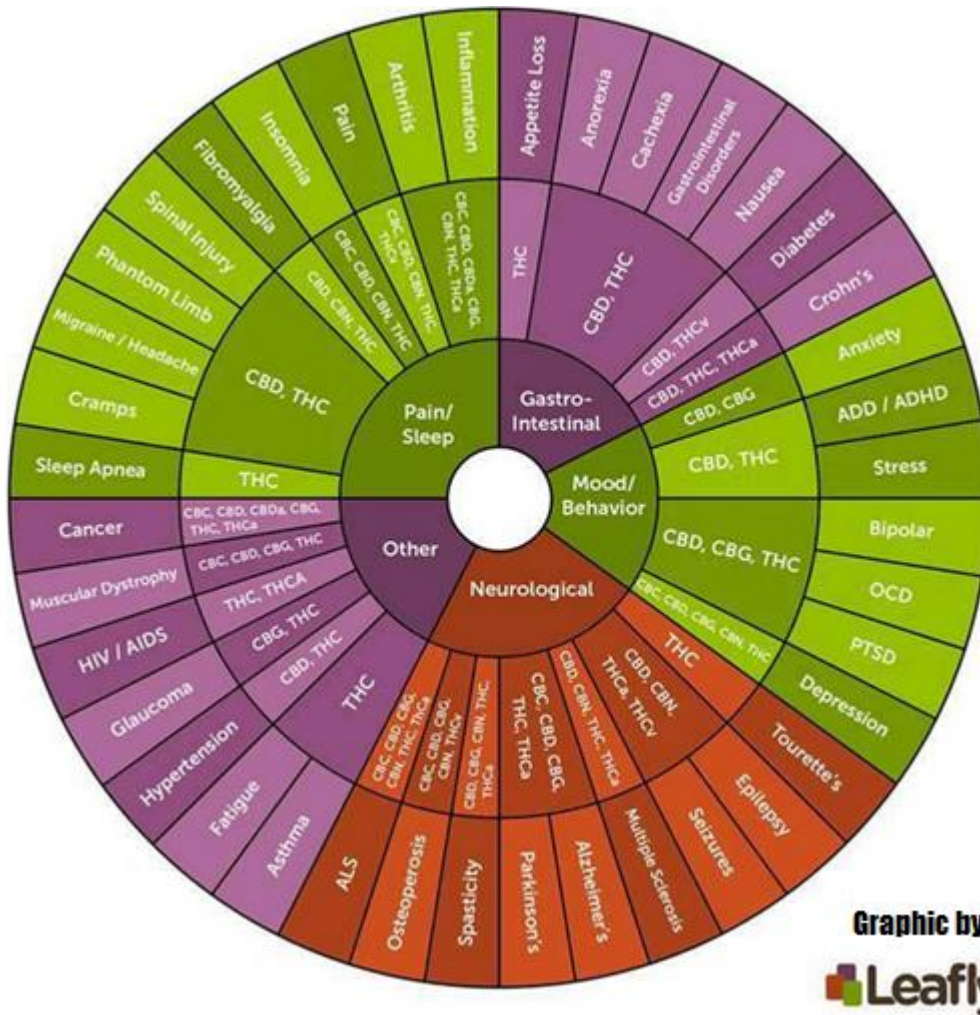


The Comprehensive Report on the Cannabis Extract Movement and the Use of Cannabis Extracts to Treat Diseases



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Abstract

This report aims to be a comprehensive analysis of the cannabis extract movement, a collection of patients, caregivers, doctors, dispensaries, corporations, and activists that advocate for the use of cannabis extract medicine to treat serious diseases such as cancers, heart disease, diabetes, rheumatoid arthritis, epilepsy, multiple sclerosis, Crohn's, and other disorders. In aggregate, the movement has produced immense evidence showing cannabis extracts can potentially eliminate various types of cancers in humans, and can control diseases that traditional pharmaceuticals are ineffective against.

The ultimate goal of this report is simple – to initiate immediate trials of cannabis extract medicine in hospice centers. Patients in such centers have terminal diagnoses and nothing to lose by attempting a treatment which has a very real chance of curing them. Moreover, cannabis extracts are completely non-toxic and carry no physiological risks. If proven through hospice trials that cannabis extracts can reliably eliminate cancers, more extensive clinical trials can begin to determine optimum treatment protocols and the full extent of cannabinoid medicine's effectiveness.

This report integrates the latest scientific research and experiential results to make a compelling case that cannabis extracts are effective treatments for a wide variety of diseases. The strength of the arguments, when analyzed as a whole, is overwhelming. The report progresses as follows:

- 1. Overview of Supporting Science**
- 2. History of Rick Simpson and Phoenix Tears**
- 3. Individual Case Reports**
- 4. Corporations and Dispensaries**
- 5. Doctors and Caregivers**
- 6. Concluding Discussion**

1. Overview of Supporting Science

There is an immense body of scientific evidence demonstrating that cannabinoids are effective against virtually any disease, including some clinical trials. Most studies focus on the effects of individual cannabinoids in cellular and animal models. These studies alone do not prove effectiveness in humans. In many instances where new medical compounds are tested, cellular and animal results do not translate to humans because of complex physiological differences. However, every compound that works for humans starts by working in simpler models. Furthermore, it has been unequivocally proven that some cell-level effects of cannabinoids do extend to humans, bolstering their use for serious diseases.

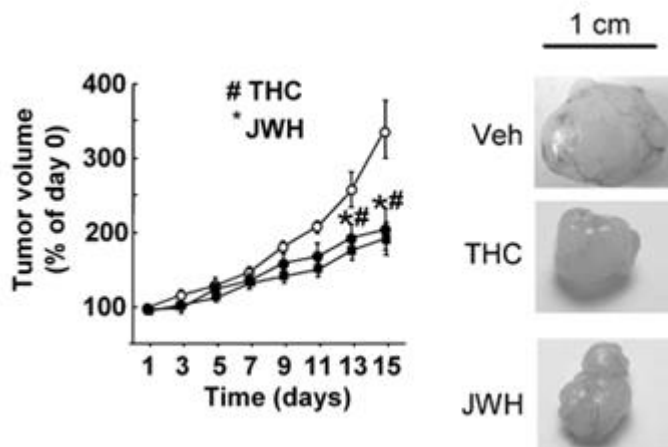
Decades of research have explored the therapeutic potential of cannabinoids and the cellular mechanisms by which they affect various cancers and diseases. Delta-9 tetrahydrocannabinol (THC) is the most prominent cannabinoid in cannabis, and is responsible for the plant's psychoactive effect. There are at least sixty other cannabinoids, including cannabidiol (CBD), cannabinol (CBN), cannabigerol (CBG), cannabichromene (CBC), cannabigevarin (CBGV), tetrahydrocannabivarin (THCV), cannabicyclol (CBL), and cannabielsoin (CBE). Most of these are non-psychoactive, and can even reduce the psychoactivity of THC. In their natural state, most are present in their acidic forms. For example, in the unheated cannabis plant, THC is known as tetrahydrocannabinolic acid (THCA), which is also non-psychoactive. When cannabis is dried or heated, these acidic compounds undergo decarboxylation; the removal of a carboxyl group from the molecule. Acidic cannabinoids have different properties than their decarboxylated counterparts, but both types possess medicinal properties. The vast majority of the studies discussed here explore decarboxylated cannabinoids. The role of terpenoids and flavonoids, some of the non-cannabinoid compounds in cannabis, will also be reviewed.

One of the first positive studies was carried out at the Medical College of Virginia in 1974. The study, while intended to prove that cannabis use damages the immune system, found that THC slowed Lewis lung adenocarcinoma and leukemia growth in a dose-dependent relationship (<http://www.ncbi.nlm.nih.gov/pubmed/1159836>). A 2005 study further demonstrated that THC can induce apoptosis (programmed cell death) in three types of leukemia cells - acute lymphoblastic leukemia, acute promyelocytic leukemia, and erythroleukemia cells (<http://www.ncbi.nlm.nih.gov/pubmed/15454482>).

The effect of THC on brain cancer is well documented by Dr. Manuel Guzmán and his team of researchers in Spain. In 1998, they published a study documenting THC's ability to induce apoptosis in glioma cells (<http://www.ncbi.nlm.nih.gov/pubmed/9771884>). In 2005, Dr. Guzmán's team identified that THC and synthetic cannabinoids could decrease production of vascular endothelial growth factor (VEGF) and mitigate activation of the related receptor VEGFR-2, helping to prevent angiogenesis (the formation of blood vessels to tumors) (<http://www.ncbi.nlm.nih.gov/pubmed/15313899>). Through this mechanism, cultured glioma cells and mouse gliomas were reduced. In 2008, the team found glioma cell invasion is inhibited by THC through the down-regulation of matrix metalloproteinase-2 (MMP-2) (<http://www.ncbi.nlm.nih.gov/pubmed/18339876>). In the previous two studies, researchers locally

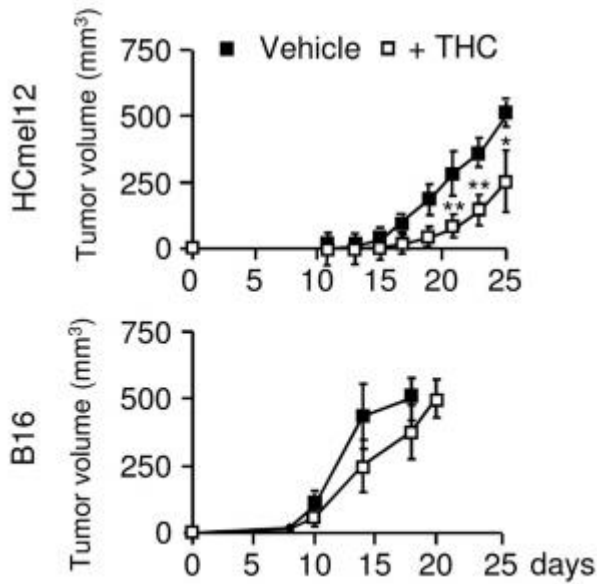
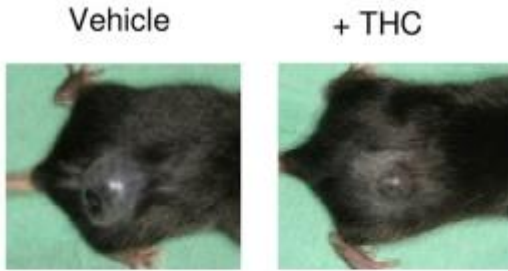
administered THC to two human patients, and found that THC decreased VEGF and MMP-2 levels in both patients

Other cancers have been examined by Dr. Guzmán. A 2003 study showed activation of cannabinoid receptors was associated with apoptosis of skin cancer cells, while healthy cells remained unaffected (<http://www.jci.org/articles/view/16116>). A 2006 study on pancreatic cancer demonstrated THC induced apoptosis in four pancreatic cancer cell lines and reduced tumor growth in two animal models (<http://cancerres.aacrjournals.org/content/66/13/6748.full>). It also found that some cancer cells express higher levels of cannabinoid receptors than healthy cells. In this case, the role of the CB2 receptor was critical, as blocking the receptor prevented THC-induced apoptosis; blocking the synthesis of ceramide, a proapoptotic compound, also prevented apoptotic effects. Below are results from the *in vivo* model.

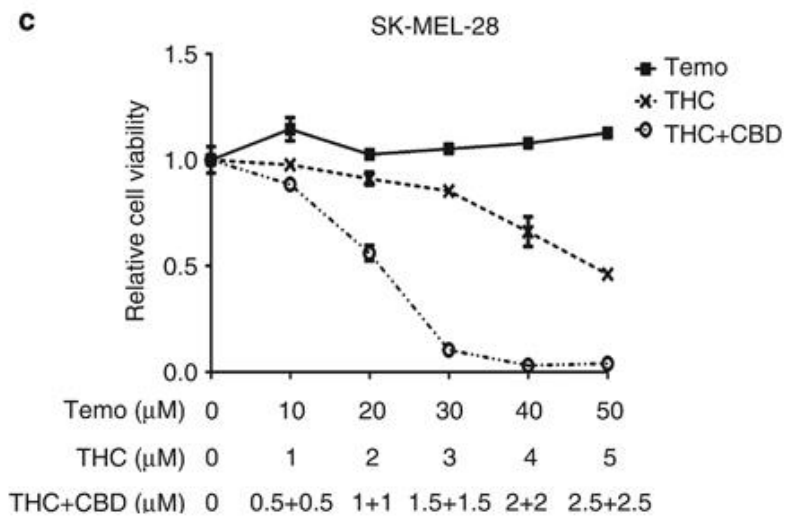
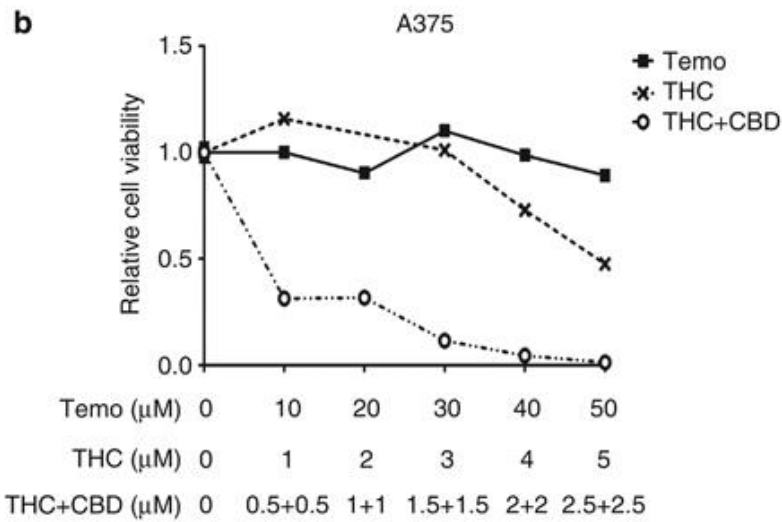
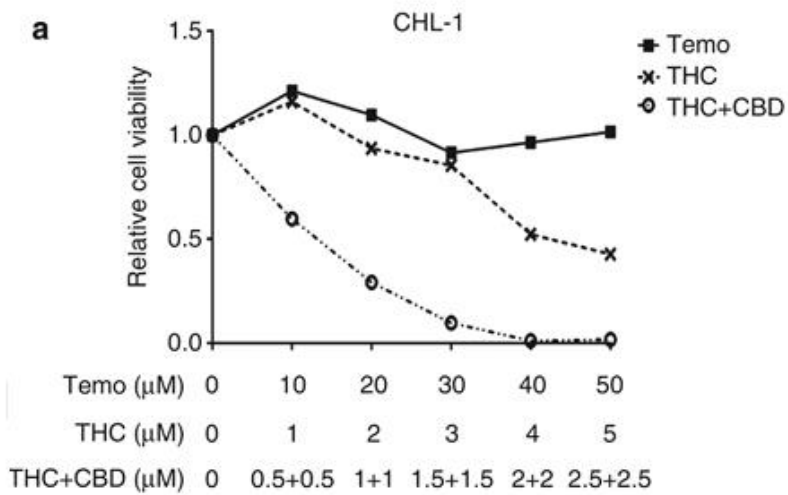


THC is effective against lung cancer both *in vitro* and *in vivo*. A 2007 Harvard study showed that THC inhibited and induced apoptosis in non-small cell lung cancer cell lines and that THC-treated, cancerous mice had 50% reductions in tumor weight and volume, and 60% reductions in macroscopic lesions (<http://www.nature.com/onc/journal/v27/n3/full/1210641a.html>). A later April 2012 study found that CBD also had an anti-metastatic effect on one of the same lung cancer cell lines, A549, as well as the lines H358 and H460 (<http://www.ncbi.nlm.nih.gov/pubmed/22198381>). CBD is also able to induce apoptosis in A549 and H460 cells (<http://www.ncbi.nlm.nih.gov/pubmed/23220503>).

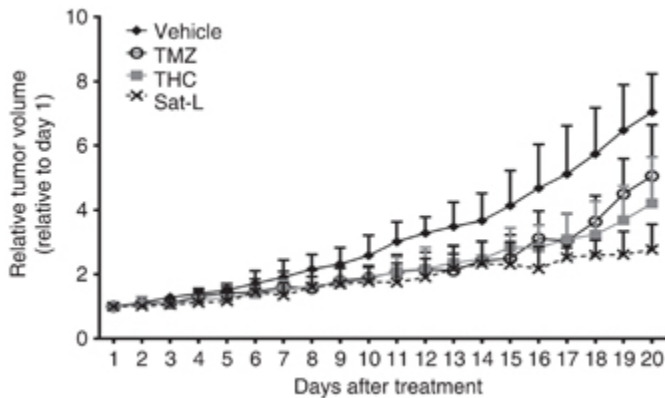
Both THC and CBD are also effective against skin cancer. An October 2015 study in *Life Sciences* used THC to reduce melanoma tumors in mice, shrinking the cancers by 50% (<http://www.ncbi.nlm.nih.gov/pubmed/25921771>). THC worked via the immune system, mitigating the pro-inflammatory microenvironment of the cancer cells.



A June 2015 study in the *Journal of Investigative Dermatology* illuminated the power of THC and CBD's synergistic actions against melanoma (<http://www.ncbi.nlm.nih.gov/pubmed/25674907>). First, THC was shown to activate autophagy and induce apoptosis in BRAF wild-type (CHL-1) and mutated (A375 and SK-MEL-28) melanoma cell lines. Using very small doses of THC and CBD together resulted in substantial loss of viability in CHL-1, A375, and SK-MEL-28 cells. THC alone was somewhat effective; temozolomide, a standard single-agent treatment for metastatic melanoma, had little effect.

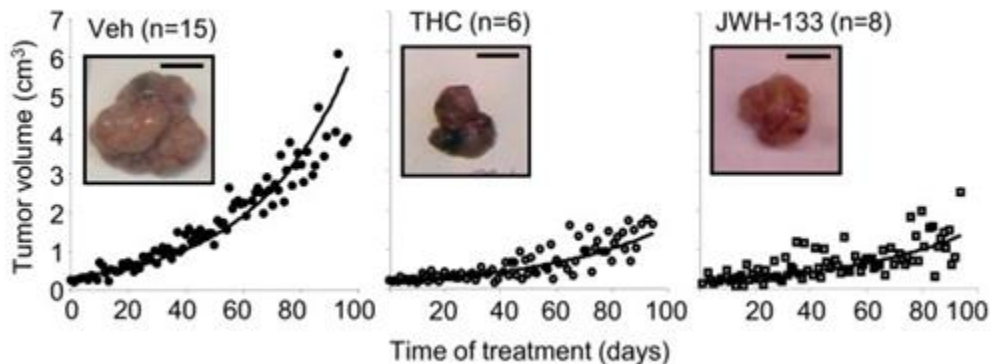


Researchers also assessed the *in vivo* anticancer action of cannabinoids with a mouse CHL-1 xenograft tumor model. THC and the THC+CBD combination reduced tumor cell proliferation and increased autophagy and apoptosis compared to control or temozolomide conditions. The authors concluded, "Collectively, these data suggest that THC and Sativex-L [THC+CBD] are more effective than temozolomide in terms of apoptosis induction and antitumor response, further validating the therapeutic relevance of cannabinoid treatment for melanoma."

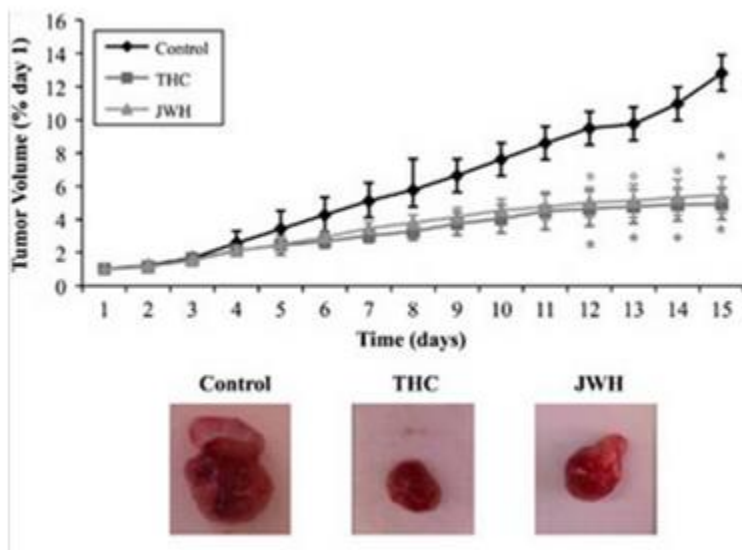


A September 1999 study found that THC could induce apoptosis in the prostate cancer cell line PC3, and these effects occurred independently of cannabinoid receptors (<http://www.ncbi.nlm.nih.gov/pubmed/10570948>). Additionally, a summarizing study on the endocannabinoid system and prostate cancer discussed the potential role of the system in maintaining prostate homeostasis, as well as the ability of several cannabinoids to reduce prostate cancer cell proliferation and migration (<http://www.ncbi.nlm.nih.gov/pubmed/21912423>).

Cholangiocarcinoma, an especially rare cancer, can be substantially reduced with THC (<http://www.ncbi.nlm.nih.gov/pubmed/19916793>). At low concentrations, THC inhibited cancer cell proliferation, migration, and invasion. At high concentrations, it directly induced apoptosis. Another rare cancer, ErbB2-positive breast cancer, was shown to respond to THC and a synthetic cannabinoid in a July 2010 *Molecular Cancer* study (<http://www.molecular-cancer.com/content/9/1/196>). Both cannabinoids inhibited cancer cell proliferation and impaired angiogenesis, as well as induced apoptosis. They also worked *in vivo* against tumor growth.



A July 2011 *Cell Death and Differentiation* article also tested THC and a synthetic cannabinoid, finding they both reduced the viability and induced apoptosis in two hepatocellular (liver) carcinoma cell lines through CB2 activation (<http://www.ncbi.nlm.nih.gov/pubmed/21475304>). An *in vivo* model confirmed the cell-level effects extended to animals.



THC was found to be a potent inhibitor of oral cancer cell respiration in a 2010 *Pharmacology* study, which concluded it was toxic to the highly malignant Tu183 cell line and effects were concentration-dependent (<http://www.ncbi.nlm.nih.gov/pubmed/20516734>).

Research has shown that cannabinoids exert positive benefits at the genetic level. A study by Dr. Sean McAllister in November 2007 showed that CBD could down-regulate Id-1 gene expression in aggressive breast cancer cells, limiting their metastatic potential (<http://mct.aacrjournals.org/content/6/11/2921.long>). A further study in August 2011 clarified the pathways by which Id-1 expression was inhibited (<http://www.ncbi.nlm.nih.gov/pubmed/20859676>). A September 2004 study from the Department of Medical Oncology in London showed that THC was a potent inducer of apoptosis in multiple leukemic cell lines at least partially through changing gene expression levels (<http://bloodjournal.hematologylibrary.org/content/105/3/1214.full>).

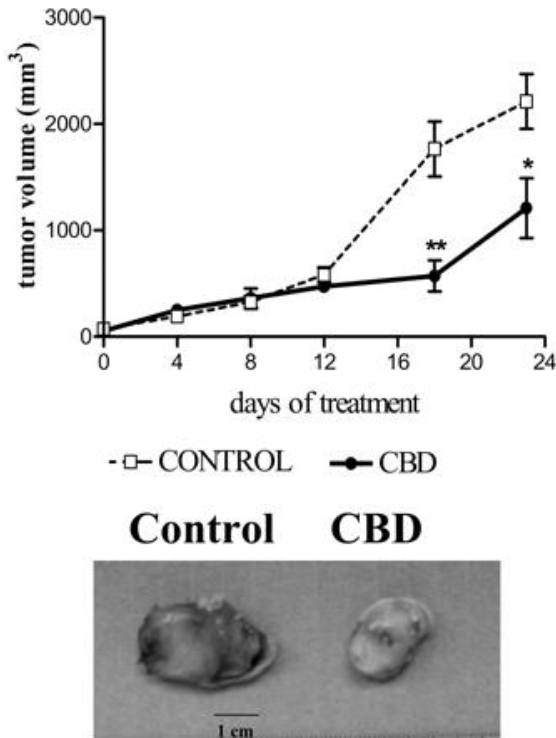
A 2012 study in the *British Journal of Pharmacology* showed CBD inhibited angiogenesis of several tumors through multiple mechanisms (<http://www.ncbi.nlm.nih.gov/pubmed/22624859>). Another study in the same journal published January 2013 showed CBD significantly inhibited cell viability in several types of prostate cancer and induced apoptosis through intrinsic apoptotic pathways (<http://www.ncbi.nlm.nih.gov/pubmed/22594963>). The study also showed that several other pure cannabinoids and cannabis extracts were effective against prostate cancer, with the full-spectrum extracts generally being stronger. Anti-cancer strength is measured with the IC50 value, which in this case is the concentration required to reduce cell viability by 50% compared to a control. A lower IC50 value indicates greater potency. In cases where 50% inhibition was not reached, the inhibition reached at maximum concentration tested is put in parentheses. As shown, THCV, THCVA, and CBDV all have anti-cancer properties, although they are relatively weaker than other cannabinoids.

Pure compound	IC ₅₀ (μM) on cell viability [A]	BDS	IC ₅₀ (μM) on cell viability [A]
CBD	25.3 ± 8	CBD BDS	9.0 ± 4
CBC	>25 (40.7%)	CBC BDS	9.2 ± 3
CBG	>25 (17.3%)	CBG BDS	10.4 ± 5
CBDV	21.0 ± 4	CBDV BDS	17.1 ± 7
THCV	>25 (38.6%)	THCV BDS	>25 (41.0%)
THCVA	>25 (25.6%)	THCVA	>25 (30.9%)
		BDS	
THCA	>25 (21.9%)	THCA BDS	18.9 ± 2
CBDA	>25 (11.2%)	CBDA BDS	>25 (27.8%)
CBGA	>25 (7.7%)	CBGA BDS	19.2 ± 2
CBGV	>25 (11.3%)	CBGV BDS	>25 (21.9%)
CBN	>25 (17.2%)	–	–
THC	>25 (6.6%)	–	–

A 2005 study demonstrated CBD inhibits glioma cell migration through a receptor-independent mechanism (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1576089>). A 2010 study showed that CBD enhances the inhibitory effects of THC on glioblastoma cell proliferation and survival (<http://www.ncbi.nlm.nih.gov/pubmed/20053780>). As with the above chart, this article indicates the importance and relevance of synergy between cannabinoids.

An October 2013 study found that CBD inhibited cell proliferation of the U87-MG and T98G glioma cell lines and decreased expression of proteins associated with growth, invasion, and angiogenesis (<http://www.ncbi.nlm.nih.gov/pubmed/24204703>). CBD is particularly effective against gliomas due to its ability to target glioma stem-like cells (GSCs). These poorly differentiated cells are highly resistant to radiation and chemotherapy. An October 2015 study published in the *International Journal of Cancer* showed how CBD promotes the differentiation of GSCs and inhibits their proliferation (<http://www.ncbi.nlm.nih.gov/pubmed/25903924>). By promoting differentiation, CBD abrogated the resistance of these cells to chemotherapy and inhibited cell viability directly.

CBD can also directly kill glioma cells. A November 2003 study in *JPET* illuminated how CBD induced apoptosis in the human glioma cell lines U87 and U373 (<http://www.ncbi.nlm.nih.gov/pubmed/14617682>). Researchers found that adding CBD to cultures dramatically reduced mitochondrial oxidative metabolism and cell viability in a concentration-dependent manner. The study also implanted U87 glioma cells in mice, and treatment with only 0.5mg of CBD per mouse significantly inhibited the glioma's growth.



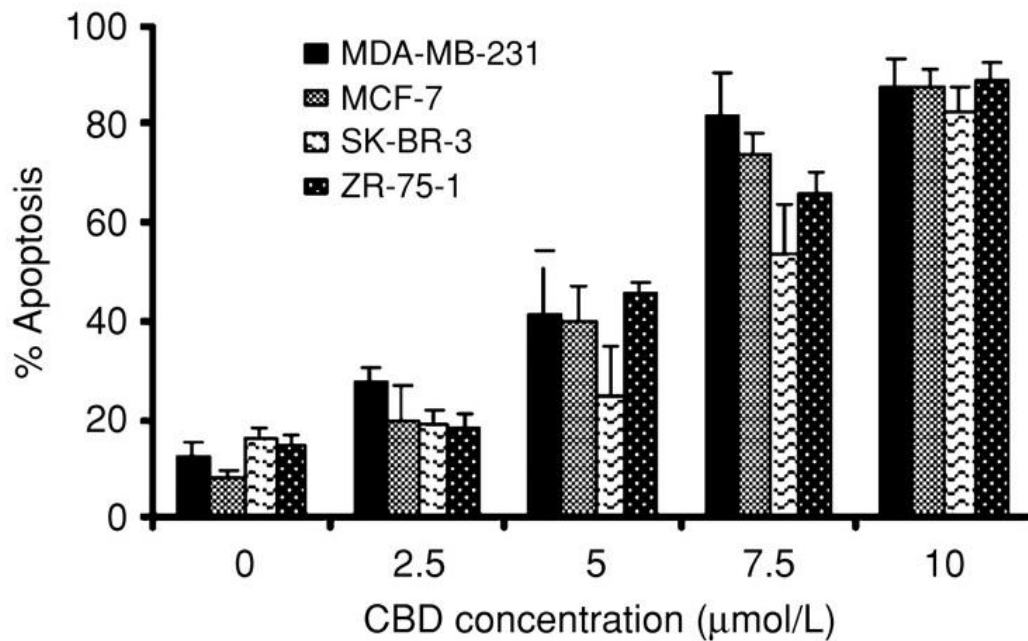
A November 2013 study in *International Journal of Cancer* tested the effects of CBD alone and in combination with a chemotherapeutic agent against multiple myeloma (<http://www.ncbi.nlm.nih.gov/pubmed/24293211>). CBD worked by itself or in synergy with bortezomib to strongly inhibit growth, arrest cell cycle progression, and induce cell death in multiple myeloma cells.

A 2010 study by German researchers from the University of Rostock demonstrated the ability of CBD to inhibit invasion of cervical cancer cells as well as inhibit viability (<http://www.ncbi.nlm.nih.gov/pubmed/19914218>). The study also showed that CBD inhibited the metastasis of lung cancer cells.

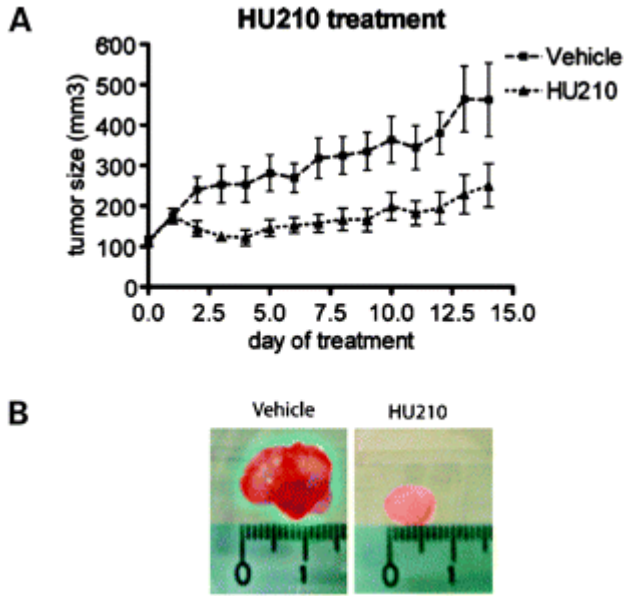
Kaposi's sarcoma is a cancer characterized by the growth of abnormal tissue under the skin or in the lining of the mouse, nose, or throat; it usually affects in HIV/AIDS patients due to their weakened immune systems. It is caused by Kaposi sarcoma-associated herpesvirus (KSHV). A study in *Genes & Cancer* published in 2012 proved that CBD can inhibit proliferation and induce apoptosis in cells infected with KSHV (<http://www.ncbi.nlm.nih.gov/pubmed/23264851>).

A 2010 study in *Urology* showed that CBD induced apoptosis occurred via the regulation of calcium influx through the TRPV2 channel protein, a trans-membrane channel in human T24 bladder cancer cells (<http://www.ncbi.nlm.nih.gov/pubmed/20546877>). CBD can also induce apoptosis and reduce viability in human leukemia cells through interactions with intrinsic and extrinsic apoptotic pathways (<http://molpharm.aspetjournals.org/content/70/3/897.full>).

A 2011 *Molecular Cancer Therapeutics* article showed CBD induced breast cancer cell death through receptor-independent mechanisms (<http://www.ncbi.nlm.nih.gov/pubmed/21566064>). CBD worked against both estrogen receptor-positive and estrogen receptor-negative cells, with increasing efficacy at higher concentrations.



The November 2011 issue of *Anticancer Research* featured an article about CBD and the synthetic cannabinoid WIN-55,212-2's abilities to induce apoptosis in prostate and colon cancer cells through the modulation of complex cell signaling (<http://www.ncbi.nlm.nih.gov/pubmed/22110202>). WIN-55,212-2 can also induce apoptosis in chemotherapy-resistant stomach cancer via activating cannabinoid receptors (<http://www.ncbi.nlm.nih.gov/pubmed/23749906>). Another synthetic cannabinoid, HU-210, has been shown to be very effective against an aggressive rhabdomyosarcoma subtype (<http://www.ncbi.nlm.nih.gov/pubmed/19509271>). Via activating CB1 receptors, induction of apoptosis was achieved. THC was also effective at reducing cell viability and inducing apoptosis. The study demonstrated CB1 receptors were upregulated in cancerous tissue. An *in vivo* experiment with HU-210 showed marked results.



A July 2014 study in *Biochemical Pharmacology* demonstrated a remarkable method by which cannabinoids work with the body's immune system to kill lung cancer cells (<http://www.ncbi.nlm.nih.gov/pubmed/25069049>). CBD, THC, and an endocannabinoid were shown to upregulate ICAM-1, an adhesion molecule, on A549 and H460 lung cancer cell lines. This increased susceptibility of the cancer cells to adhere to LAK cells, a type of white blood cell that breaks down tumors. After adhesion, the white blood cells destroy the cancer via lysis.

Although THC and CBD have received the bulk of attention when it comes to research, other cannabinoids also possess anti-cancer effects. A September 2006 article analyzed the effects of several cannabinoids on two human breast carcinoma cell lines, MCF-7 and MDA-MB-231. CBD was found to be the most potent inhibitor of cancer cell growth; THC, CBG, CBC, THCA, CBDA, THC-rich and CBD-rich extracts were found to be effective as well (<http://jpet.aspetjournals.org/content/318/3/1375.full>). All cannabinoids and both extracts were also found to inhibit growth of prostate (DU-145), colorectal (CaCo-2), gastric adenocarcinoma (AGS), glioma (C6), thyroid (KiMol), and leukemic cancer cells (RBL-2H3). The following chart illustrates the relative strengths of each cannabinoid against each cell line, as measured with IC50 values (the concentration required to reduce growth by 50% as compared to a control). As explained earlier, lower concentrations indicate greater potency, as it requires less of the cannabinoid to reduce growth by 50%. As mentioned, CBD was the most potent anti-cancer compound, with CBG being generally the second most potent and CBC generally the third most potent (there are some exceptions).

	MCF-7	C ₆	DU-145	KiMol	CaCo-2	MDA-MB-231	RBL-2H3	AGS
Δ^9 -THC	14.2 ± 2.1	23.0 ± 4.2	>25	23.2 ± 1.5	16.5 ± 0.2	24.3 ± 4.2	15.8 ± 3.7	19.3 ± 1.5
THC-A	9.8 ± 0.4	18.0 ± 5.3	>25	21.0 ± 2.7	21.5 ± 1.4	18.2 ± 5.3	10.0 ± 3.4	>25
CBD	8.2 ± 0.3	8.5 ± 0.8	20.2 ± 1.8	6.0 ± 3.0	7.5 ± 0.5	10.6 ± 1.8	6.3 ± 1.5	7.5 ± 1.3
CBD-A	21.7 ± 3.2	18.0 ± 4.2	>25	12.7 ± 3.0	>25	>25	>25	>25
CBG	9.8 ± 3.4	13.0 ± 2.1	21.3 ± 1.7	8.2 ± 0.7	9.0 ± 1.4	16.2 ± 2.1	9.0 ± 0.7	8.2 ± 0.7
CBC	14.2 ± 1.4	13.0 ± 2.6	>25	7.3 ± 3.0	12.0 ± 2.4	20.4 ± 2.6	15.8 ± 4.2	18.3 ± 3.0
THC-rich	21.0 ± 0.5	18.5 ± 3.3	>25	23.0 ± 2.0	16.0 ± 0.5	25.2 ± 3.3	14.6 ± 3.1	22.0 ± 2.0
CBD-rich	6.0 ± 1.0	4.7 ± 0.6	20 ± 4.6	6.2 ± 2.9	12.3 ± 1.2	14.1 ± 1.6	7.0 ± 0.6	10.0 ± 1.9

An October 2013 article in *Anticancer Research* found that six cannabinoids, including CBD, CBG, CBGV, and their acidic forms, could independently inhibit the proliferation of leukemia cells (<http://www.ncbi.nlm.nih.gov/pubmed/24123005>). However, when the cannabinoids were combined, the anticancer effect was even greater, indicating a synergistic effect.

Endocannabinoids, the cannabinoid-like molecules produced within the body, have apoptosis-inducing effects as well. A February 2006 study in *Experimental Cell Research* found that an analogue of the endogenous cannabinoid anandamide inhibited the adhesion and migration of breast cancer cells, and that the endocannabinoid system regulates such cancer cell proliferation (<http://www.ncbi.nlm.nih.gov/pubmed/16343481>). A June 2003 study in *Prostate* showed anandamide induced apoptosis in multiple prostate cancer cell lines, including the PC3 line, which has proven susceptible to THC as well (<http://www.ncbi.nlm.nih.gov/pubmed/12746841>). Even metastatic growth was inhibited. Additionally, the ceramide pathway of apoptosis was bolstered further, with the study concluding the cytotoxic actions of anandamide may occur via intracellular ceramide production. In a January 2008 study, increased endocannabinoid levels were shown to reduce the development of precancerous colon lesions in mice (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2755791>). Anandamide can also cause cell death in apoptosis-resistant colorectal cancer cells, as demonstrated in a 2010 study in the *International Journal of Oncology* (<http://www.ncbi.nlm.nih.gov/pubmed/20514410>).

An October 2011 study demonstrated that anandamide and two related compounds could reduce the viability of mice neuroblastoma cells (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3203169>). Prior to this, a 2000 study in *The Journal of*

Biological Chemistry showed that anandamide induced apoptosis in human neuroblastoma and lymphoma cells (<http://www.jbc.org/content/275/41/31938.full>). A July 2009 study in *The Journal of Surgical Research* showed that anandamide induced apoptosis in stomach cancer cells and synergistically enhanced the cancer-killing effects of the chemotherapeutic agent paclitaxel (<http://www.ncbi.nlm.nih.gov/pubmed/19394652>). A May 2014 study in *Head & Neck* showed anandamide, but not 2-AG, inhibited proliferation of head and neck squamous cell carcinoma cells by increasing reactive oxygen species through a receptor-independent mechanism.

Cannabinoid receptors in general were implicated in improving disease-free survival of liver cancer patients. A November 2006 study found that disease-free survival was much better in patients with high expression levels of CB1 and CB2 receptors than those with low-level expression (<http://www.ncbi.nlm.nih.gov/pubmed/17074588>). In 2005, a Swedish research team found that activating cannabinoid receptors with synthetic cannabinoids and endocannabinoids could decrease the viability of mantle cell lymphoma (<http://www.ncbi.nlm.nih.gov/pubmed/16337199>). An article in 2010 by a Chinese research team discussed the effects of cannabinoid receptor activation on hepatoma cells, and found activation induced apoptosis and inhibited proliferation (<http://www.ncbi.nlm.nih.gov/pubmed/20368112>).

An excellent study summarizing the anti-cancer effects of both cannabinoids and endocannabinoids was published January 2013 issue of *Progress in Lipid Research* (<http://www.ncbi.nlm.nih.gov/pubmed/23103355>). The abstract states, "Many disease-ameliorating effects of cannabinoids-endocannabinoids are receptor mediated, but many are not, indicating non-CBR signaling pathways. Cannabinoids-endocannabinoids are anti-inflammatory, anti-proliferative, anti-invasive, anti-metastatic and pro-apoptotic in most cancers, *in vitro* and *in vivo* in animals. They signal through p38, MAPK, JUN, PI3, AKT, ceramide, caspases, MMPs, PPARs, VEGF, NF- κ B, p8, CHOP, TRB3 and pro-apoptotic oncogenes (p53, p21 waf1/cip1) to induce cell cycle arrest, autophagy, apoptosis and tumour inhibition." Also mentioned is the fact some studies suggest cannabinoids can be anti-apoptotic and pro-proliferative in some cancers. There very well could be cases, especially in cell cultures outside organisms with functioning endocannabinoid systems, where an isolated cannabinoid may demonstrate these effects. However, such studies are overwhelmingly outnumbered by others demonstrating anti-cancer properties, and the above paper even concludes by stating clinical trials are "urgently required" to determine the full potential of cannabinoid cancer therapy. Furthermore, pro-proliferative effects usually occur with nanomolar concentrations of cannabinoids, while anti-proliferative effects begin to occur at the micromolar concentration level (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2241751>). Cannabinoid treatment utilizes concentrations at the higher end, and even low-dose cannabis extracts are well above nanomolar concentrations.

The most powerful scientific evidence demonstrating anticancer effects of cannabis extracts in humans is a November 2013 article in *Case Reports in Oncology* (<http://ncbi.nlm.nih.gov/pmc/articles/PMC3901602>). The article described the case of a 14-year old female with terminal acute lymphoblastic leukemia with a Philadelphia chromosome mutation. This form of leukemia is much more aggressive than other types. 34 months of chemotherapy and radiation failed to stop the cancer, and the patient was placed in palliative home care. The family decided to use cannabis oil as a last resort after conducting research indicating potential effectiveness.

The first dose of extract was given on February 21st, 2009. Prior to this, from February 4th to the 20th, the patient's leukemic blast cell count rose from 51,490 to 194,000. Even after beginning the oil, the count continued to rise, peaking at 374,000 on February 25th. However, there was subsequently a sharp decrease in blast count, which correlated with an increase in dose. By Day 39, the blast count had decreased to 300. The total treatment lasted 78 days, at which point the leukemic blast cells were almost completely gone. Unfortunately, the patient passed away due to a bowel perforation, which apparently was caused by the side effects of the prior intense chemotherapy regiment. The study concluded,

“The results shown here cannot be attributed to the phenomenon of ‘spontaneous remission’ because a dose response curve was achieved. Three factors, namely frequency of dosing, amount given (therapeutic dosing) and the potency of the cannabis strains, were critical in determining response and disease control. By viewing figure 6, it can be seen that introducing strains that were less potent, dosing at intervals >8 h and suboptimal therapeutic dosing consistently showed increases in the leukemic blast cell count. It could not be determined which cannabinoid profiles constituted a ‘potent’ cannabis strain because the resin was not analyzed. Research is needed to determine the profile and ratios of cannabinoids within the strains that exhibit antileukemic properties.

These results cannot be explained by any other therapies, as the child was under palliative care and was solely on cannabinoid treatment when the response was documented by the SickKids Hospital. The toxicology reports ruled out chemotherapeutic agents, and only showed her to be positive for THC (tetrahydrocannabinol) when she had ‘a recent massive decrease of WBC from 350,000 to 0.3’ inducing tumor lysis syndrome, as reported by the primary hematologist/oncologist at the SickKids Hospital.

This therapy has to be viewed as polytherapy, as many cannabinoids within the resinous extract have demonstrated targeted, antiproliferative, proapoptotic and antiangiogenic properties. This also needs to be explored further, as there is potential that cannabinoids might show selectivity when attacking cancer cells, thereby reducing the widespread cytotoxic effects of conventional chemotherapeutic agents. It must be noted that where our most advanced chemotherapeutic agents had failed to control the blast counts and had devastating side effects that ultimately resulted in the death of the patient, the cannabinoid therapy had no toxic side effects and only psychosomatic properties, with an increase in the patient's vitality.”

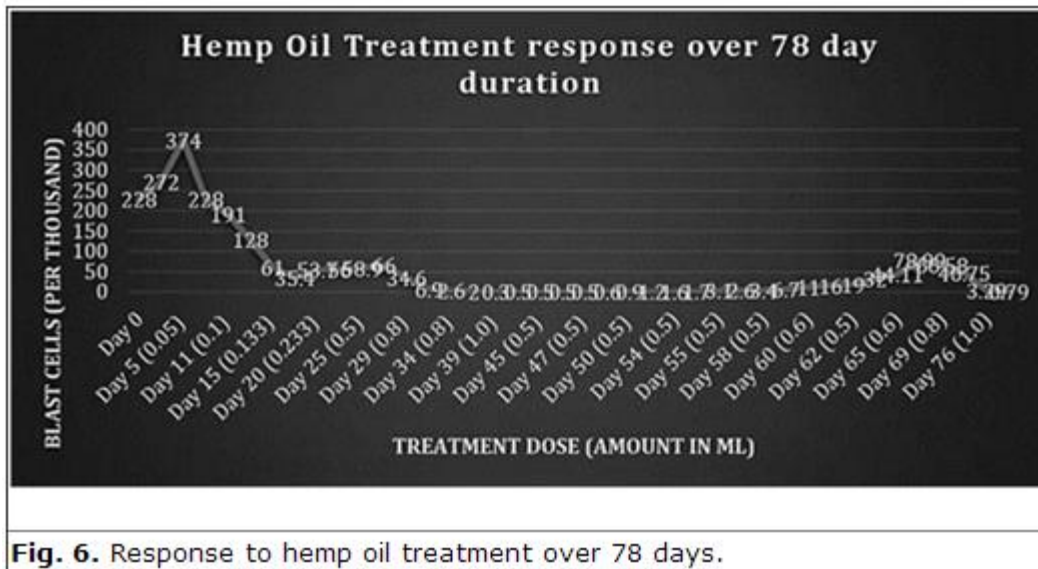


Fig. 6. Response to hemp oil treatment over 78 days.

(Note: Hemp Oil refers to THC-rich cannabis-derived extract, not hemp seed oil)

A January 2016 article in *BMC Cancer* offered additional evidence of THC's effectiveness against leukemia and referred to the above case (<http://www.ncbi.nlm.nih.gov/pubmed/26775260>). German researchers with the University Hospital Tübingen showed that THC induced apoptosis and inhibited proliferation in leukemia cells. They also offered insight into the potential anticancer effects of dronabinol, a synthetic form of THC, in a human patient. The abstract includes, "We have anecdotal evidence that THC may have contributed to disease control in a patient with acute undifferentiated leukemia." Researchers extracted plasma from the patient's blood and tested it on leukemia cells, and found the cells underwent apoptosis. While this is not direct proof that dronabinol exerted an anticancer effect in the patient, it is a potentially important observation. Furthermore, the authors tested THC on several types of leukemia and determined which types were most susceptible to THC. They stated,

"In this context, a case report of a 14 year old girl with refractory BCR-ABL1 (Ph+) ALL was recently published [the above-mentioned *Case Reports in Oncology* study] demonstrating dramatic blast reduction in an individual therapy approach using escalating doses of a cannabis extract. It is remarkable, that the selected case fits into the defined responder cohort of our study." Further research from the University Hospital Tübingen will hopefully shed more light into how THC fights leukemia.

The National Cancer Institute has acknowledged the preclinical evidence showing the anticancer properties of cannabinoids, and explores them at the following link:

<http://www.cancer.gov/cancertopics/pdq/cam/cannabis/healthprofessional/page4>.

Before moving on to studies regarding other serious diseases, it is important to examine the endocannabinoid system (ECS). As has been suggested through the cancer-related studies alone, the importance of the ECS is critical. It consists of a network of cannabinoid receptors and endocannabinoids, found throughout the entire body. Phytocannabinoids (derived from cannabis), endocannabinoids, and synthetic cannabinoids can induce apoptosis in cancer cells through numerous mechanisms. The fact that some cancer cells express higher levels of cannabinoid receptors than normal

cells is remarkably intriguing in light of endocannabinoid anticancer properties. Even without phytocannabinoids, the body has an excellent defense system against abnormal cells. When cells become malignant, they develop more cannabinoid receptors and become more susceptible to endocannabinoids, thus enabling their efficient disposal. However, it appears that due to nutritional and environmental factors, the capabilities of endocannabinoids are often not enough, and phytocannabinoid supplementation is necessary to restore balance.

Several studies have pointed to the homeostatic-maintenance properties of the ECS. Homeostasis is the resting condition of health of an organism, including but not limited to factors such as hydration, energy, temperature, and maintenance of proper enzyme, hormone, and neurotransmitter levels. Maintaining homeostasis is of paramount importance, for if it is too strongly impaired, an organism will die. Research is beginning to indicate that the ECS is *the* primary regulator of homeostasis in the body. If this is the case, then the astounding medicinal properties of phytocannabinoids become much more understandable. All disease ultimately stems from an imbalance of some kind. Although this statement is an immense simplification of the complex origins and mechanisms of various diseases, it still accurately describes the fundamental nature of disease – imbalance, irregularity, abnormality. Theoretically, phytocannabinoids functioning within the ECS could restore homeostatic balance and thus eliminate bodily disease. Given the fact that in practice humans are using concentrated phytocannabinoids to successfully treat a multitude of diseases, these high-level theories on the ECS must be given more weight. As additional research is conducted, the exact mechanisms by which cannabinoids heal individual diseases and maintain organism-wide homeostasis will doubtless be revealed.

Dr. Robert Melamede, former CEO and President of Cannabis Science and Associate Professor at University of Colorado Colorado Springs, has pioneered significant research on the ECS. Dr. Melamede's paper on endocannabinoids as global homeostatic regulators discusses the remarkably diverse methods of ECS function (<http://necsi.edu/events/iccs6/viewpaper.php?id=70>). Other research has confirmed the regulatory properties of the ECS. A January 2005 study discussed how the ECS appeared early in evolution and modulates critical functions like the autonomic nervous system, immune system and microcirculation in all vertebrates (<http://alcalc.oxfordjournals.org/content/40/1/2.short>). A 2006 study in *International Journal of Obesity* spoke of the ECS as a regulator of energy homeostasis, participating in functions like fat metabolism and appetite (<http://www.nature.com/ijo/journal/v30/n1s/full/0803276a.html>).

A June 2010 study in *Pharmacology Biochemistry and Behavior* elaborated on very intriguing ideas, including the role of the ECS in regulating various aspects of embryological development and homeostasis (<http://www.sciencedirect.com/science/article/pii/S0091305710000924>). The study primarily suggested that there were aspects of the ECS which became dysfunctional in obese people. Since CB1 receptors were known to be involved in appetite, CB1 antagonist drugs were developed to block the activation of the receptors and thus decrease appetite. While this was partially effective, numerous side effects occurred and the use of such antagonists was discontinued. Given the widespread function of cannabinoid receptors beyond appetite, the very poor results of CB1 blockade are not surprising. The study concludes by saying alternative cannabinoid-based therapies should be open for consideration. Another aspect of the endocannabinoid system's regulatory mechanisms, post-synaptic feedback, is discussed in the **Doctors and Caregivers** section.

The ubiquitous nature of the endocannabinoid system is demonstrated by the fact that it is somehow involved in a great array of diseases. Although the purpose of this report is not to examine every scientific article on cannabinoids, it is important to understand the profoundly versatile, positive, and diverse benefits of cannabinoids.

A January 2008 article in *Neuropharmacology* noted how CBD-treated, non-obese diabetes-prone female mice had only a 32% incidence of diabetes diagnosis, compared to 100% in the untreated group (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2270485>). The study also referenced an earlier work where cannabidiol lowered the incidence of diabetes in mice. A June 2007 study proposed that the ECS regulates glucose homeostasis through coordinated actions of CB1 and CB2 receptors, while also showing activation of CB2 receptors improved glucose tolerance (<http://www.sciencedirect.com/science/article/pii/S001429990700249X>). Intriguingly, the study showed activating CB2 receptors results in similar actions as blocking CB1 receptors, demonstrating the integral relationship between both receptor types.

A 2010 study in the *Journal of the American College of Cardiology*, partially authored by Dr. Raphael Mechoulam (the first to isolate THC), concluded that CBD may have great therapeutic potential for diabetes, through the attenuation of oxidative/nitrative stress, inflammation, cell death, and fibrosis (<http://www.natap.org/2010/newsUpdates/marijuana.pdf>). Benefit for cardiovascular disorders was also suggested. Another study in February 2008 concluded that cannabinoids may be an effective treatment for inflammation and fibrosis in chronic pancreatitis (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2253501>).

A 2002 study in *Bulletin of Experimental Biology and Medicine* linked the activation of cannabinoid receptors with cardioprotective effects, demonstrating that cannabinoids can prevent the death of healthy cells during a heart attack (http://www.ncbi.nlm.nih.gov/pubmed?Db=pubmed&Cmd=Retrieve&list_uids=12428278). A later March 2006 study found that the ECS, through activation of CB2 receptors, was important for protection from myocardial ischemia, a condition resulting in decreased blood flow to the heart (<http://www.ncbi.nlm.nih.gov/pubmed/16618028>).

Cannabinoids exert significant liver protective effects. A December 2003 study in *Molecular Pharmacology* showed that a synthetic cannabinoid could inhibit inflammatory liver damage in mice, partially through promoting the early expression of protective genes (<http://molpharm.aspetjournals.org/content/64/6/1334.full>). A later 2008 study in the same journal concluded that THC could inhibit hepatitis in mice by reducing liver tissue injury (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2828293>). The study also found THC suppressed inflammation and significantly increased specialized liver regulatory cells.

HIV is one of the most destructive viruses facing humanity today, and cannabis may be the solution. Patients have continuously reported that cannabis use improves symptoms, including appetite, muscle pain, nausea, anxiety, nerve pain, and depression (<http://www.ncbi.nlm.nih.gov/pubmed/15857739>). Evidence also suggests that cannabinoids can inhibit the HIV virus directly. Much insight comes from research into simian immunodeficiency virus (SIV), the primate form of HIV. An April 2010 study using Rhesus macaques found that chronic THC treatment resulted in lower plasma viral load, lower lymph node proviral DNA, and lower viral gagRNA, irrespective of disease stage (http://www.fasebj.org/cgi/content/meeting_abstract/24/1_MeetingAbstracts/752.6).

A June 2011 study in *AIDS Research and Retroviruses* confirmed many of these results, showing that chronic THC administration decreased early mortality from SIV infection in macaques, with an associated decrease in plasma and CSF viral loads (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3131805>). The study also analyzed THC *in vitro*, finding the compound decreased SIV viral replication in MT4-R5 cells.

A December 2011 study in *Journal of Neuroimmune Pharmacology* revealed THC and another cannabinoid known as CP55940 could reduce the migration of microglial-like cells towards the protein Tat. This is significant because Tat is implicated in HIV neuropathogenesis; thus, inhibiting Tat can potentially help control HIV (<http://www.ncbi.nlm.nih.gov/pubmed/21735070>). Another significant study carried out by the Mount Sinai School of Medicine and published March 2012 demonstrated that activating CB2 receptors, but not CB1 receptors, “reduced infection of primary CD4+ T cells following cell-free and cell-to-cell transmission of CXCR4-tropic virus” (<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0033961>). The report concluded that CB2 agonists may be beneficial for their antiviral effects against CXCR4-tropic viruses in late HIV-1 infection stages.

The role of cannabinoids for treatment of epileptic conditions has been gaining popularity recently, and several very prominent treatment cases are discussed in the case sections. A 1981 study in the *Journal of Clinical Pharmacology* suggested that CBD could be therapeutically effective against three of the four major types of epilepsy, including grand mal, cortical focal, and complex partial seizures (<http://www.ncbi.nlm.nih.gov/pubmed/6975285>). A September 2003 study in *JPET* used a rat pilocarpine model of epilepsy to test the effectiveness of THC and another cannabimimetic on seizures – treatment “completely abolished spontaneous epileptic seizures” (<http://jpet.aspetjournals.org/content/307/1/129.full>). The study also tested a CB1 antagonist, and found using it to block CB1 receptors significantly increased seizure duration. Another observation was that an endogenous cannabinoid known as 2-arachidonylglycerol significantly increased during seizures, suggesting that endocannabinoids along with phytocannabinoids modulate seizure activity through CB1 activation.

A very comprehensive June 2012 study in *Seizure* described the effects of CBD on three models of seizures (<http://www.ncbi.nlm.nih.gov/pubmed/22520455>). A previous study by the same team showed that cannabidiol reduced seizure severity and lethality in the *in vivo* model of pentylenetetrazole-induced generalised seizures. In this study, the acute pilocarpine model of temporal lobe seizure and the penicillin model of partial seizure were examined through CBD administration to rodents at levels of 1, 10, and 100mg/kg. In the pilocarpine model, all levels of CBD doses significantly reduced the number of animals experiencing the most severe seizures. In the penicillin model, CBD doses of 10mg/kg and 100mg/kg significantly reduced percentage mortality as a result of seizures, but all levels of doses decreased the number of animals experiencing the most severe tonic-clonic seizures.

Inflammation is at the core of many diseases, and many studies implicate cannabinoids in controlling excessive inflammation. Dr. Raphael Mechoulam, among others, holds a patent on the use of CBD to treat inflammatory diseases. The diseases listed in the patent include rheumatoid arthritis, multiple sclerosis, ulcerative colitis, and Crohn’s disease (<http://www.patentstorm.us/patents/6410588/fulltext.html>). A detailed study in the *Journal of Clinical Investigation* also described the ability of the ECS to mediate protective signals that reduce inflammation (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC385396>). Another study pointed to the

ability of cannabinoids to modulate inflammatory and degenerative neuronal damage in multiple sclerosis, also indicating that the ECS is dysregulated in the disease (<http://brain.oxfordjournals.org/content/130/10/2543.full>). The results point to the need for externally regulating the ECS to achieve effective MS treatment. Furthermore, a July 2003 study found that cannabinoids inhibited neurodegeneration and provided neuroprotection from inflammatory diseases (<http://brain.oxfordjournals.org/content/126/10/2191.full>). Furthermore, a patent exists on THC for treating and preventing symptoms of MS (<http://www.patentstorm.us/applications/20060167084/fulltext.html>). A summarizing study in the *Journal of the Neurological Sciences* hypothesized that the ECS can provide neuroprotection in CNS inflammatory diseases (<http://www.ncbi.nlm.nih.gov/pubmed/15894331>). THC, CBD, CBG, and their acidic forms were shown to mitigate inflammation by inhibiting cyclooxygenase enzyme activity in a 2011 study (<https://www.ncbi.nlm.nih.gov/pubmed/21532172>).

The potential of cannabinoids to prevent or reverse Alzheimer's disease is very promising. At the heart of Alzheimer's is the accumulation of beta-amyloid plaque, which impairs brain function and leads to the host of symptoms associated with Alzheimer's. A September 2013 study in *Molecular and Cellular Neurosciences* posited that beta-amyloid plaque buildup occurred because of impaired clearance of the plaque across the blood-brain barrier (<http://www.ncbi.nlm.nih.gov/pubmed/23831388>). It tested how the application of cannabinoid receptor agonists influenced the transport of plaque out of the brain, finding agonists significantly enhanced plaque clearance. They also elevated levels of LRP1, the beta-amyloid transport protein, which explains how receptor activation induced these results. Inhibiting cannabinoid receptors stopped beneficial effects, indicating the importance of receptor activation in fighting Alzheimer's.

A 2013 *Journal of Alzheimer's Disease* study showed the CB2 agonist JWH-133 improved cognition of mice genetically altered to have Alzheimer's characteristics (<http://www.ncbi.nlm.nih.gov/pubmed/23515018>). The improvement was associated with decreased microglial activity and reduction of four pro-inflammatory cytokines. "In conclusion, the present study lends support to the idea that stimulation of CB2 receptors ameliorates several altered parameters in Alzheimer's disease such as impaired memory and learning, neuroinflammation, oxidative stress damage and oxidative stress responses, selected tau kinases, and tau hyperphosphorylation around plaques."

An August 2014 study on Alzheimer's explored the use of CBD in treating genetically altered mice (<http://www.ncbi.nlm.nih.gov/pubmed/24577515>). These mice had impairments in social recognition and novel object recognition, which chronic CBD treatment reversed. However, anxiety-related behaviors were not affected. "It basically brings the performance of the animals back to the level of healthy animals. You could say it cured them, but we will have to go back and look at their brains to be sure," said Dr. Tim Karl, one of the study's authors (<http://www.smh.com.au/national/cannabis-may-help-reverse-dementia-study-20130206-2dxsk.html>). In a TIME article on how cannabinoids may slow brain aging, Dr. Gary Wenk, professor of neuroscience, immunology, and medical genetics at Ohio State University, stated, "I've been trying to find a drug that will reduce brain inflammation and restore cognitive function in rats for over 25 years; cannabinoids are the first and only class of drugs that have ever been effective. I think that the perception about this drug is changing and in the future people will be less fearful" (<http://healthland.time.com/2012/10/29/how-cannabinoids-may-slow-brain-aging>).

A 2015 study from researchers in Spain showed the importance of using THC and CBD for Alzheimer's disease (<http://www.ncbi.nlm.nih.gov/pubmed/25125475>). The cannabinoids worked together to reduce the harmful effect from the most toxic form of the beta-amyloid plaque, as well as exerted synergistic anti-inflammatory effects. A January 2016 study out of Israel confirmed that THC-rich cannabis oil benefits Alzheimer's patients (<http://www.ncbi.nlm.nih.gov/pubmed/26757043>). 10 patients completed the trial and experienced improvements in the following measures: Delusions, agitation/aggression, irritability, apathy, and sleep and caregiver distress. Researchers concluded that using cannabis oil for AD patients was a safe and promising treatment option.

Amyotrophic lateral sclerosis is a fatal neurodegenerative disease which is especially hard to treat. Prolonged excitation of nerve cells by the neurotransmitter glutamate is a potential cause, among many other factors. A 2008 study in *Current Pharmaceutical Design* described the role of the endocannabinoid system in managing ALS (<http://www.ncbi.nlm.nih.gov/pubmed/18781981>). Through the activation of CB1 and CB2 receptors, cannabinoids can exert anti-glutamatergic effects. Receptor activation can also reduce inflammation and decrease microglial secretion of neurotoxic mediators. The study concluded, "The ability of cannabinoids to target multiple neurotoxic pathways in different cell populations may increase their therapeutic potential in the treatment of ALS." An earlier study in a dedicated ALS journal tested THC in a mouse model of the disease (<http://www.ncbi.nlm.nih.gov/pubmed/15204022>). Administration of THC before or after onset of symptoms was effective in delaying motor impairment and prolonging survival. The study also found THC was "extremely effective" at reducing oxidative damage in spinal cord cultures, and was anti-excitotoxic in vitro. Another study in the same journal tested CBN in mice, which found it significantly delayed disease onset but did not affect survival (<http://www.ncbi.nlm.nih.gov/pubmed/16183560>). An August 2010 study in the *American Journal of Hospice and Palliative Care* called for clinical trials of cannabis for ALS due to its remarkable therapeutic versatility (<http://www.ncbi.nlm.nih.gov/pubmed/20439484>). The article states, "Ideally, a multidrug regimen, including glutamate antagonists, antioxidants, a centrally acting anti-inflammatory agent, microglial cell modulators (including tumor necrosis factor alpha [TNF-alpha] inhibitors), an antiapoptotic agent, 1 or more neurotrophic growth factors, and a mitochondrial function-enhancing agent would be required to comprehensively address the known pathophysiology of ALS. Remarkably, cannabis appears to have activity in all of those areas."

Chronic pain is a symptom of many diseases and a condition in itself. Pain is the ultimate driver of desperation and the sensation that destroys all happiness in life. It leads people to depression and suicide. Current methods for dealing with severe pain rely largely on opiates, which are not suited for providing long-term relief and can have many terrible side effects, such as constipation, mental disconnection, addiction, and withdrawal. Other pharmaceutical medications can treat pain, but like opiates possess unpleasant side effects. The scientific and experiential evidence suggest that cannabinoids are a better option for pain management.

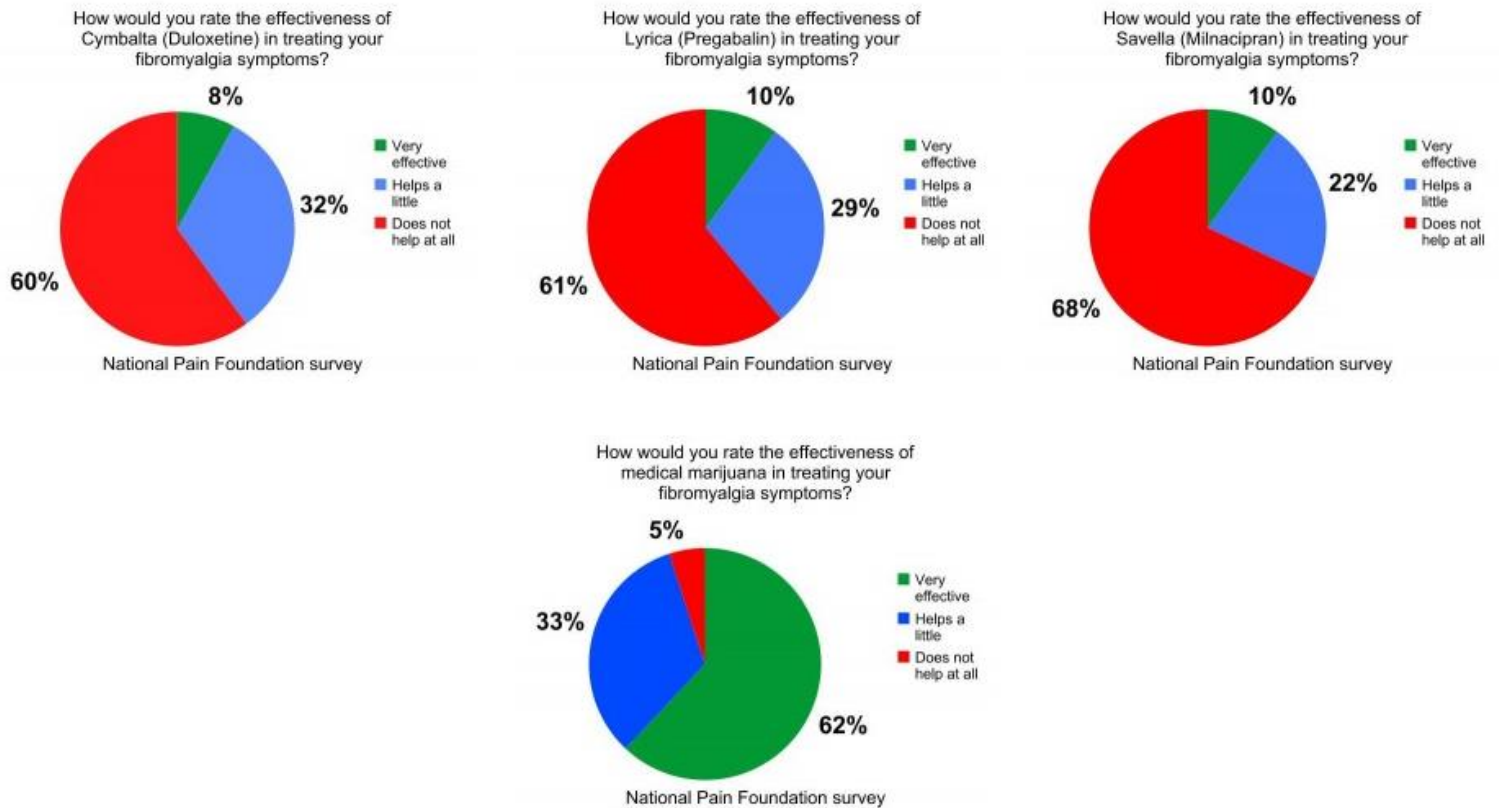
A February 2003 study stated CB2 activation inhibits acute, inflammatory, and neuropathic pain responses (<http://www.ncbi.nlm.nih.gov/pubmed/12550743>). Later that year, a study in *Anesthesiology* referred to cannabinoid receptor agonists' abilities to inhibit inflammatory hyperalgesia, an increased sensitivity to pain (http://journals.lww.com/anesthesiology/Fulltext/2003/10000/Inhibition_of_Inflammatory_Hyperalgesi

[a by%20.31.aspx](#)). A July 2006 study in *Current Neuropharmacology* demonstrated that activation of cannabinoid receptors modulated pain thresholds, reduced inflammation, and even worked synergistically with the endogenous opioid system (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2430692>). An earlier 1999 study linked anandamide with pain modulation (<http://www.pnas.org/content/96/21/12198.full>). In 2010, a *Public Library of Science* article postulated cannabinoid use as a treatment for managing postoperative pain, and stated that endocannabinoids inhibited nociceptive pain processing through activation of both CB1 and CB2 (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2878341>). A 2006 study in *Current Medical Research and Opinion* tested THC treatment on fibromyalgia patients where significant reduction of pain was observed, although several patients withdrew from the study due to adverse side effects, most likely psychoactive in nature (<http://www.ncbi.nlm.nih.gov/pubmed/16834825>). A May 2012 study in *The Journal of Neuroscience* demonstrated that the CB1 receptor was associated with both reduced pain and neurotoxicity produced by chemotherapy, specifically the chemotherapeutic agent cisplatin (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3366638/>).

A fantastic summary of cannabinoid pain-reduction effects is detailed in the June 2003 issue of *Journal of Pain and Symptom Management*, via a letter to the editor ([http://www.jpmsjournal.com/article/S0885-3924\(03\)00142-8/fulltext](http://www.jpmsjournal.com/article/S0885-3924(03)00142-8/fulltext)). The overview states that, “Cannabinoids block pain responses in virtually every laboratory pain model tested. In models of acute or physiological pain, cannabinoids are highly effective against thermal, mechanical, and chemical pain, and are comparable to opioids in potency and efficacy. In models of chronic pain, cannabinoids exhibit efficacy in the modulation of both inflammatory and neuropathic pain.” The article also describes three cases where mere smoked cannabis was able to reduce heavy opiate use by considerable amounts. Given that smoked cannabis delivers cannabinoids in a highly inefficient manner, it is notable that smoking still works more effectively than pharmaceutical-grade opiates.

A survey of over 1,300 fibromyalgia patients by the National Pain Foundation found that cannabis was far superior to the only three FDA-approved drugs for fibromyalgia

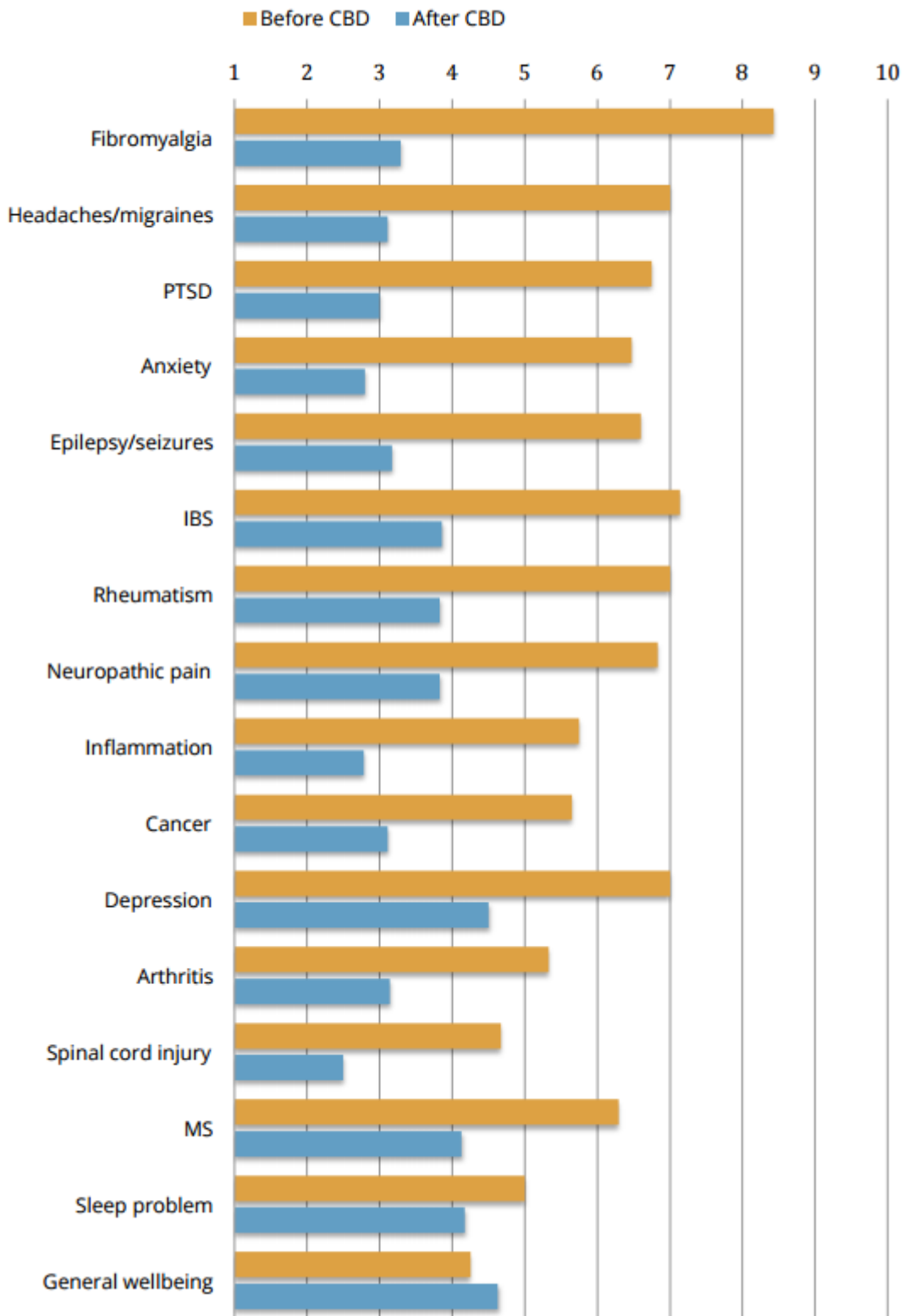
(<http://nationalpainreport.com/marijuana-rated-most-effective-for-treating-fibromyalgia-8823638.html>). The graphs below demonstrate the remarkable superiority of cannabis to the drugs. At most, 10% of people reported two of the FDA-approved drugs very effective for treating symptoms. In the case of cannabis, 62% of people reported the medicine very effective.



Another page on NationalPainReport.com summarized the results of a September 2015 survey by Care By Design, an organization that produces CBD-rich cannabis products in California (<http://nationalpainreport.com/medical-marijuana-great-for-migraine-fibromyalgia-and-irritable-bowel-syndrome-survey-finds-8828409.html>). 621 people were interviewed for the survey, including patients with cancer, multiple sclerosis, Parkinson's, epilepsy, spinal cord injury, neuropathic pain, arthritis, PTSD, depression, and more. Incredibly, **100% of patients** with fibromyalgia, headaches and migraines, irritable bowel syndrome, and spinal cord injury reported a decrease in pain or discomfort after using CBD-rich cannabis therapy for at least 30 days. **100% of patients** with PTSD reported an improvement in mood. There were dramatic effects of CBD on wellbeing for all patients (<http://blog.sfgate.com/smellthetruth/files/2015/09/CBD-Patient-Survey-September2015.pdf>).

Wellbeing: Before & After CBD-Rich Cannabis (Average, By Condition)

1 means "I feel great." 10 means "I feel the worst imaginable."



Cannabinoids possess remarkable and important antibacterial properties. A 2008 study in *Journal of Natural Products* found that THC, CBD, CBN, CBG, and CBC all displayed potent activity against many strains of methicillin-resistant *Staphylococcus aureus* (<http://www.ncbi.nlm.nih.gov/pubmed/18681481>).

While the majority of this analysis has focused on cannabinoids, the role of terpenoids and flavonoids cannot be forgotten. These compounds are found in fruits and vegetables, and likely work synergistically with cannabinoids. Dr. Ethan Russo, a prominent cannabis researcher, published a January 2011 paper in *British Journal of Pharmacology* which extensively reviewed the effects of various terpenoids and their synergistic potential with cannabinoids (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3165946>). He even identified which cannabinoids work synergistically with which terpenoids.

Terpenoids present include limonene, alpha-pinene, beta-myrcene, linalool, beta-caryophyllene, and others. They possess many of the same traits cannabinoids do, such as being anti-inflammatory, antibacterial, anticonvulsant, anti-anxiety, anti-fungal, pro-apoptotic, and more. Beta-caryophyllene, one of the most prominent terpenoids in cannabis, is gastric cytoprotective, anti-inflammatory, and anti-malarial. Limonene, commonly found in lemons, can induce apoptosis in breast cancer cells.

Flavonoids are seemingly less prevalent in cannabis than terpenoids, but still provide remarkable benefits. In a paper titled, *Cannabis and Cannabis Extracts: Greater Than the Sum of Their Parts?*, Dr. Russo described the therapeutic benefits of several flavonoids ([http://files.iowamedicalmarijuana.org/science/misc/McPartland-Russo-JCANT%201\(3-4\)-2001.pdf](http://files.iowamedicalmarijuana.org/science/misc/McPartland-Russo-JCANT%201(3-4)-2001.pdf)). Apigenin, quercetin, beta-sitosterol, and cannflavin A all appear in small concentrations. They exert antioxidant, anticancer, antimutagenic, and anti-inflammatory properties. Cannflavin A is unique to cannabis, and at least one study points to it being 30 times as powerful an anti-inflammatory as aspirin.

Reports of success with cannabis stretch back to the post-Civil War era. The March 1868-February 1869 issue of *The Medical Record* records several cases of physicians using cannabis extracts in their practice (<http://books.google.ca/books?id=8DVYAAAAMAAJ&printsec=frontcover>). Two cases are attached below.

CANNABIS INDICA IN INSANITY.—A physician of Prussia, Dr. Batcher (*Biennial Retrospect*), has used this drug in the various forms of mental disease, sometimes with transitory effects only, sometimes with improvement, and sometimes producing complete cure. He gives one-quarter or one-half of a grain of the extract, or fifteen drops of the tincture twice a day, using the Prussian preparations, which are stronger than ours. It is especially useful in the forming stage, with loss of sleep and precordial uneasiness. Of four cases of melancholia thus treated, one recovered in two months, a second in three months, a third after a much longer time, and the fourth was partially cured and suffered a relapse.

ABSORPTION OF FIBROID TUMORS OF THE UTERUS.—J. C. Peters, M.D. (*N. Y. Medical Gazette*), had a case of fibroid tumor, which diminished and almost disappeared under the continued use of tincture of cannabis indica in twenty to thirty-drop doses, persisted in for over two years. It was given for the purpose of arresting hæmorrhage and relieving pain, without disturbing the digestion.

The pains about the uterus, pelvis, hips, and thighs, ceased under this treatment; the appetite and strength improved, and finally the tumor diminished in size, and the remains of it can now only be detected by careful manipulation. All hæmorrhage has ceased for over a year.

This concludes the study-level analysis, but hundreds of further studies and news articles can be found at <http://www.letfreedomgrow.com/cmu/Grannys%20List%20January%202013.pdf>. The list of studies, collected by an activist known as Granny Storm Crow, features research showing the effectiveness of cannabinoids for nearly any disease imaginable. In addition to the diseases discussed above, the list contains studies relating to ADD/ADHD, addiction, depression, Parkinson's, and osteoporosis. Effects on less well known diseases are also documented, like Meige's syndrome and Niemann-Pick disease. Cannabis is further useful for conditions we do not think of as serious, such as the hiccups.

Much is left to be learned about the endocannabinoid system and its complex interactions with phytocannabinoids. The exact mechanisms of ECS function, and dysfunction, are still not entirely understood. Despite the vast mysterious landscape ahead, many concrete observations can be gleaned from the existing research, which thankfully is still quite robust. First, both endocannabinoids and phytocannabinoids exert therapeutic effects for virtually any disease. Even synthetic cannabinoids have been shown to induce benefit through activation of cannabinoid receptors. The ECS has been implicated in maintaining homeostasis through many body systems; this homeostatic regulatory property would explain why cannabinoids are effective against so many different conditions. When examined apart from anecdotal data, this research is simply promising, and no more. However, given that humans are actually using concentrated cannabinoids to achieve cure-level results for conditions where curative powers are potentially implied, this research must be taken far more seriously. In fact, even if this research didn't exist, the magnitude of the human experiences is impossible to ignore. Current scientific studies grant legitimate credibility and illuminate cellular mechanisms by which these curative results are occurring. In the future, more research will reveal not only more about how the ECS functions, but the best strains, dosages, and constituents for cannabis extract medicine.

As more research is conducted into cannabinoid medicine, further innovations and uses are bound to be discovered. For now, the scientific evidence supports the claims.

2. History of Rick Simpson and Phoenix Tears

Given the multitude of references to Rick Simpson throughout this report, and his critical importance to the beginning of the modern cannabis extract movement, his history is described in detail below. Rick Simpson was born in Springhill, Nova Scotia on November 30, 1949. He began work at the age of 16, and transitioned to a career in power engineering at 18. Rick worked as an engineer until 1997, when he suffered a work-related injury and was diagnosed with post-concussion syndrome. He was prescribed a number of drugs to alleviate his condition, but none were effective.



In late 1998, Rick watched an episode of “The Nature of Things”, in which Dr. David Suzuki interviewed medical marijuana patients who had achieved astounding results with cannabis. This prompted Rick to try it for himself. He quickly noticed that smoking cannabis did more for his condition than any of the pills he was taking. Despite the effectiveness of his self-administered medication, Rick’s doctor would not provide a legal prescription for cannabis, stating the herb was “bad for the lungs”. In response, Rick asked if it would be better to extract the essential oils from cannabis, knowing such a method would bypass the need for smoking. His plea failed, as the doctor still refused to write a prescription. Nonetheless, Rick decided to pursue this course anyway, and through trial-and-error developed an acceptable method for producing cannabis oil.

Until 2001, Rick continued taking prescription medicines until his doctor told him there was nothing more they could do. Rick then ceased use of pharmaceuticals, leaving cannabis oil as his only medication. This course greatly improved his condition.

In late 2002, Rick was diagnosed with skin cancer, which was present on three parts of his body; two patches on his face and one on his chest. In January 2003, Rick had one area of skin cancer removed surgically, with the remaining two parts scheduled to be removed later. Shortly after the surgery, Rick recalled a radio show he’d heard about the 1974 University of Virginia study indicating tetrahydrocannabinol inhibited cancer growth (<http://www.ncbi.nlm.nih.gov/pubmed/1159836>). Rick knew cannabis oil contained concentrated THC, so he decided to physically test it on himself. He applied

homemade oil to bandages and placed them directly on the skin cancer sites. In four days, the cancers were gone. Excited, Rick went back to his doctor's office to inform them that he had cured himself with cannabis oil, but the reactions from both the receptionist and doctor were negative.

After his incredible personal experiences, Rick decided he wanted to help others. He began growing cannabis in massive quantities in his backyard, using it to produce thousands of grams of oil, which he gave away for free to anyone in need. He quickly observed that cannabis oil exerted panacea-like effects. It eliminated any type of cancer he came across and reversed nearly any type of medical condition. Diabetes, chronic pain, multiple sclerosis, nerve damage, inflammatory and autoimmune disorders, and mental conditions became completely controlled or disappeared. Most patients came to Rick as a last resort, not believing something as simple as cannabis oil could really work. The standard treatment provided was 60 grams to be used over 90 days; this was the dosing level Rick observed was necessary to achieve curative effects. However, as massing evidence indicates, sometimes much less or much more cannabis oil is needed to realize such effects.

Rick's activities attracted both media and law enforcement attention. In late 2006, stories about Rick appeared on Global National News and Global Maritimes Evening News, two popular Canadian news programs. Prior to that, on August 3rd, 2005, the Royal Canadian Mounted Police raided Rick's home, and confiscated 1,190 cannabis plants (<http://www.cumberlandnewsnow.com/Justice/2007-09-13/article-370849/Seized-marijuana-plants-had-value-up-to-830000-RCMP/1>). Although the cited article states 1,190, Rick said the plant count was actually 1,620; one of the news reports also mentions a count number around 1,600. The raid led to a trial in September 2007, where Rick faced charges including possession of less than 30 grams of cannabis, possession of less than three kilograms of tetrahydrocannabinol for the purpose of trafficking, and unlawful production of cannabis. He was found guilty on all charges. When discussing an adjournment for sentencing, Rick said the following to Judge Felix Cacchione:

"It may be better to lock me up right now. As soon as I get home I'm going to treat my patients. I'm going to grow that plant until the day I die, so I might as well be put in jail today. I can't stop in the middle of [treatment]. People's lives are at stake here."
(<http://www.cumberlandnewsnow.com/Justice/2007-09-19/article-381209/Simpson-guilty/1>).

Simpson was scheduled to return to court for sentencing on November 30, 2007. However, while awaiting sentencing, Simpson was arrested again for trafficking THC, and was remanded for four days until being released. When Simpson was sentenced for his first charges, he received a \$2,000 fine, prohibition on ownership of firearms (as is the case with most drug charges), and one day custody, deemed served by his court appearance. Judge Cacchione explained his decision, saying, "Mr. Simpson has a sincere belief he has a cure with this oil and should be commended, but in reality, he broke the law" (<http://www.cumberlandnewsnow.com/Justice/2008-02-11/article-382416/Simpson-considers-leaving-country/1>). In early 2008, Rick returned to court to face the charge related to his second arrest, and was sentenced to eight days in custody by Judge Carole Beaton. As with the first case, the custody time was deemed served by Rick's previous remand time.

"Mr. Simpson is in an unusual position, because unlike other people engaged in the drug trade, he was not engaged in trafficking for financial gain," said Judge Carole Beaton. "He was engaged in an altruistic activity and was firm in his belief that he was helping others" (http://www.salem-news.com/articles/december052009/rick_simpson_bk.php).

With two separate legal incidents happening only months apart, Rick was forced to cease his activities for some time. In November 2009, Rick went to Amsterdam to receive the High Times Freedom Fighter of the Year Award (<http://www.hightimes.com/read/rick-simpson-seeks-political-refuge-europe>). While in Europe, Rick's home was raided again by police, resulting in more cannabis production and possession charges, along with charges related to the breaking of his firearms prohibition. (<http://www.cumberlandnewsnow.com/Justice/2009-12-17/article-818327/Summons-issued-for-cannabis-crusader/1>). As a result, Rick decided to stay in Europe for several years, where he continued to educate people personally and through his organization, Phoenix Tears. The 2009 charges were withdrawn in 2012 by Crown attorney Doug Shatford after a forfeiture application of seized items was approved (<http://www.cumberlandnewsnow.com/News/Local/2012-05-14/article-2978460/Charges-against-Simpson-withdrawn/1>).

Rick Simpson's endeavor to heal people with cannabis oil was publicized in the documentary *Run From the Cure*, released February 2008 (<http://www.youtube.com/watch?v=pjHT9282-Tw>). The documentary elaborates upon Rick's story and how he discovered cannabis oil could eliminate various cancers and other diseases. The film also provides step-by-step instructions on how to make cannabis oil and features interviews with cured patients, including those once deemed terminal. It is of note that much better processes for extracting cannabis oil have been discovered since the publishing of *Run From the Cure*. Alcohol, vegetable oil, carbon dioxide, and other non-petroleum-based solvents are fast becoming the choice ways to process cannabis into extracts.

Further discussed in the documentary is an incident involving Rick Dwyer, former president of the Macan Branch of the Royal Canadian Legion. After seeing success with his father Ed for terminal lung cancer, Dwyer tried to share the information through his Legion branch. However, upon learning of what the branch was promoting, Provincial Command intervened and removed Dwyer from his position, claiming that advocating the use of an illegal substance was unacceptable (<http://www.canada.com/globaltv/national/story.html?id=70817eb6-a515-4af7-bf0d-3050413f0ebc>).

This trend of disregard and disbelief for cannabis extract medicine has been a perpetually strong presence. Rick Dwyer's incident was only the beginning – Rick Simpson also experienced rejection from every organization he contacted, including cancer research centers. He offered to present evidence directly from patients proving the effectiveness of cannabis oil, but no one listened. It was not even until August 2013 that the first truly mainstream testimonial for cannabis extract medicine was shown to the world, in the form of Dr. Sanjay Gupta's *Weed* documentary and its discussion of child-patient Charlotte Figi. Through the use of non-psychoactive high-cannabidiol oil (which differs from traditional psychoactive high-THC oil), Charlotte's seizures dropped from 300 grand mal seizures a week to less than three minor seizures a month. The use of cannabis oil was commenced only after every possible combination of powerful pharmaceuticals failed. Charlotte's case is just the latest in an incredibly long and diverse list of successes that have been achieved since the release of *Run From the Cure*.

Interestingly enough, Rick Simpson is cited in the November 2013 *Case Reports in Oncology* study in the previous section, as he helped assist the studied patient with producing her own oil.

Run From the Cure was directed by Christian Laurette, who himself had a very positive healing experience with cannabis oil for back problems. He is currently directing *Run From the Cure 2*, which will feature many of the developments that have occurred since the first film.

3. Individual Case Reports

Patients have always been the central focus of the cannabis extract movement; real people who have faced real prospects of pain and death, yet recovered successfully through the use of cannabis extract medicine. The following testimonials are pulled primarily from social media and news sources, as well as from personal interviews of the author. Several cases also include official medical documentation of diagnosis and subsequent remission.

The most fitting place to start is the documentary *Run From the Cure*, which featured several patients who experienced incredible healing benefits.

Eric Donkin had four open-heart surgeries and five pacemakers, and through the use of Rick's oil, was able to live life nearly pain free and go back to work. Doctors had told him he would only be able to sit on the couch and watch TV for the rest of his life. Eric also remarked that the oil was effective for his father's cancer, and it was because of his father that he began on the oil as well.

Rick Dwyer suffered from major depression since 27, along with panic attacks. Three back injuries resulted in chronic back pain with constant aching. The oil cut down his panic attacks, reduced back aches, and continuously improved depression and anxiety symptoms.

Debbie Donkin had suspected skin cancer on her shoulder, and after using the oil for two weeks (by putting the oil on a bandage, and reapplying oil/changing the bandage a few times throughout), the site was completely clear.

Cecil Hoeg had melanoma on his face, which had previously been treated many times with radiation. Although the radiation treatments were ineffective, Rick's cannabis oil proved effective at finally getting rid of the cancer.

Margaret Dwyer used cannabis oil with efficacy for migraines, an ovarian cyst, arthritis, skin allergies, stomach problems, and even snoring.

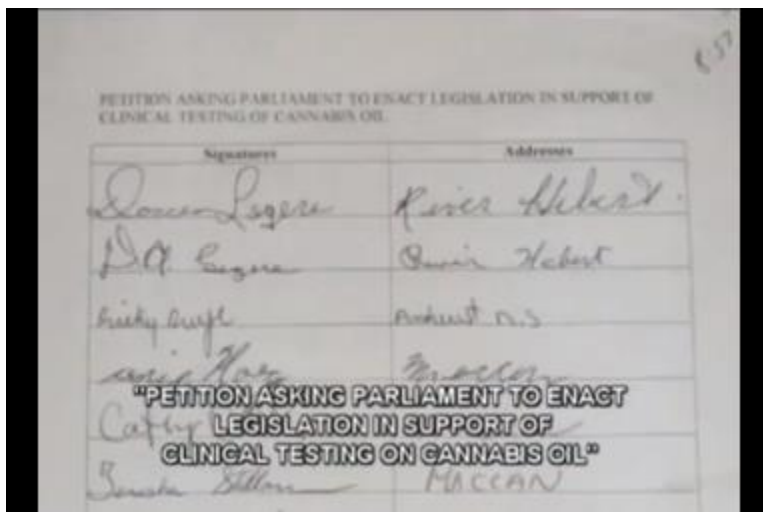
The most dramatic case featured is James LeBlanc, a patient with terminal cancer who was healed with cannabis oil. While James' story is relatively brief in the documentary, the author of this report spoke extensively with James in 2008, and recorded several important details. Some information is also taken from the original incarnation of the Phoenix Tears website.



James was diagnosed with stomach cancer on May 18, 2005. Over the subsequent few months, LeBlanc endured surgery, chemotherapy, and radiation treatments. On November 30th, 2005, the cancer was virtually gone. It returned in October 2006, and this time had spread throughout James' lymph node system. In November 2006, LeBlanc was given two months to live, as the cancer was completely untreatable. Only palliative medicine was prescribed. It was in December 2006 that LeBlanc became aware of cannabis oil, and was brought to Amherst to meet Rick Simpson. He was initially skeptical of the endeavor – like most people at the time, he was using cannabis oil as a last resort with little hope. After speaking extensively with Rick, LeBlanc's hopes were raised and he started the oil on January 1st, 2007. On April 4th, 2007, LeBlanc had his first CT scan since starting the oil and received the results on April 24th. The doctor presented James with extremely good news; not only was the cancer not spreading, but it was dying. By late July, the second CT scan showed that only a small bit of cancer remained, and by the final CT scan in December 2007, the cancer was completely gone. After beating terminal cancer, James returned to work.

Rick Dwyer, a patient mentioned above and former president of the Maccan Branch of the Royal Canadian Legion, spoke on Global Maritimes Evening News in December 2006. He spoke about issues with the RCMP and the success his father, 82-year-old Ed Dwyer, experienced through cannabis oil consumption. The treatment helped drain fluid from Ed's lungs, repair his prostate, and eliminate his need for insulin to control his diabetes. Through the use of cannabis oil, the fluid from Ed's lungs was drained, his prostate was repaired, and he no longer needed to take insulin for controlling his diabetes. Most importantly, Ed's terminal lung cancer was held at bay, despite at one point having a prognosis of only 24 hours to live.

Later in the documentary, Rick Dwyer discussed how he came to meet Rick Simpson and learn the truth of his claims by talking with cured patients. As Dwyer stated, "I investigated it as I should've." Despite efforts to share the information with Provincial Command and solicit an honest review of the claims, they did not listen. Dwyer even started a petition asking parliament to enact legislation in support of clinical testing on cannabis oil.





Instead of examining the evidence, Legion Command came in and shut down the Maccan Branch. Rick Dwyer's efforts to share the scientific and human evidence were ignored. Provincial Command only cared that the Royal Canadian Legion name and insignia were not used to promote illegal information. Steve Wessel, Command Chairman of Nova Scotia, said sharing such information could damage the integrity and reputation of the Legion.

Given that no actual medical documentation of curative results were included in *Run From the Cure*, the documentary was initially, and still to this day, met with heavy skepticism. To counter this skepticism, Rick Simpson simply stated, "If you don't believe me, put some oil on a skin cancer, and watch it disappear." Indeed, since the 2008 release of *Run From the Cure*, thousands of people have taken this challenge and more, seeing Rick's seemingly absurd claims confirmed time and time again.

David Triplett treated skin cancer on his nose with cannabis oil, and documented the results in a short film titled *Cured: A Cannabis Story*, released in July 2010.

(<http://www.youtube.com/watch?v=JPm0Jq9bj98>).





A woman named Maggie Peron discussed the use of cannabis oil for her 65-year old father, who had squamous cell carcinoma on his hands (http://www.youtube.com/watch?v=Ui68B_rjzLk). He had to deal with constant scabs, pus, sores, and pain. Maggie bought cannabis oil from Gersh Avery, who often goes by the pseudonym Peanut Butter. She convinced her dad to try it topically one night, and the very next day he reported substantially reduced pain. Over a month, the scabs and sores almost completely disappeared. There was hardly any scarring, and pus had gone away completely. "That's the main thing, there's no pain," said Maggie.



Gersh Avery has treated many people and informally collected some reported results in a spreadsheet. He insisted this was not a formal study, just observations from patients. Ratings are on a 1 to 10 scale, with 1 being the least severe and 10 being the most severe symptom intensity. These symptoms stem from Crohn's disease, gastroesophageal reflux disease, or ulcerative colitis. Measured symptoms include acid, tension, gurgling, diarrhea, and pain.

Averages before	after	change	as a percentage	min/max	min	max	number of feedback forms:
Acid	6.3	2.4	-3.9	-62%	Acid	33%	-100%
tension	6.9	2.8	-4.1	-59%	tension	0%	-100%
gurgling	6.8	2.6	-4.2	-62%	gurgling	43%	-100%
diarrhea	4.9	1.3	-3.6	-73%	diarrhea	200%	-100%
pain	7.4	3	-4.4	-59%	pain	0%	-100%

Before as reported by patient					After 30 minutes as reported by patient					Change as reported by patient					Change as a percentage of starting levels					
Acid	tension	gurgling	diarrhea	pain	Acid	tension	gurgling	diarrhea	pain	Acid	tension	gurgling	diarrhea	pain	Acid	tension	gurgling	diarrhea	pain	
6.27083	6.8654	6.78	4.875	7.442	2.44	2.7692	2.634615	1.30952	3.08	-3.8	-4.09615	-4.14538	-3.56548	-4.4	NA	represents none of that symptom to start with	NA	NA	NA	NA
7	8	8	8	9	0.5	1	1	0.5	0	-6.5	-7	-7	-8.5	NA	-93%	-88%	-88%	-94%		
8	8	8	7	7	4	3	3	0	3	-4	-5	-5	-7	-4	-50%	-63%	-63%	-100%	-57%	
3	7	6	7	5	4	4	3	2	2	1	-3	-3	-5	-3	33%	-43%	-50%	-71%	-60%	
8	8	7	4	9	6	7	4	4	8	-2	-1	-3	0	-1	-25%	-13%	-43%	0%	-11%	
7	9	9	7	7	2	2	2	2	2	-5	-7	-7	0	-5	-71%	-78%	-78%	NA	-71%	
8	6	7	9	6	3	2	4	3	3	-5	-4	-3	-6	-3	-63%	-67%	-43%	-67%	-50%	
5	5	6	3	3	1	2	2	1	1	-4	-3	-4	0	-2	-80%	-60%	-67%	NA	-67%	
3	8	7	1	10	3	6	10	1	10	0	-2	3	0	0	0%	-25%	43%	0%	0%	
8	4	9	7	7	3	2	4	2	2	-5	-2	-5	0	-5	-63%	-50%	-56%	NA	-71%	
10	6	8	8	8	3	2	2	4	4	-7	-4	-6	0	-4	-70%	-67%	-75%	NA	-50%	
7	7	7	7	7	0	0	0	0	0	-7	-7	0	-7	-7	-100%	-100%	0%	-100%	-100%	
1	8	6	2	7	1	4	3	1	3	0	-4	-3	-1	-4	0%	-50%	-50%	-50%	-57%	
7	2	0	5	7	2	0	0	0	2	-5	-2	0	-5	-5	-71%	-100%	0%	-100%	-71%	
8	8	0	0	8	0	0	0	0	0	-8	-8	0	0	-8	-100%	-100%	0%	NA	-100%	
7	7	6	7	7	3	1	1	2	2	0	-4	-5	0	-5	NA	-57%	-83%	NA	-71%	
9	7	7	6	6	0	0	0	0	0	-9	-7	-7	-6	-6	-100%	-100%	-100%	-100%	-100%	
0	10	10	10	9	0	3	2	3	3	0	-7	-8	-7	-6	NA	-70%	-80%	-70%	-67%	
8	6	9	9	9	3	2	3	0	3	-5	-4	-6	0	-6	-63%	-67%	-67%	NA	-67%	
8	9	10	10	8	3	1	3	3	1	-5	-8	-7	-7	-7	-63%	-89%	-70%	-70%	-88%	
7	7	10	1	10	4	4	7	0	9	-3	-3	-3	-1	-1	-43%	-43%	-30%	-100%	-10%	
4	3	0	2	4	1	2	0	0	2	-3	-1	0	-2	-2	-75%	-33%	NA	-100%	-50%	
5	9	10	5	8	0	5	0	0	2	-5	-4	-10	-5	-6	-100%	-44%	-100%	-100%	-75%	
8	6	7	5	9	3	3	2	2	2	-5	-3	-5	-3	-7	-63%	-50%	-71%	-60%	-78%	
6.5	7.5	8.5	7.5	9.5	2.5	3.5	2.5	4.5	4.5	-4	-4	-6	-3	-5	-62%	-53%	-71%	-40%	-53%	
10	10	10	1	10	10	10	10	3	10	0	0	0	2	0	0%	0%	0%	200%	0%	
2	4	1	0	4	0	1	0	0	1	-2	-3	-1	0	-3	-100%	-75%	-100%	NA	-75%	

A news report on ABC News Channel 13 discussed the use of cannabis oil for neck cancer (<http://www.youtube.com/watch?v=OF3mTf1z3Yo>). Brett Strauss first had cancer in 2007, and after beating it traditionally, the cancer returned in the form of five malignant tumors in January 2010. He decided to try topically using a cannabis extract balm on his neck, and in March 2010, doctors confirmed only one tumor was malignant. After this experience, Brett wanted to research the effects of cannabis oil for other cancer patients. However, there does not seem to be any further information available about his intended research.



Shona Banda is a particularly unique patient and activist who has Crohn's disease. Shona battled for eight years against a very severe case of Crohn's, using an array of powerful pharmaceuticals including Remicade, which often has serious and painful side effects. When she began using cannabis oil in March 2009, her condition greatly improved. The drastic, overwhelming success prompted Shona to write a

book about her experience called *Live Free or Die*. The book started as a journal that Shona kept to document the effects of cannabis oil, and she expanded upon the journal with other information to create her book. *Live Free or Die* is especially powerful because of Shona's courage to reveal the specific ways in which Crohn's affected her life. On several occasions she thought she was going to die.

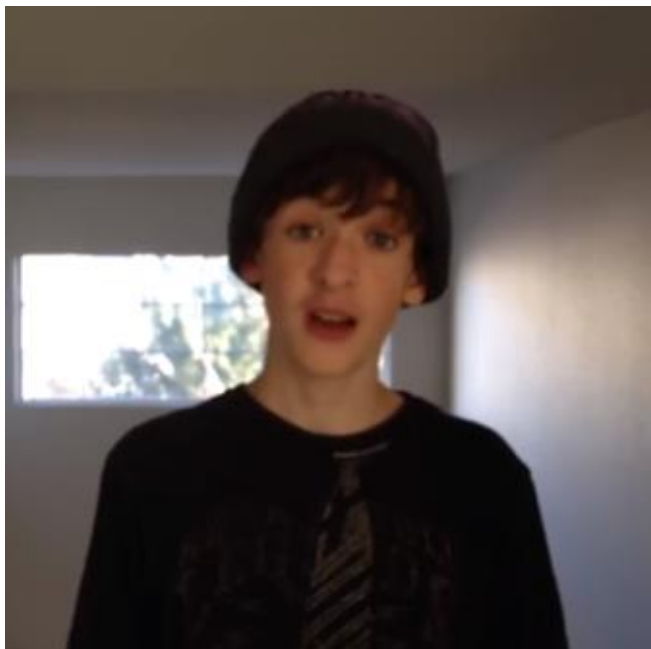
The other interesting aspect of Shona's story is the way she produced cannabis oil. Having seen *Run From the Cure* and knowing she couldn't acquire the recommended amounts of cannabis to make oil from (in the documentary, a pound or as little as one ounce is recommended), Shona believed she would never try it. However, after vaporizing cannabis in a globe-type device, she noticed residue accruing along the sides, which looked like the cannabis oil she'd seen in *Run From the Cure*. With nothing to lose, Shona began collecting and consuming the oil residue in capsules. Within a week and a half, she noticed remarkable improvements; although some abdominal pain initially intensified, Shona attributed this to scar tissue changing and falling off. Over the next few months, aside from periods where cannabis was unavailable, Shona continuously improved. She went from literally being on the verge of death to feeling almost completely disease-free. The details in her book are truly remarkable, and a must-read for anyone legitimately interested in this issue. The pain Shona overcame with her improvised form of cannabis oil is nothing short of incredible. Furthermore, other patients without access to large amounts of cannabis have used her vaporization method to make oil from small quantities. Shona recorded a brief summary of her story in 2010 (<http://www.youtube.com/watch?v=4cQrT0sDxyc>). Her book *Live Free or Die* is available in hardcopy and the Kindle (<http://www.amazon.com/Live-Free-Die-Reclaim-Life/dp/1449045561> and <http://www.amazon.com/Live-Free-or-Die-ebook/dp/B005GHM244>). As of August 2014, Shona is still doing extremely well.



A 14-year-old patient named Coltyn Turner has been using cannabis extracts successfully for Crohn's disease. A September 3rd, 2014 article described how his condition was triggered by a bacterial infection in summer 2011. He subsequently developed severe pain and stopped growing (<http://www.ksdk.com/story/news/local/2014/09/02/cannabis-helps-illinois-boy-with-chrons-disease/15001299>). Traditional medicines did not work, and the only other option, surgery, would stunt

his growth further. The family moved to Colorado from Illinois to access cannabis as a last resort in February 2014. Coltyn began taking cannabis oil in capsules four times a day, while eating an edible at night. By September he had gained 20 pounds and his symptoms disappeared. He went from being drowsy in a wheelchair to climbing mountains. “I was just charging up there, and everyone else was dropping like flies,” Coltyn said.

In an October 26th, 2014 video, Coltyn showed medical documentation of the dramatic improvement in his colon (<http://www.youtube.com/watch?v=fm19RLwtnok>). His father commented, “More good news!! Coltyn's pathology came back today and there is no active disease in his colon. There was a very minute amount of inflammation in his stomach. In January 2014, Coltyn had 22cm of inflammation as well as too many ulcers to count. And this current colonoscopy NO ulcers and very limited mild inflammation. Also his CRP went from an 8 to 1.3 and for the first time he is not anemic. It feels surreal and it simply amazes us. Cannabis is the only medicine he has treated his Crohns with since his last colonoscopy. This is not alternative medicine this should be one of our first options!!!!”



Before Cannabis:

After Cannabis:



Coltyn has continued to do very well with cannabis as his primary medication as of February 2016. He has even won at least one major award for his activism.

A video posted on October 5, 2011 discussed the story of an elderly woman who overcame Stage IV cancer and lupus with cannabis oil (<http://www.youtube.com/watch?v=jxis8lqaEGE>). In January 2011, the woman (known as “Granny”) was told she had “days, weeks at the most” to live, as her condition was especially taxing. In addition to the cancer, she was paralyzed from the left side of her face, starting from the jaw, to the waist. A compassionate stranger learned of her story and donated cannabis oil to help. A litany of improvements immediately started after Granny began the treatment, including reduction of tumors, almost complete elimination of chronic pain, ceasing of constant vomiting, and remarkable concurrent improvements for lupus and fibromyalgia. Granny forewent chemotherapy and surgery for this path, and strongly believes, based on the poor prognosis from doctors and the state she was in, that if not for cannabis oil she would be dead.



Cannabis oil has proven to be effective against even long-standing chronic pain (<http://www.youtube.com/watch?v=gu5VNQHxKkU>). A video released in October 2011 features Tomas Harner, who for 30 years endured back pain as a result of accidents. In the last 10 years, he said his

condition became worse, and doing simple tasks like putting on shoes were becoming difficult. Within the first week of consuming cannabis oil, the sharp pains which inhibited his movements were gone. Tomas maintains awareness of his injury, but the vast majority of his pain has disappeared and his range of movement has improved dramatically. He believes that taking more oil will eliminate remnants of pain.



A medicinal cannabis oil producer named Aamann Degarth has observed amazing results with cannabis oil, and has documented the results in shared videos. One November 2011 account details his work with reflex sympathetic dystrophy, now more commonly known as complex regional pain syndrome (<http://www.youtube.com/watch?v=Xvw19POCN4g>). Aamann was referred to the RSD patient by a friend, and managed to procure oil for her. The patient had extremely little experience with cannabis, and Aamann took measures to ensure she started off slowly. He packaged the oil in various delivery mechanisms and sent it off. He was unsure of what the effects would be, as RSD was a condition he hadn't heard of. The day after starting the oil, the patient reported being pain free, right from the first dose. Aamann was surprised by the speed of this particular treatment. A later June 2012 video from Aamann provided an update on RSD/CRPS treatments with cannabis oil, reporting that other patients had experienced immense success (<http://www.youtube.com/watch?v=OvEztT4VHCg>). Again, even small amounts of oil were reported to be effective at stopping pain.



Aamann has treated and documented a wide variety of conditions, including allergies (<http://www.youtube.com/watch?v=V0fgTlorzXI>), ADD (<http://www.youtube.com/watch?v=C4ljMHUW4ul>), neuropathy (<http://www.youtube.com/watch?v=p4Y0CW10RTg>), insomnia (<http://www.youtube.com/watch?v=n1odhWwHSps>), cyclical vomiting syndrome (<http://www.youtube.com/watch?v=3tVtUf1hTQs>), lyme disease (http://www.youtube.com/watch?v=d_HAOkPSzgw) and more. A particularly intense case describes a patient's experience with trigeminal neuralgia, a condition so terrible it is nicknamed "suicide disease." TN is a neuropathic disorder that involves episodes of intense, stabbing pain to the face. Aamann provided cannabis oil to a TN patient and observed that it worked remarkably well, with the patient reporting zero problems (<http://www.youtube.com/watch?v=S495AUPbka0>).

Before moving forward, it is important to highlight the trend regarding cannabis oil and pain. Currently, the primary treatment for pain is opiates. Many patients have reported that not only are opiates ineffective over the long-term, but they cause immense physical discomfort, cloudiness of the mind, and other physical complications. So many patients have strongly insisted that cannabis oil is far more effective than opiates with none of the side effects. They feel cannabinoid treatment attacks the roots of their pain, rather than providing a mere numbing effect. Such effects are difficult to objectively measure because they are entirely subjective, but this remarkably strong trend is something that cannot be ignored.

A January 2012 video featuring three patients, Mike Stone, Tom, and Jeff, illustrated the benefits of cannabis oil for multiple sclerosis, rheumatoid arthritis, and mesothelioma (<http://www.youtube.com/watch?v=V-uGtEHZUE>). Mike had been diagnosed with relapsing-remitting multiple sclerosis 17 years prior to the video's filming. To combat the disease, he was prescribed a litany of drugs, which created many unpleasant side effects, including suicidal thoughts. After seeing *Run From the Cure*, Mike decided to try a 90-day cannabis oil treatment program. He concurrently ceased all use of pharmaceuticals. He found the oil to work very effectively, while eliminating the remaining side effects from prior pharmaceutical use.



The next patient featured, Tom, was diagnosed four years prior to filming with severe rheumatoid arthritis. Lack of treatment for many years caused extensive damage in his hands. Tom met Mike Stone, the above patient, at a May 2011 medicinal cannabis informational meeting. Mike told Tom about the potential benefits of cannabis oil, and Tom was able to secure some. He started with one small dose a day for the month of June, while still taking his previous pharmaceuticals. After a month, he decided to go for the full 90-day treatment. In early August 2011, he stopped taking methotrexate, a chemotherapy drug also used for rheumatoid arthritis, which caused especially severe side effects. By August 25th, he started taking cannabis oil three times a day for 90 days. Tom's rheumatologist told him that swelling was an indicator of if his rheumatoid arthritis was active – after the treatment, Tom's swelling completely disappeared, indicating apparent inhibition of the disease. He currently takes one dose of oil a day to help him sleep at night and keep the effects of rheumatoid arthritis at bay.



The third person in the film, Jeff, found out he had five tumors on his left lung, diagnosed as mesothelioma in July 2011. Like Tom, Jeff found out about cannabis oil from Mike Stone. Mike showed

Jeff how to make his own cannabis oil, and Jeff began treating himself by putting two drops on his tongue every morning with an eyedropper. On December 21st, 2011, Jeff was told all his tumors were gone and he was cancer free. “Best Christmas present I ever had,” remarked Jeff. He also stopped taking his blood pressure medication, given his BP had normalized. Jeff is also successfully controlling his diabetes, with his sugar levels never being over 110. He’s off his allergy medicines and cholesterol medicines as well. He still has some problems breathing as a result of emphysema. However, overall, Jeff feels his life has drastically improved.



At an event known as “Uncle Pete’s Cannabis Camp” in June 2012, where people are taught about the healing effects of cannabis oil along with how to make it, the testimonial of Joe Crowe was recorded (<http://www.youtube.com/watch?v=W0nwgBtxXKc>). Joe had a fist-sized tumor in his upper chest, diagnosed as Hodgkin’s lymphoma. Over the course of twelve years, he received chemotherapy and bone marrow transplants which failed to eliminate the cancer. In the fall of 2011, Joe was connected with a caregiver in Michigan and began receiving cannabis oil. Within three months of cannabis oil treatment, Joe felt his tumor began to shrink. In five months, he was cancer free.



On December 4, 2013, Joe released an update video stating he is still cancer free after a year (<https://www.youtube.com/watch?v=-spOVv8EobU>). He emphasized the importance of continuing to take a maintenance dose of oil to prevent cancer from returning, especially due to the large amount of environmental toxins humans are exposed to daily. Joe now helps other people make and use cannabis oil therapeutically, and at the end of the video recounts an experience with a Stage IV cancer patient who went into remission with self-made oil.



Brian Stewart is a Canadian Motorsports Hall of Fame inductee who has used medical cannabis for self-treatment of cancer (<http://www.crash.net/indycar/news/21342/1/mips-stewart-earns-hall-of-fame-honours.html>). Brian has been in the racing industry since 1966, and won many championships as both a driver and team owner (<https://www.youtube.com/watch?v=x8W1fIMxJE4>). His love for winning extends beyond racing to beating cancer. After noticing a progressively growing tumor in his ear, Brian went to his doctor, who said he would have to remove the ear entirely to get the tumor. Brian said if that's the way it has to be, it's the way it has to be, and an appointment to see a specialist was made. In the meantime, a friend told Brian about cannabis oil. Despite having never smoked a cannabis cigarette in his life, Brian decided to give it a try topically, using oil from his friend. Within a week, he started noticing results, and in the shower bits of the tumor were falling off. Treatment was interrupted when Brian took a trip to Dallas, but upon returning he finished the treatment. From start to finish, not including his time in Texas, it took three and a half weeks for the tumor to disappear.

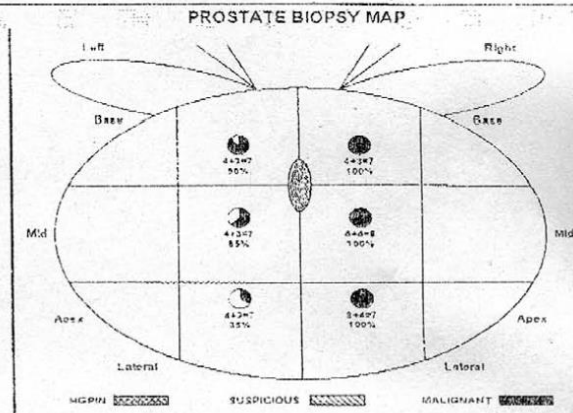
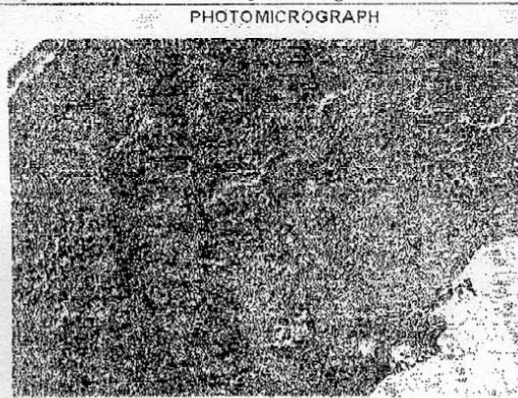
Brian didn't stop with his own healing. He goes onto describe other people he then helped with oil. A friend's wife had skin cancer in her ear, and using around three grams of oil topically over three and a half weeks (about the same amount of time as Brian) was able to eliminate the cancer. Another friend's wife got melanoma on her leg. The majority was eliminated with surgery but some cancer apparently remained between the stitching. Brian gave the woman cannabis oil, and it "cured it up too." After seeing his video, it is clear why Brian is often referred to as one of the greatest personalities in Canadian racing history.



Dennis Hill is a friend of the author, and an established teacher of meditative practices. He has written several books on meditation and yoga. He also worked in the field of cancer research for ten years. In February 2010, six biopsies revealed highly invasive and aggressive prostate cancer.

 BOSTWICK LABORATORIES 1299 North Desert Drive Tempe, AZ 85284 Phone: 480-365-2252 Fax: 480-424-1581 www.bostwicklaboratories.com		BL10-0104-0001298  Date Collected: 02/23/2010 Date Received: 03/24/2010 Date Reported: 02/26/2010 16:22															
PATIENT INFORMATION Name: Dennis Hill SSN: [REDACTED] Date of Birth: [REDACTED] Registration #: [REDACTED] Phone: [REDACTED]		PHYSICIAN INFORMATION Alexander Liu M.D. McHenry Medical Group Urology 1000 Deibon Ave Suite 2 Turlock, CA 95382 Phone: (209) 634-8556 Fax: (209) 634-6955															
Provided ICD-9 codes: 790.93		CLINICAL HISTORY															
PROSTATE, NEEDLE BIOPSIES: The specimen was received in 6 vials containing pink-tan 0.1 cm diameter prostate biopsies in formalin, submitted in toto.		GROSS DESCRIPTION															
	<table border="1"> <thead> <tr> <th>Site</th> <th>Length</th> </tr> </thead> <tbody> <tr> <td>(A) Right Apex</td> <td>2.0 cm (Bisected)</td> </tr> <tr> <td>(B) Right Mid</td> <td>1.5 cm (Bisected)</td> </tr> <tr> <td>(C) Right Base</td> <td>1.7 cm (Stringy, Bisected)</td> </tr> <tr> <td>(D) Left Apex</td> <td>1.7 cm (Bisected)</td> </tr> <tr> <td>(E) Left Mid</td> <td>2.0 cm (Stringy, Bisected)</td> </tr> <tr> <td>(F) Left Base</td> <td>2.5 cm (Trisected, Stringy)</td> </tr> </tbody> </table>	Site	Length	(A) Right Apex	2.0 cm (Bisected)	(B) Right Mid	1.5 cm (Bisected)	(C) Right Base	1.7 cm (Stringy, Bisected)	(D) Left Apex	1.7 cm (Bisected)	(E) Left Mid	2.0 cm (Stringy, Bisected)	(F) Left Base	2.5 cm (Trisected, Stringy)		
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(F) Left Base	2.5 cm (Trisected, Stringy)																

All specimens were not totally submerged in fixative.



DIAGNOSIS

PROSTATE, NEEDLE BIOPSIES:

- (A1) Right Apex: ADENOCARCINOMA (GLEASON SCORE 3 + 4 = 7) INVOLVING 100% OF THE SPECIMEN (1 OF 1 CORES CONTAIN CANCER). GLEASON PATTERN 4 COMPRISES 60% OF THE CANCER. CANCER LENGTH 2 cm.
- (B1) Right Mid: ADENOCARCINOMA (GLEASON SCORE 4 + 4 = 8) INVOLVING 100% OF THE SPECIMEN (1 OF 1 CORES CONTAIN CANCER). CANCER LENGTH 1.5 cm.
- (C1) Right Base: ADENOCARCINOMA (GLEASON SCORE 4 + 3 = 7) INVOLVING 100% OF THE SPECIMEN (1 OF 1 CORES CONTAIN CANCER). GLEASON PATTERN 4 COMPRISES 80% OF THE CANCER. CANCER LENGTH 1.7 cm.

Feb 24, 2010 11:02 PM 6045451917 To: 12096345955 Page 3/5

Dennis Hill

118271

BL10-0104-0001298

- (D1) Left Apex: ADENOCARCINOMA (GLEASON SCORE 4 + 3 = 7) INVOLVING 35% OF THE SPECIMEN (1 OF 1 CORES CONTAIN CANCER). GLEASON PATTERN 4 COMPRISES 80% OF THE CANCER. CANCER LENGTH 0.6 cm.
- (E1) Left Mid: ADENOCARCINOMA (GLEASON SCORE 4 + 3 = 7) INVOLVING 65% OF THE SPECIMEN (1 OF 1 CORES CONTAIN CANCER). GLEASON PATTERN 4 COMPRISES 85% OF THE CANCER. CANCER LENGTH 1.3 cm.
- (F1) Left Base: ADENOCARCINOMA (GLEASON SCORE 4 + 3 = 7) INVOLVING 90% OF THE SPECIMEN (1 OF 1 CORES CONTAIN CANCER). GLEASON PATTERN 4 COMPRISES 65% OF THE CANCER. CANCER LENGTH 2.25 cm.


Dr. McNally concurs.

Dennis was stunned to hear this diagnosis after having lived such a healthy life, but given that prostate cancer was prevalent in his family, he knew the possibility had always existed. Prior experience in cancer research made Dennis want to avoid the traditional routes of chemotherapy, radiation, or surgery, given the likely painful side effects. He began to research alternative methods of cancer treatment, and learned about cannabis oil. As he researched further, he decided this was the path for him. Dennis' treatment journal, starting on July 8, 2010, is recorded online (<https://dl.dropboxusercontent.com/u/27713298/Web/cure/Treatment.html>).

Prior to the first entry, Dennis had been consuming cannabis-infused butter, as he had not acquired full-strength oil yet. After procuring such oil, his condition steadily improved, until a prostate biopsy was taken on January 25, 2011 to determine if the cancer was going into remission. On February

8, 2011, Dennis received the news that he was cancer free (<https://dl.dropboxusercontent.com/u/27713298/Web/cure/Cured.html>). The only pharmaceutical-type treatment Dennis received through this period was three injections of Lupron, an androgen antagonist which can potentially slow the rate of cancer growth. However, it does not attack cancer cells directly.

FINAL for HILL, DENNIS (S2011-001000)

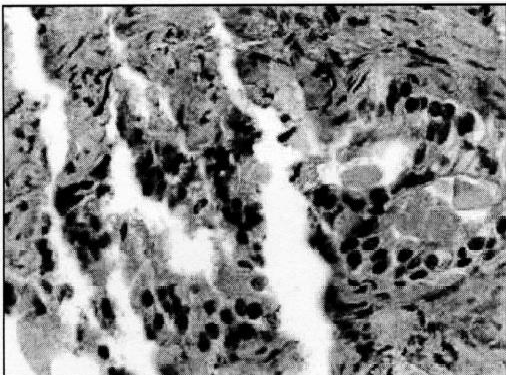


118271

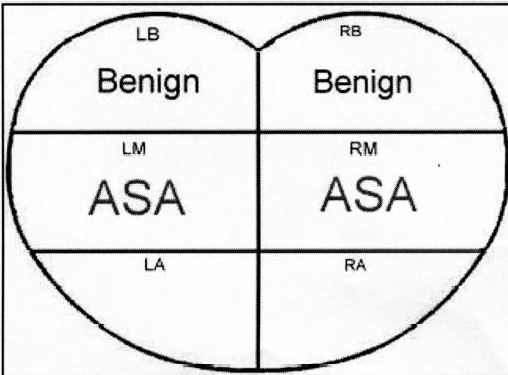
C. H. Park, M.D., Lab Director
 C.F. Galang, M.D., Co-Director
 Y. S. Park, M.D., Pathologist
 H. Xu, M.D., Ph.D., Pathologist
 K. L. Cooper, M.D., Pathologist
 G. Sharma, M.D., Pathologist

812 Huron Road Suite 520, Cleveland, Ohio 44115 Office: 216-861-5846 Fax: 216-861-1720 Toll Free: 800-527-6446 www.OncoDiagnostic.com

<p>Account Name & Address M-00104L*SV DR. ALEXANDER LIU 1541 FLORIDA AVENUE, SUITE 100 MODESTO, CA 95350 Phone: (209) 577-3388 Fax: 12095214360</p>	<p>Patient Name: HILL, DENNIS Case Number: ██████████ Date of Birth: ██████████ Age: ██████████ Collection Date: 01 25 2011 Received Date: 01 26 2011</p>
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RM: Atypical small acini



Diagnosis summary

PROSTATE DIAGNOSIS

Site	Diagnosis	Site	Diagnosis
LM:	ATYPICAL SMALL ACINI WITH MARKED DRYING ARTIFACT (SEE COMMENT).	RM:	ATYPICAL SMALL ACINI WITH MARKED DRYING ARTIFACT (SEE COMMENT).
LB: JB/GS/pp	BENIGN PROSTATIC TISSUE.	RB:	BENIGN PROSTATIC TISSUE.

Dennis also appeared on a program called "Spiral Up with Ava Marie" to tell his story (<http://www.youtube.com/watch?v=Q7ytJu4Zcrk>).



In early 2012, a rising PSA score indicated his cancer had returned. However, his PSA returned to normal within three months of restarting the cannabis therapy. Dennis continues to take a maintenance dose of cannabis oil and has integrated cancer-fighting foods into his diet to ensure he stays healthy.

Dusty Frank, a local musician, was diagnosed with prostate cancer in October 2013 (<http://www.cureyourowncancer.org/dusty-franks-story-beating-prostate-cancer-with-cannabis-oil.html>). The traditional options he was presented with were not preferable due to negative side effects, and Dusty wanted an alternative. He quickly learned about cannabis oil, and extracted his own from raw cannabis. Although his doctors advised against the treatment and Dusty himself had doubts about the oil's efficacy, he went ahead with a three month regimen. On January 23, 2014, a Tesla 3 MRI report stated there were no longer any signs of cancer (medical documentation found at link above). Perhaps even more remarkable than the cancer remission were all the other side benefits. Blood pressure normalized and relevant medications were discontinued. An inflamed big toe joint normalized. Rectal bleeding, chronic spinal pain, shoulder and neck pain, and chronic insomnia were resolved. Sinus problems, including post nasal drip, resolved. Depression resolved. Several of these issues had plagued Dusty for well over a decade. Furthermore, at least eight pharmaceutical medications have been replaced with cannabis extract medicine, and the only pill Dusty takes now is a single multi-vitamin.



Dusty also shared his story on YouTube (<https://www.youtube.com/watch?v=SGPTXq6dZHg>). He intimately described his experience, which represents what most patients who use this medicine go through. Interestingly enough, if Dusty had not begun seeing other remarkable benefits from cannabis extracts mere days into his therapy, he may have stopped out of skepticism.



A September 18, 2013 article from The Telegram reported Paul Morrissey's experience with Stage IV prostate cancer (<http://www.thetelegram.com/News/Local/2013-09-14/article-3389532/Man-convincing-marijuana-oil-will-cure-his-cancer/1>). He had put off medical treatments for about a year while trying to source cannabis oil. During this time, the cancer began spreading to his back and lymph nodes. At some point early in his battle, he used a pill medication for about a month and an injection prescribed by his oncologist, but refused conventional chemotherapy or radiation (<http://www.thetelegram.com/News/Local/2014-01-18/article-3581246/Man-says-hemp-oil-is-beating-his-cancer/1>). Paul discontinued the pills and injections after acquiring cannabis oil and experiencing its profound benefits. He said his prostate-specific antigen (PSA) levels (a marker of prostate cancer) plummeted after six weeks of cannabis oil ingestion.

Dr. Randy Hart, Paul's physician, confirmed that his PSA levels had dropped substantially, from 29.5 to 3.3. Some regression in his lymph nodes and abdomen was also observed. Dr. Hart said there was a "major improvement in his situation," and Paul had a "really good response." He also cautioned that there was no way to be certain cannabis oil was responsible for his recovery, as the conventional medication may have contributed to his lower PSA levels.

However, Paul credits the cannabis oil with the majority of his recovery. "It makes me feel 20 years younger, that's what the marijuana oil does," said Paul. He also remarked on how he was able to shovel snow for three hours during a recent blizzard. "There was pretty ferocious wind and snow. I came out of it looking like a walking popsicle. However after all that work and so forth I was in excellent condition. Even without cancer, I wouldn't suspect I'd last that long or do that well."

Adding to the likelihood that cannabis oil worked for Paul is a January 14, 2015 article, which shared Paul's continued wellness (<http://www.thetelegram.com/News/Local/2015-01-14/article-4006300/Marijuana-oil-advocate-still-hopes-for-clinical-trials/1>). He is still only using cannabis oil and has become a major advocate for clinical trials.



Mykayla Comstock, a child patient, has attracted significant attention related to her battle with cancer. In July 2012, Mykayla was diagnosed with T-cell acute lymphoblastic leukemia. Feeling sick throughout May was the chief sign that something in Mykayla was wrong. The child's mother, Erin Purchase, immediately procured a legal recommendation for cannabis. Mykayla began chemotherapy on July 17th, 2012. According to a local ABC News article, "'At first, Mykayla wasn't responding well to her treatment, and doctors said she might need a bone marrow transplant. Then she started taking the cannabis oil pills', her mother said. By early August, Mykayla was in remission and the transplant was no longer necessary" (<http://abcnews.go.com/Health/medical-marijuana-year-sparks-controversy/story?id=17814636>). Erin also noted that with cannabis oil, Mykayla was able to avoid using traditional pain or nausea pills, and has not lost a single pound since diagnosis. By August 6th, less than a month after starting traditional therapy, Mykayla was in remission. She is required by the medical system to undergo two-and-a-half to three more years of chemotherapy to be certain the cancer is gone. Nonetheless, the rapid disappearance of cancer from Mykayla's blood and the lack of side effects from chemotherapy are astounding facts. Even for an adult, chemotherapy usually produces intense side effects – for a child, such effects are often much worse. More information about Mykayla's experience can be found here: <http://www.bravemykayla.com/her-treatment.html>



As of February 2014, Mykayla continues to do very well, and has been increasingly featured in the media. One such interview on Vice.com has received almost two million views (<http://www.youtube.com/watch?v=TXKjRkkolOU>). The interview also featured Stoney Girl Gardens and the work of Frankie and Erin Wallace, who are discussed later.



Erin Purchase was prompted to use cannabis oil to help treat Mykayla's cancer because of the experience of another child patient, Cash Hyde. Cash's story has been covered by several news outlets and his history was deeply explored in the documentary *American Drug War 2: Cannabis Destiny*. There was also a June 9, 2014 *Vice* article about Cash's experience, along with analysis of other patients and doctors in this field (<http://www.vice.com/read/desperately-seeking-cbd>).

On May 3, 2010, Cash was diagnosed with a Stage IV brain tumor. On May 5th, surgery was performed, and high-dose chemotherapy began. The Hydes, Mike and Kalli, were told that even with

bone marrow transplants, Cash had an 80% chance of dying. The combination of chemotherapy and other pharmaceuticals resulted in a 2-week ICU stay, where the Hydes were warned of possible organ failure and brain failure. As the documentary graphically depicts, Cash's state was mortally severe, and it is frankly stunning how he was able to survive for so long through so much.



In their search to find some way to help their son, the Hydes discovered stories of cannabis oil healing cancer. The day of this discovery, they managed to acquire oil, and Mike immediately began sneaking it into Cash's feeding tube without the doctors knowing. Almost instantly, Cash started to drastically improve. Within two weeks, he was able to get off eight medications, and he started to eat and laugh again. His quality of life changed completely for the better. Cash was released from the ICU in mid-December 2010. His parents began teaching him how to crawl and walk again, as his motor skills had markedly decreased as a result of the cancer ordeal. In January 2011, brain scans revealed Cash was cancer free. After the scans, Mike revealed to the doctors that he had been secretly feeding Cash cannabis oil. The doctors were speechless, and then attributed the healing to prayers rather than cannabis oil. As Mike said, "I believe in prayers and miracles, but I also believe in numbers, and at the end of the day it adds up."

Nonetheless, hospital staff gathered to witness Cash leaving cancer free, believing they had seen a miracle.



Given the potential for a recurrence, the Hydes continued to provide Cash with cannabis oil after the remission news. However, in March 2011, a series of federal raids on medicinal cannabis suppliers resulted in Cash's oil supply being cut off. They ran out of medicine in June. In October 2011, a scan confirmed the Hydes' worst fear - Cash's cancer had returned. They could not reestablish a solid cannabis oil supplier in Montana, and went to California in November 2011 to attempt proton therapy. They also hoped to find a cannabis oil supplier in California, and get Cash restarted on the medicine as soon as possible. Upon arriving in California, doctors reaffirmed a poor prognosis for Cash, and said there was no hope of shrinking the tumor. In December 2011, the Hydes were put in contact with Ringo, a producer who gave them a 90-day supply of cannabis oil for free. With the combination of proton therapy and cannabis oil, Cash went into remission for a second time in January 2012. Mike remarked that Cash was the first cancer patient to go through 30 rounds of proton radiation treatment without using any nausea or pain medication besides cannabis oil.

After running out of oil, the Hydes again were not able to find a sustainable supply. And again, in July 2012, Cash's cancer returned for the third and final time. This third fight was ultimately too much for a child so young, and Cash passed away November 14, 2012 in Mike's arms, a final moment the Hydes are thankful for. Had he died in the hospital while under the influence of several powerful pharmaceutical drugs, the passing surely would not have been as peaceful. To share Cash's story and information about the healing effects of cannabis oil, the Hydes started the Cash Hyde Foundation (<http://www.cashhydefoundation.com>).

In the November 2013 issue of DOPE Magazine, the story of Silas Tedesco was described (http://issuu.com/dlistmagazine/docs/dope_nov13_web). Silas was diagnosed with Precursor B acute lymphoblastic leukemia, and soon began chemotherapy. The treatments were very harsh and caused general sickness, insomnia, and a nearly eight-week period of immobility. Silas’ doctor then recommended high-CBD cannabis oil. As the article concludes,

“After only eight days on cannabis, Silas began to walk, talk, smile and play again. It was a complete turnaround. Silas is now in remission and running around like an average two-year old. His leukemia is in remission and is showing improvements every day.”

 PATIENT OF THE MONTH



**STRENGTH
FOR SILAS**
November's Patient of the Month
WRITTEN BY MICHAEL CONDON JR.

There are several other notable child patients, including Charlotte Figi, Jayden David, and Landon Riddle, who are discussed in the **Doctors and Caregivers** section.

The most dramatic recoveries are those involving terminal cancer - where a patient is told they are going to die, and doctors can offer no further traditional treatment to help. Even in these cases, cannabis oil has proven effective. Corrie Yelland is one such case. Her self-told full story and medical documentation of her experience with terminal anal canal cancer can be found at <http://cannabisnationradio.com/corrie-yelland>. These documents are also directly replicated below for convenience.

Hi, My name's Corrie. I'm 55 years old. In May of 2007, I had a heart attack and subsequently had a double bypass . As a result of the heart surgery, for 4 plus years, I have been plagued with

chronic debilitating pain from a malignant sternum and post sternotomy neuralgia/syndrome. I was ingesting copious amounts of various pain killers 24/7. They barely touched the pain. I spent my days in agony, waiting for evening so I could try to sleep. I took sleeping pills nightly in a futile attempt to escape the hell I was going through and failed miserably. Within 2 hours of taking the pills, I would awake in agony. Fast forward to July of 2011. Already coping with 2 spots of skin cancer on my collar bone, I was stunned when I was diagnosed with Anal Canal Cancer. (This is the same cancer that took Farrah Fawcett's life.) Following 2 surgeries, the doctor told me they did not get all the cancer and I would have to endure a regime of radiation treatments. I started researching what this would entail, and attended a intake meeting at the Cancer Clinic. I was informed that "this is the worst area of of the body to radiate", the radiation beam would hit both my coccyx and pubic bone potentially causing permanent damage."

They would try not to hit my spine.

Additionally, I would suffer 2nd and 3rd degree burns vaginally, rectally, across my buttocks, as well as my entire "nether regions", and there was a "good possibility" both my vagina and rectum would fuse shut from the burns and subsequent scarring. The list of both short and long term side effects was endless and horrendous, but you get the gist. I told the doctor, I needed time to think about it. His response was hostile, as he told me I had 2-4 months, possibly 6. He murmured something about a "death wish" and walked out.

One day someone sent me **Rick Simpson's video, [Run From The Cure](#)**. It took me days to get around to watching it, but when I did I was blown away. Here was this man, a seemingly super straight small town Nova Scotian, talking about these amazing results he had seen with in himself and other people taking Cannabis and curing themselves of a myriad of diseases including end stage cancers. After hearing what Rick had to say, and watching the testimonials in the video, I was feeling some hope for the first time. For 2 weeks I did nothing but research cannabis as a medicine. I was stunned by the sheer number of studies on Pub Med indicating that cannabis indeed has the capacity to heal. I started using cannabis 2 months ago as per Rick Simpson's protocol from his video. (He recommends starting out small, and slowly upping the dose so ones' body becomes accustomed to it, without being high constantly. As a person who hasn't smoked pot since my late teens, early 20's, the non high aspect appealed to me).

I had huge hopes to cure my cancer, and embarked on my fight to live. As well as ingesting the cannabis oil, I topically applied it to 2 spots of skin cancer on my collar bone. Within 48 hours, there were visible changes. In just over a week, the 2 spots were completely gone. Elated, I continued ingesting the oil, in hopes it would work on the other cancer attacking my body. Nothing prepared me for what happened next. About 2 weeks into my regime, the pain in my sternum, as well as the nerve pain had become almost non existent. You have to understand, I had resigned myself to a life sentence of pain and agony. It had been 4 years of pain that was with me 24/7 and never, in my wildest dreams, did I imagine I would be pain free ever again. I was able to stand up straight, the jolting pain so intense that it would cause me to cry out, ceased completely. I started to sleep through the night and stopped taking sleeping pills. I saw one of my doctors a

couple of weeks ago and was thrilled to hear he believes there is a decrease in both the size and number of tumours. I know in my heart it is only a matter of time before I will be completely cured. Even the most skeptical of my friends comment on the visible changes in me. I have evolved from a pain wracked, hunched over, shuffling along individual, to a vibrant, high energy person. Even my complexion has improved. Before I started using cannabis, I typically took 10-15 Tylenol 3 a day, along with a smorgasbord of other drugs. Now, in a 24 hour period, a half a Tylenol 3 is all I need. I think it's understandable when I say I get very emotional when I think of how far I've come. Not only has cannabis changed my life, it is SAVING my life.

P.S. When researching, I met a woman in Texas diagnosed with the same cancer that I have. Diagnosed at the same time, we felt fortunate to have found each other, as we were identical in every aspect. I. E. same age, same diagnostic procedure, same stage of the cancer with radiation recommended as treatment. She chose to have the radiation. I'm very sad to tell you she died 2 weeks ago, as a result of infection from radiation burns. She left behind a husband and 12 year old daughter.

The above was written (March 2012)

I continued ingesting the oil on a daily basis, slowly, ever so slowly increasing the amount I was taking. As well, I began filling gelatin capsules with a mixture of the cannabis oil and olive oil and inserting them rectally. I thought to myself, if the oil worked being applied directly to skin cancers, wounds etc. why wouldn't it work there? Get it closer to the source, get it closer to the problem area. At the end of May, I saw the doctor who first discovered my cancer. I was in the operating room for a non related problem. At the time, I was told he could no longer manually or visually detect any cancer. Elated, for the first time I dared to hope, that maybe, just MAYBE the cannabis oil was working. Because the cancer was not this particular doctor's area of expertise, I was hesitant to become too excited. I was no longer taking any pain killers and found myself thinking that if all the cannabis did was to hold it at bay, I would consider myself lucky. On September 20, 2012, I saw my specialist/surgeon, whom I had not seen for approximately 6 months. He examined me once, then a second time, and then a third time. My heart was pounding so loudly I could hear the whooshing in my ears. And then the news I had only dared to hope for. "It's gone! I can't find anything at all. If it wasn't for the scar tissue I would never have known you had ever had cancer." I was shaking, looking at him in disbelief. Tears streaming down my face, I hugged him mumbling, "thank you, thank you." He looked at me, "No, Thank YOU! You're the one that did this. You DID it Corrie! You pulled it off, you pulled it off! No doctor, CANNABIS OIL and I pulled it off!

I received confirmation that the cancer is well and truly 100% confirmed to be gone.

Doc. 1 is when I was first diagnosed. The doctor's explained to me that my tumours looked like cauliflowers. They had cut off the heads of these "cauliflowers" and now what was left and could

be seen with the naked eye were stems and then of course roots. I had these both internally and externally. This is when I was told I would require radiation.

Doc. 2 is my report to my GP from the specialist when I first saw him after not having seen him for a year. The report is results of what he could see, (or should I say NOT see :-) This is the visit where he examined me 3 times, because he couldn't believe he couldn't find anything. :-)

Doc. 3 is the result of my biopsy from approx. 14 mos. after the start of cannabis oil treatment.

Document 1



Name: [REDACTED]
MRN: [REDACTED]
ENC#: [REDACTED]
DOB: [REDACTED]
GENDER: Female
PHN: [REDACTED]

Histopathology Report

Royal Jubilee Hospital
Case Number: VS11 [REDACTED]

Source of Specimen

A: Anal canal biopsy

Collection Date and Time: 29-Jun-2011 13:20
Received Date and Time: 30-Jun-2011 07:19

Clinical History

Ca anal canal. Possible perianal cancer.

DIAGNOSIS

A. Anal canal biopsy:
Squamous cell carcinoma in situ
Margins focally involved

Electronically Signed By: Dr. [REDACTED] 250 [REDACTED]
Date Reported: 05-Jul-2011

Microscopic Description

Almost the entire lesion is covered by squamous cell carcinoma in situ with human papilloma virus features. There is no invasion. In 3 of the slices lesion focally involves the cauterized margin of excision but most of the margin is narrowly clear.

Gross Description

A. Anal canal biopsy:
The specimen is labeled with the patient's name and "possible perianal cancer". Please note, the specimen was initially received fresh. Received is an ellipse of skin that is not oriented. It is 2.6 x 2.3 x 0.5 cm in depth. Occupying almost the entire surface is a polypoid pale scaly lesion that extends to a height of 0.2 cm. It is within less than 0.1 cm of the margin at several points. The excision margin is inked black. The specimen is then serially cross sectioned and completely submitted in five cassettes.

END OF REPORT

Pl. Loc: Victoria General - Acute Care
Print Date: 11-Jul-2011
Print Time: 12:25
Discharge Date: 29-Jun-2011
EHR Printed Copy
Page 1 of 1

Dr. [REDACTED] Family Medicine - CCFP MSP [REDACTED] Victoria, BC, [REDACTED] P: 250-[REDACTED] 250-[REDACTED]	Corri [REDACTED] Victoria, BC, CAN [REDACTED] date of birth : [REDACTED] home phone : [REDACTED] sex : Female work phone : [REDACTED] other phone : [REDACTED] PHN [REDACTED]
--	---

September 20, 2012

Dear [REDACTED],

Thank you very much for having me see Ms. [REDACTED] in the office today. It has been over a year since I saw her. Ms. [REDACTED] had a squamous cell carcinoma which we excised. This has healed up very nicely. She tells me she has been cannabis oils for her cancer treatment. She declined radiotherapy. She feels she is healed up completely.

She is otherwise eating and drinking well, her weight is stable and she has no other issues or concerns.

On examination today she has the scar area where we excised the tissue and no other abnormalities. She does have a bit of hemorrhoidal tissue which is not unexpected. There is no evidence of any heaping up, ulcerated or wart like growths. On proctosigmoidoscopy the higher mucosa all looks normal.

My impression is she has probably healed up very nicely. My recommendation is we do random biopsies of the area to make sure there is no recurrence there. If I hadn't known she had previous squamous cell carcinoma of the area I would have said the tissue looks normal. Thank you very much for having her see me. We have arranged for her to have random biopsies of the anal canal under general anaesthetic.

Sincerely,

Dictated but not read

Dr. [REDACTED] MD, CM, FRCSC

Chart
Appointment
Telephone
File
K

Entered [REDACTED] Sep 24, 2012

Investigation Results		Approved by: [redacted] @ 17-Oct-2012 04:49PM	
Printed on:	29-Oct-2012 01:34PM	Page 1	
Patient:	[redacted]	Report No:	12-284-[redacted]
PHN:	90-[redacted]	Phone:	(250)-[redacted]
		Report by:	VIHA
Age:	56	Sex:	F
DOB:	[redacted]	Patient ID:	50-[redacted]
Collected on:	10-Oct-2012 10:28AM	Reported on:	16-Oct-2012 01:39PM
Ordered by:	[redacted]		
Copy To:	[redacted], VIHA VIHA RECONCILIATION		

Royal Jubilee Hospital
Case Number: VS [redacted]

Clinical History

Perianal dysplastic skin.
 Biopsy of skin/anal canal.

DIAGNOSIS

- A. Anal margin #1, biopsy:
Negative for high grade dysplasia or carcinoma.
- B. Perianal, right side, biopsy:
Negative for high grade dysplasia or carcinoma (see Comment).

Electronically Signed By: Dr. [redacted]
 Date Reported: 16-Oct-2012

Comment

B. Immunostains are confirmatory.

Gross Description

A. Anal canal biopsy, margin, #1:
 The specimen container is labeled with the patient's name and "anal margin #1".
 Received is a thin strip of skin 2.3 x 0.3 cm in surface dimensions.
 It is excised to a depth of 0.8 cm.
 The skin surface is mottled beige brown throughout.
No distinct lesions are identified.
 The excision margin is inked black.
 Submitted as is in one cassette.

B. Skin, perianal, right side:
 The specimen container is labeled with the patient's name and "perianal R side".
 Number of pieces: 1 punch
 Dimension: diameter 0.4 cm x length 0.5 cm
 Subcutaneous fat: Absent
 Submitted in one cassette(s), complete.

Source of Specimen

- A: Anal canal biopsy, margin, #1
- B: Skin, perianal, right side



Below is a picture of Corrie with Dr. Raphael Mechoulam, the father of cannabis research, from June 2014.



Another notable terminal cancer survivor is Joanne Crowther, who directly provided the author of this report with her full story and medical documentation. Joanne spoke on the steps of the Vancouver Art Gallery on August 25, 2013 to tell others of her experience. She is extremely passionate about making cannabis extract medicine available to everyone.




Joanne was diagnosed with large B-cell lymphoma in summer 2009. The lymphoma was eliminated with chemotherapy in February 2010. The treatment caused significant nausea, vomiting, febrile neutropenia (fever resulting from abnormally low white blood cell count), and pneumonia requiring hospitalization. In March 2010, a brain MRI revealed several cancerous lesions. These were resolved by April 2010 with whole brain radiation, as indicated by a post-treatment MRI.

For a year-and-a-half, Joanne was doing very well, even participating in a half-marathon. However, in November 2011, a mass developed in her left thigh. Doctors removed the 3.2 x 2.5cm mass, and determined it was consistent with diffuse large B-cell intravascular lymphoma. The removal of this mass did not eliminate the lymphoma. In early January 2012, Joanne began receiving medications to treat complications of the cancer. Furthermore, another head CT scan revealed a 6mm cancer lesion in the left superior pons. The test also confirmed resolution of the previous lesions in the right thalamus and basal ganglia. Shortly after the 3.2 x 2.5cm mass excision, Joanne noticed regrowth of some mass in the same area. She received five shots of radiation in January for the new growth.

More scans in February 2012 revealed new adrenal cancerous nodules. Joanne began taking the chemotherapy drugs cisplatin and cytarabine to combat the cancers. She was then hospitalized between April 23rd, 2012 and May 3rd, 2012 due to acute renal failure and hepatitis, which had been induced by cisplatin and cytarabine respectively. The complications permanently ended Joanne's chemotherapy regiment, with chemotherapy stopping in late April. Joanne was then diagnosed with relapsed intravascular diffuse large B-cell lymphoma, and leptomeningeal disease.

Without the strength to endure more chemotherapy or radiation, doctors could do nothing more, and Joanne was forced to try an alternative treatment. In early May, she began taking cannabis oil. She started off with small rice-grain sized doses, but after a week felt no effects. She then upped her dosage to a gram of oil a day, and within two weeks noticed beneficial effects – in general, feeling better and having more appetite. On July 30, 2012, Joanne had a follow-up examination. The documentation resulting from the examination is below. It describes how Joanne is doing much better since being off chemotherapy, and that the left thigh mass “actually regressed spontaneously.”

 **BC Cancer Agency**
Vancouver Centre

CROWTHER, Miss. Joanne [REDACTED] [REDACTED]

[REDACTED]

30 July 2012

Performance status 2.

Diagnosis
A history of relapsed intravascular lymphoma with CNS and soft tissue involvement status post DHAP for 3 cycles.

Joanne returns in follow today. She is doing remarkably well since being off chemotherapy with continued improvement everyday. The previously described mass in her left thigh actually regressed spontaneously. Her left facial palsy has improved and there is still some asymmetry. She has not had any recurrent diplopia. She further denies any headache and her only complaint is occasional back pain, but indicates that this predated her lymphoma diagnosis.

On examination, she looks extremely well. No distress. Extraocular eye movements are full. There is still persistent left lower facial weakness perhaps slightly improved. There is no peripheral adenopathy. Chest is clear. Abdominal exam is benign, no masses or organomegaly. Examination of her left thigh reveals some thickening under the prior scar but the previously described mass has regressed.

Laboratory work shows a white cell count of 6.7, hemoglobin 116, platelets 129, creatinine of 147, LDH of 207.

Assessment and Plan
Joanne appears to be in remission. It is of interest that the apparent recurrence in her left thigh appears to have regressed. At any rate, she is doing much better off chemotherapy and we will continue to follow her. She will be seen back in 2 months' time for review. Of note, Joanne has indicated that she is going to see a naturopath and has requested her records and I directed her to Medical Records today.

K. Savage, MD, FRCPC
Medical Oncologist
Kerrand Oncology

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Another exam from September 24, 2012 states Joanne is now in remission. The report also notes that she had been taking regular hemp oil supplements (referring to cannabis oil, not hemp seed oil).



BC Cancer Agency
Vancouver Centre

OCT 17 2012



ISSUE
IDENTITY
ADDRESS

CROWTHER, Miss. Joanne [REDACTED]

[REDACTED]
24 September 2012

Performance Status 1.

DIAGNOSIS

Relapsed intravascular diffuse large B-cell lymphoma with CNS leptomeningeal disease and soft tissue involvement since November 2011.

Status post DHAP for 3 cycles, last one in April 2012 and it was stopped because of liver and renal toxicity as well as requirement for admission and febrile neutropenia.

History of whole brain irradiation in April 2010 and also again for the left thigh in June 2012.

She is now off chemotherapy and she is on regular follow-ups only with evaluation of her left thigh mass which she is in remission right now.

CLINICAL STATUS

Miss Crowther comes back to the clinic today after being seen in July 2012. She was feeling much better while she has been off chemotherapy and continues to improve. Her last thigh mass, she feels that it has regressed and there are no new masses on her body. Her left facial palsy improved a bit and she says that she can still do some blinking. She has no diplopia and no new weakness or pain. She is not using any pain medications right now. The only thing she is taking is some supplements and naturopath treatment. She is on regular hemp oil supplements.

On examination she looks totally well. She is not distressed. Eye movements are normal. She still has left lower facial weakness. She still can smile but it is still obvious. She has no other lymphadenopathy and her left thigh mass has become very deep and below there is some scar tissue. Chest is clear and abdominal examination is normal. No lower limb edema.

INVESTIGATIONS

Her latest blood work was on September 18, 2012. White blood cell 6.4, hemoglobin 113, and platelets 144. LDH 194, white cells normal and creatinine is stable at 140. Her LFT shows AST of 50, mildly high and gamma GT 190 which is mildly high, but no result for ALT.

ASSESSMENT AND PLAN

Miss Crowther continues to be in remission for the meantime with stable disease. She will continue being off chemotherapy and she will continue to take her naturopath treatment. We

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BC Cancer Agency
Vancouver Centre

OCT 17 2012



CROWTHER, Miss. Joanne [REDACTED]

24 September 2012

will see her again in the outpatient in January 2013 for follow-up and she was instructed to call the office if there are any new symptoms that arose.

Of note, the patient wants to go back to her work again as a secretary and we will prepare the required paperwork she needs.

Waiaa Rajkhan, MD, Resident
For:
K. Savage, MD, FRCPC
Medical Oncologist
Kerrand Oncology

c Dr. DENNIS CHIIN Dr. MICHAEL VARELAS Dr. JOHN YUN HOME CARE -
BURNABY

D 24 Sep 2012
T 12 Oct 2012

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Further documentation of Joanne's final appointments is recorded below. There are a few key things to note. First off, there is an error in the line, "She is taking certain organic oils, which rob her of appetite, according to the patient." Upon inquiry of this odd statement, Joanne informed the author this was an error, and she had actually said it helped her appetite, but for some reason it was incorrectly recorded. A previous document also misstated that she received radiation in June 2012, which did not happen. These documents include the record of Joanne being told she was looking at a palliative situation after abandoning chemotherapy. Finally, and most importantly, they record her clinical remission, with Dr. John W. S. Yun stating, "She made miraculous recovery with stable clinical condition with no further cranial nerve palsy."

FEB 0 1 2013

CONSULTATION

Name of Patient:

CROWTHER, JOANNE

Medical Record Number:

[REDACTED]

Date of Birth:

[REDACTED]

Personal Health Number:

[REDACTED]

John W Yun, MD, FRCPC

cc: BC Cancer Agency (Vanc)
Dennis Chin, MD
Oncology Clinic (R-15)
John W Yun, MD, FRCPC

Date of Consultation:

17/01/2013

Consulting Service:

Onco

Consultation Requested By:

This is a 46-year-old lady who first presented with diffuse intravascular B-cell lymphoma involving kidney. She required high-dose chemotherapy with remission. She has been serially followed. Unfortunately she developed left meningeal disease with cranial nerve palsy including left facial nerve palsy. She requires intrathecal chemotherapy and was transferred to BC Cancer Agency for ongoing care. She received 2 doses of high-dose methotrexate. Unfortunately her clinical course was complicated with acute renal failure, followed by acute hepatitis. She was found to have hepatitis C reactivation. After 2 cycles of methotrexate, it was felt that she could not tolerate it and the chemotherapy. She was told that we are looking at a palliative situation.

Interestingly she has improved. She has no progression in terms of cranial nerve palsy. She has no headache, visual problems. She has slight improvement in the left facial nerve palsy. She is still losing weight gradually. She attributes this to a change in diet, according to the naturopathic doctor recommendations. She is taking certain organic oils, which rob her of appetite, according to the patient.

She has good recovery from acute renal failure. Creatinine clearance is 38 mg/min, normal being greater than 59. She had liver biopsy last week. Consideration for interferon therapy. CBC is 125, white cells normal, platelet count borderline at 140. The rest of the general exam is normal.

She has no palpable mass head and neck, axilla. Chest sounds normal to IPPA. Abdominal examination shows flat abdomen, no palpable mass. There was a concern for nodule on the right chest and this is normal. No other lymphadenopathy.

Report Not Reviewed by Author Prior to Distribution. Corrected Report will be Redistributed if Necessary.

COPY -- SEND TO: Dennis Chin, MD

ASSESSMENT

She is in clinical remission. She is relying heavily on naturopathic medication. She is being considered for interferon, but for now in terms of B-cell lymphoma, things have settled. She has declined further chemotherapy. She will be followed serially clinically with some blood work.

Thanks again for having me involved in this patient's care.

DR. JOHN W.S. YUN INC.

DR. JOHN W.S. YUN, MD, FRCPC
Internal Medicine and Medical Oncology

RICHMOND HEALTH SCIENCES CENTRE
560 - 6091 Gilbert Road, Richmond, BC, V7C 5L9
TEL: 604 273 2747
FAX: 604 214 0602

27 Mar 2013

Dr. Dennis Chin
135-8120 Cook Rd
Richmond BC V6Y 1T9

604-276-2046

Dear Dr. Chin:

RE: Joanne [REDACTED] Crowther

Mrs. Crowther was diagnosed with high grade lymphoma involving bilateral kidney when she presented with FUO and weight loss in September 2009. She underwent 6 cycles of chemotherapy with CHOPR protocol. But she had complication with brain metastasis. She received 2 weeks of radiation therapy to her brain. She is doing well until she presented with cranial nerve palsy including facial drop and hearing loss with diagnosis of leptomeningeal carcinomatosis.

Physical Examination: Appears appropriate for stated age. Head and neck examination is normal without any lymph node enlargement. Chest examination is normal to IPPA. Abdominal examination is normal without any palpable mass. No hepatosplenomegaly. No peripheral edema and rest of general examination is normal and no jaundice. Left thigh mass.

Assessment: She underwent high dose methotrexate and course was complicated with reactivation of hepatitis C. Further chemotherapy was abandoned. But since that time, she made miraculous recovery with stable clinical condition with no further cranial nerve palsy. She has borderline anemia and stable liver function test. She return from Caribbean holiday. Examination today is negative for lymphadenopathy.

Yours Sincerely,

John W. S. Yun, MD, FRCPC

In late January, 2014, Joanne appeared on CBC News speaking about her story and the new Canadian medical marijuana regulations (<http://www.youtube.com/watch?v=PejeP7GFEg0>).



A case close to the cannabis policy reform movement as a whole is that of Michelle Aldrich. Michelle has worked in drug policy reform for several decades and is a well-known figure. Recently, in the Winter/Spring 2013 issue of *O'Shaughnessy's – The Journal of Cannabis in Clinical Practice*, Michelle told her story (<http://www.beyondthc.com/wp-content/uploads/2013/03/Michelle-BTHC.pdf>). Her cancer experience began November 15, 2011, when Michelle missed a lunch appointment because she felt too sick. On November 22nd, Michelle went to the doctor, where she was evaluated by a physician's assistant named Sally Holland. Michelle received a chest x-ray and was given antibiotics for bronchitis, although the following day Sally called Michelle to inform her she had pneumonia. Michelle returned on November 30th, when she was told she had a growth on her right lung.

Over the next couple months, Michelle went to several appointments to determine a solid diagnosis. A CT scan on December 23rd revealed a 23 x 28mm tumor. A growth on the left kidney was also observed. On January 12, 2012, Michelle was notified by Dr. Gary Feldman, her primary care physician, that her cancer was Stage IIIA poorly differentiated non-small cell metastatic adenocarcinoma. Michelle immediately started reaching out to friends for support, and was called by Dr. Donald Abrams, a long-time friend. Dr. Abrams appeared in the documentary *American Drug War 2*, discussed above in the story about Cash Hyde, to talk about medicinal cannabis. Dr. Andrew Weil, also a friend of Michelle, offered her help and support. These people, combined with other referred oncologists, were Michelle's "dream team".

In mid-January, Michelle spoke with Jeannie Herer, widow of the late Jack Herer, one of the most well-known cannabis activists in history. Towards the end of his life, Jack had actually become a major supporter of Rick Simpson. Jeannie told Michelle to begin using "Rick Simpson oil" to assist with treatment. Michelle acquired an extract from Valerie Corral, founder of the Wo/Men's Alliance for Medical Marijuana. Valerie calls her medicine "Milagro oil", with milagro being Spanish for miracle. Michelle received the first batch of milagro oil on January 21, 2012. Three days later, a PET scan showed Michelle's tumor had grown to 30 x 31mm, which could have either been a "better picture" or the tumor had really grown. After a January 25th endobronchoscopic ultrasound fine-needle aspiration biopsy, the final diagnosis was "Stage 3A poorly differentiated non-small cell metastatic adenocarcinoma of the right lung with bulky lymph node involvement." At least three of the lymph nodes were cancerous as well.

On February 1st, Michelle had her final test, a colonoscopy, in which three polyps were removed, and an inflammatory colon issue known as diverticulitis was also identified. Michelle then progressed through treatment with a combination of chemotherapy and milagro oil. She initially diluted the cannabis oil with hempseed oil, until eventually she was taking pure, unadulterated cannabis oil. She had four chemotherapy sessions, the last of which was April 5, 2012. She finished her cannabis oil treatment on May 16th.

Throughout her treatment, Michelle experienced complications from chemotherapy, such as nausea and food tasting strange. Eventually, even drinking water burned her mouth. It was not until the beginning of July that she could eat properly again. Thankfully, an April 17th CT scan showed the tumor had reduced 50%, and the lymph nodes were significantly reduced as well. The scan also showed the diverticulitis had disappeared. As Michelle stated, "Chemo does not touch diverticulitis... it had to be the oil that healed it."

On May 10th, Michelle received a PET scan, which reported “virtually complete resolution of the tumor”. On May 18th, Michelle’s surgeon, Dr. Peter Anastassiou, removed six lymph nodes and the 2.5cm remains of the tumor, which actually was just dead cancer tissue. Michelle further endured complications from the surgery and had to remain in the hospital, but was finally discharged May 31st. Michelle reports that in a conversation with Dr. Anastassiou, he said he had “never seen lung cancer totally eradicated by chemo, much less in four months.” Michelle believes it was cannabis oil that made the difference. Throughout June, Michelle recovered from her ordeal, and in July she began to steadily recover energy and appetite. Michelle finished the article with the following statement: “I truly believe that if it wasn’t for Valerie and the oil I would not be alive today. Every day I read about people dying of cancer and I know I was able to heal my body of cancer. Why is this health-giving plant not available to everyone? People should not have to go through the suffering that cancer brings. We need to get this information out to the world. Cannabis is a healing plant and can even heal cancer if we let it.”

An interview with Michelle about her experience can be found here:

<http://www.youtube.com/watch?v=9AZU-brG7i4>



Mark Pedersen of Cannabis Patient Network recorded an experience with Jeremy Kigar, a hospital dietician (<https://www.youtube.com/watch?v=CJ-V-2RvSr8>). Jeremy discussed his experience taking cannabis oil for a Grade IV astrocytoma (glioblastoma) of the cerebellum. Following his diagnosis, Jeremy was quickly started on 16 medications, including antibiotics, antidepressants, narcotics, and more. After learning about cannabis oil, Jeremy started taking a half gram per day for three weeks. Within five days, significant changes occurred in his overall wellness. He reduced pharmaceutical medications tremendously, including eradication of opiates and antidepressants. Jeremy denied further chemotherapy and used cannabis oil in 90-day cycles, which controlled his cancer. It was only after beginning THC-rich cannabis oil that Jeremy’s tumor began to shrink. At the time of filming, the tumor has reduced from Grade IV to Grade II.



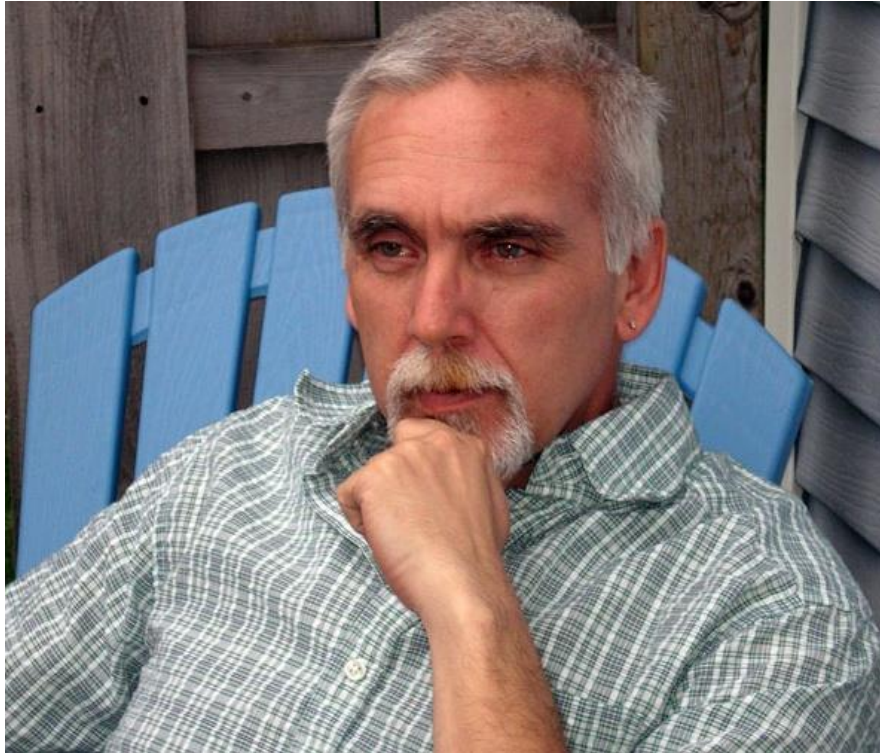
A video featuring Clark French, an activist with NORML UK, describes how cannabis oil made a massive difference to his multiple sclerosis (<http://www.youtube.com/watch?v=kdI8sGPia5s>). He went to California for four-and-a-half months, where he obtained a medicinal cannabis recommendation and began taking cannabis oil. The treatment was incredibly effective – he no longer needs a walking stick and feels so much better than before.



In January 2014, Clark appeared on Sky News, a UK news organization, to discuss cannabis legalization. He continues to use cannabis as his only medication and continues to be independent of wheelchairs and walking sticks (<http://www.youtube.com/watch?v=6dU5mRirYUw>).

Another MS patient, Marcel Gignac, used cannabis extracts to recover almost completely (<http://medireview.com/2014/01/why-ms-patient-marcel-gignac-needs-30-grams-of-medical-marijuana-every-day>). His form of the disease was especially severe, and Marcel endured hundreds of medical tests trying to get an official diagnosis. From 2008 to 2013, his condition continued to worsen,

although smoking cannabis and surgery helped briefly. At one point, doctors said he wouldn't last until Christmas 2011. He survived well past that point, and in March 2013 decided to increase his cannabis intake instead of taking more narcotics. This increase consisted of taking a mixture of hemp seed oil with pure cannabis extract and liquid Vitamin D, which quickly resulted in his condition improving. To the present, he continues to get better. As the article states, "Even when every doctor told him he would not survive, Gignac defied the odds thanks to marijuana. Now he wants everyone to know his story." Marcel is also studying Neuropharmacology at MIT to learn more about the science of cannabinoids at the cellular level.



An ALS patient named Cathy Jordan used cannabis to significantly outlive her doctors' predictions and even several of the doctors themselves (<http://www.examiner.com/article/medical-cannabis-helps-als-patient-outlive-her-own-doctors>). In 1986, Cathy was diagnosed with ALS and given 3-5 years to live. Shortly after diagnosis she began using cannabis procured directly from a Florida grower, which seemed to effectively control her condition. The author met Cathy at the Eighth National Clinical Conference on Cannabis Therapeutics in May 2014. She looked healthy, alive, and did not seem sick except for needing a wheelchair. Cathy originally treated herself via smoking cannabis, but it is unknown whether she has since implemented some kind of extract protocol. In any case, the results are truly remarkable.



Peter Germain recounted his powerful experience of overcoming Type II diabetes and obesity with the use of cannabis oil in an August 2012 video (<http://www.youtube.com/watch?v=2v76PwzYr3w>). His transformation was remarkable. Within a year, his diabetes and weight were completely under control.



In a February 11, 2013 video, Amy Jo Clark gave a speech on how well cannabis oil helped her (<https://www.youtube.com/watch?v=UqxLLJ2JC04>). She had been diagnosed with a brain tumor, and managed it well for awhile with conventional treatment. At the time of filming, Amy stated she had abnormal bloodwork for two years, which reflected the presence of the tumor. After using cannabis oil for at least four months, as well as improving her nutrition, tests revealed her blood tests were completely normal. At the time of starting the oil, she discontinued all conventional medications, including opiates, which she had been on for seven years. As of June 2015, Amy is doing well, and has become a remarkably strong activist for natural health.



A May 2013 video details Elias Cooper's experience with oil for the treatment of chronic lymphocytic leukemia (https://www.youtube.com/watch?v=HU46L_nKXm). Once diagnosed with CLL, Elias desperately wanted to avoid chemotherapy, as it sounded scary to go through. His doctors said as long as his white blood cell count remained under a certain level, they could postpone chemotherapy. Elias didn't take any special measures to counter the cancer until his white blood cell count got high enough to where chemotherapy was becoming an option. It was then alternative methods were researched, and Elias came upon the story of Brave Mykayla, discussed above. The story was compelling enough for him to try cannabis oil. After three and a half weeks of taking homemade cannabis oil every day, produced by his wife Debra, Elias went to the doctor for a blood test. His white blood cell count had dropped 40,000, which was "life changing news". No other treatments, including chemotherapy or pharmaceuticals, were used. While his case is not completely resolved yet, Elias says he does not see chemotherapy in his future, and it is clear the cannabis oil is having a positive effect.



Elias provided an update on November 17, 2013 (https://www.youtube.com/watch?v=QTPoc_xSlnw). Interestingly, the details of his case correlate strongly with the study in *Case Reports in Oncology* (summarized in the **Overview of Supporting Science** section), which also involved a leukemia patient. As Elias describes, his blood count went up during times he was not using cannabis oil or was using less potent oil, but when he again procured high-quality THC-rich oil, the count fell dramatically. In the journal case, the patient also experienced increases and decreases in cancer cell levels under similar circumstances. For example, when dosing was limited to twice a day, the patient's leukemic blast count rose slightly, but then fell back down sharply after dosing returned to three times a day.



A January 2014 story on a Croatian news station detailed the story of a 38 year old man, referred to as Mark for confidentially reasons, fighting non-small cell lung cancer (<http://www.youtube.com/watch?v=DVTkSKBeET4>). He was given four to six months to live, with a maximum of twelve months if fortunate. Mark initially used chemotherapy and radiation, which left him in a state that "you can not even call human." His face was destroyed, his upper lip swollen, tissue was falling off his fingers, and his skin was overly soft. The pain was especially devastating, and three times a day, Mark thought of killing himself. Despite the barrage of conventional treatments, a further medical check revealed the cancer had doubled. After the news, Mark stopped the treatments and began using cannabis oil. He immediately began feeling better, and earlier pains disappeared. A month into treatment, Mark began spitting out sizable amounts dark matter which was confirmed as cancerous. After three months, the cancer was no longer visible on X-rays.



A July 24, 2014 video describes the remarkable healing of Michael Cutler, a United Kingdom resident (<https://www.youtube.com/watch?v=3rmHZaBMtw>). In 2009, Michael was diagnosed with liver cancer, which was eliminated with a liver transplant. In late 2012, the disease returned, and Michael was sent home to die with “a big bag of morphine.” He was bedridden and strongly disoriented from the morphine. In a moment of clarity, Michael decided he didn’t want to die and began looking for alternatives. He found Rick Simpson on YouTube, and took his advice to make his own oil. After finding a local dealer, he began ingesting the oil. Within three days, Michael stopped using morphine. His doctor was more interested in why he didn’t suffer withdrawals than in the actual use of the cannabis oil. After a couple months of taking the oil, Michael continued to feel better.

There was a scare when Michael apparently began coughing up blood. He went to the doctor, who said it wasn’t blood but he didn’t know what it was. Michael’s wife purchased him a microscope and software package, so he could personally analyze the material. After taking a picture and using the software’s assistance, he was able to find it was dead cancer cells. Michael then returned to the Royal Free Hospital in London in May 2014, where a biopsy determined he no longer had cancer. He had been taking the oil for between three and four months.



Michael spoke about his healing at the launch of United Patients Alliance, a new UK organization dedicated to legalizing medicinal cannabis, on July 17, 2014 (<https://www.youtube.com/watch?v=mKHysXmIcA>). The event was attended by many notable individuals, including United Kingdom Member of Parliament Caroline Lucas, Professor David Nutt, and the executive director of LEAP UK Jason Reed. Clark French, another patient in this report, is also a part of United Patients Alliance and attended the launch event along with hundreds of others.



A story on DailyMail.co.uk, published on July 21, 2014, described Michael's experience (<http://www.dailymail.co.uk/health/article-2699875/I-cured-cancer-CANNABIS-OIL.html>). At this time, it has been shared almost 24,000 times and stimulated articles in numerous other publications. Also featured in the article is a statement from Cancer Research UK, one of the largest cancer organizations in the UK. They are "supporting clinical trials for treating cancer with cannabis extract and a synthetic cannabinoid in order to gather solid data on how best these drugs can be used to benefit people with cancer." This support is major given the organization's historical resistance to cannabis extract therapy, and a sign of the rising genuine interest in cannabis medicine's true potential.

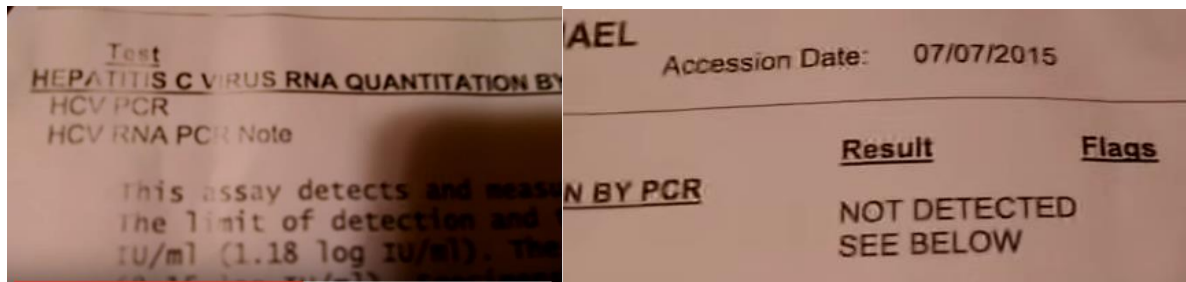
Tragically, Michael passed away on December 3, 2014. United Patients Alliance announced he had developed lung cancer and was unable to procure more cannabis oil (<https://www.facebook.com/unitedpatientsalliance/photos/a.265751686943215.1073741828.264999763685074/331569597028090>). Michael was an amazing man and his spirit will forever live on in the cannabis extract movement.



Michael referred the author to the case of Steve Danks, who also healed himself of terminal liver cancer with cannabis extract therapy. A July 15, 2014 video describes his case (<https://www.youtube.com/watch?v=cAOmHYlxdAM>). Steve contracted hepatitis C in his 20s from a blood transfusion, which eventually led to cirrhosis of the liver and cancer. He went to India and began juicing cannabis. Within 17 days, he felt much better and looked better. After three months he returned home, having improved considerably during his trip. Steve then began taking cannabis oil and apparently stopped juicing. This lasted for a summer. His last medical test over 15 months ago showed no liver cancer, no nodules in the liver, and no scar tissue. Steve insisted his doctor put cannabis use in his medical notes.



Michael Brooks suffered from Hepatitis C for at least two years. He began using cannabis oil in an attempt to eradicate the virus (<https://www.youtube.com/watch?v=n7MNxhpyCTU>). In his video testimony, Michael showed results from a medical test taken on July 7, 2015 which indicated non-detectable amounts of the virus.



A June 5, 2014 article reported the progress of Taylor Rehmeier, a 15-year old patient who had an aggressive brain tumor (http://tdn.com/news/local/article_b2b20ea8-ed02-11e3-8a23-0019bb2963f4.html). Originally diagnosed at 6 years old, the tumor returned three times and radiation only partially shrunk the tumor. In August 2013, it began growing again, and Taylor’s mother Karen turned to cannabis oil. She built up her dosage to one gram a day for three months. The psychoactivity of the medicine was especially intense for Taylor and induced hallucinations, but the maintenance dose she currently takes does not seem to create such effects. “She got an MRI (in May) that said no major abnormalities. The doctors at Seattle Children’s Hospital don’t want to admit it was cannabis, but I don’t care. She’s cancer-free,” said Karen.



Debbie Wilson’s experience with cannabis extracts for multiple traumatic brain injuries illustrates the benefits of cannabinoids for brain healing. Her story is extensively detailed in an article written by the author (<http://www.medicaljane.com/2014/02/24/the-story-of-debbie-wilson-how-cannabis-helped-her-treat-trauma-induced-epilepsy/>). Epilepsy, dementia, migraines, pain, and depression were Debbie’s main symptoms, and for over 20 years she battled these conditions. It was not until 2010 that Debbie found significant relief in smoked medicinal cannabis, which stopped her diarrhea, stabilized her blood sugar and serotonin levels, and reduced her seizures and migraines. Most recently, when Debbie began using high-cannabidiol and THC-acid tincture, her improvements have become even more dramatic,

including cessation of all five types of seizures she experienced before. A recent Facebook post further describes the incredible progress.



Debbie M. Wilson

Yesterday

Dear friends, I have some amazing news. I had mentioned I did better on my neuropsychological than I have in 19 years. I just got the results of my EEG test. For the first time in 23 years, it was NORMAL! It was not what I expected it is so MUCH better! Thank you for celebrating this medical cannabis journey along with me! ❤️

Mario Oriani-Ambrosini, a former Member of Parliament in South Africa, used natural treatments to fight his cancer. Mario was diagnosed with terminal Stage IV lung cancer in May 2013 (<http://www.iol.co.za/news/politics/ill-mp-to-introduce-dagga-bill-1.1649727>). He denied chemotherapy in favor of cannabis oil and bicarbonate of soda, another alternative cancer therapy, after being told he wouldn't make it to Christmas 2013. Mario well-outlived his prognosis and felt generally well throughout. Due to his personal success and his belief that others should have the same opportunity, he introduced a bill legalizing the medicinal and industrial use of cannabis. Mario also wanted to set up a research center for cannabis extracts, to determine the extent of the medicine's effectiveness. Speaking to the National Assembly and President Jacob Zuma, Mario made an impassioned plea to decriminalize medicinal cannabis. "I was touched to see the man I've known and worked with for more than 20 years in this condition. I've asked the minister of health to look into this matter," President Jacob Zuma said (<http://www.iol.co.za/news/politics/zuma-notes-mp-s-call-for-medicinal-dagga-1.1650592>).



A further article about the cannabis extract situation in South Africa opened with a quote from Lindsey Martin, a Cape Town mother who treated herself for colon cancer with oil (<http://www.iol.co.za/news/politics/clamour-for-medical-marijuana-1.1651195>). "There is no doubt about it. My aggressive cancer is gone... the same cancer that was supposed to kill me in months. I am alive today because of cannabis oil." An article on ChrisBeatCancer.com described Lindsey's case in more detail (<http://www.chrisbeatcancer.com/lindsey-cures-colon-cancer-with-cannabis-in-48-days>). Lindsey, a resident of Cape Town, South Africa, was diagnosed with cancer on September 7, 2011. A few weeks later, it was determined to be Stage III colon cancer, with metastases to lymph nodes and one spot on her liver. A tumor in Lindsey's colon was surgically removed, and she was subsequently scheduled for 6 months of chemotherapy for 30 weeks.

The chemotherapy started on October 14, 2011. It took a great toll on her; Lindsey said it "sucked the life out of me." The only times she felt better was when friends brought around cannabis and she was able to smoke some. It enabled her to enjoy food, sleep better, and feel an overall sense of wellness. Lindsey told her doctor, who instructed her to take in as much as she could. On February 15, 2012, halfway through the chemotherapy sessions, Lindsey went in for a CT scan. In addition to chemotherapy, Lindsey was eating an organic vegetarian diet, berry smoothies, brown rice, green foods, and supplements like Vitamin C, green and hemp powders, spirulina, milk thistle, and sodium bicarbonate. Despite everything, her condition had worsened. She had four lesions on her liver, a 2.8cm stone in her gall bladder, and a cyst on her kidney, all of which had been caused by the chemotherapy. At this point, Lindsey decided to stop chemotherapy.

After hearing about the potential of cannabis oil to treat cancer from people on Facebook, Lindsey decided to begin using cannabis therapy, and was able to quickly find cannabis oil in her community. She began with small doses, and ultimately consumed 18 grams of cannabis oil in 46 days. She continued eating a healthy diet and taking greens-rich supplements. On March 28, 2012, Lindsey underwent a range of tests, then met with four doctors who declared she had no sign of any cancer in her body. Lindsey stated, "Lastly, I have to say that my cancer diagnosis was a true blessing ...it facilitated a change within me on every level – emotionally, physically, mentally and spiritually...it formed an unbreakable bond of love and support with my husband. I've become brave and confident in my own power to heal myself...and this is truly the biggest blessing...and I really want to help inspire others to do the same..."

Unfortunately, Lindsey Martin passed on May 28, 2014, from complications caused by bowel surgery. She remained cancer-free at the time of her death, and the surgery was unrelated to cancer. The author and many friends were shocked that Lindsey would pass in this manner after fighting so hard to successfully beat colon cancer. Her spirit lives on in the people she helped and inspired.



An August 26, 2014 article reported that Mario Oriani-Ambrosini had passed away from lung cancer (<http://www.iol.co.za/lifestyle/patients-clamour-for-cannabis-oil-1.1741295>). He credited cannabis oil and sodium bicarbonate with extending his life significantly beyond what was predicted. The article also mentioned Gerd Bader, an MS patient. "I was in a wheelchair for 12 years. I was losing consciousness and was close to death," Gerd said. "Then two years ago, I discovered the oil and I have no more symptoms of MS. I can now even walk a few steps in the mornings."

In a May 18, 2015 article, Gerd stated his belief that cannabis oil ended the worst of his multiple sclerosis episodes, and helped in his transformation from being paraplegic to "walking stronger by the day" (<http://www.health24.com/Medical/Cancer/News/I-used-cannabis-oil-to-cure-my-cancer-20150518>). The article also reported on Kelly McQue, who used cannabis oil, diet, and exercise to beat breast cancer. "I can't say that it was just the cannabis oil that cured the cancer, but I do feel that the speed with which I recovered was due to taking it. It also definitely helped me to heal my post-natal depression [she had recently given birth to her daughter], which was extremely debilitating, and this in turn meant I was mentally strong enough to implement the necessary dietary and exercise changes required," said Kelly.

A personal letter sent from a patient to the blog Medical Marijuana 411 details their experience using Shona Banda's vaporization technique to produce oil and overcome severe symptoms of Crohn's disease (http://medicalmarijuana411.com/mmj411_v3/shona-banda-saved-my-life/). The writer notes there is still more healing to go, and progress seems to have been inhibited by an inability to make larger quantities of oil.

Grow Goddess, who was initially mentioned in this report as being Joe Crowe's caregiver, described how she came to start producing oil and treating patients in a post on HempOilHope.org (<http://hempoilhope.org/viewtopic.php?f=5&t=124>). She mentions Joe's case, as well as a gout patient

who experienced concrete success with only a few doses of oil. Grow Goddess stated, “Another patient I have encountered has severe gout. He took only a few doses of the oil, and the gout literally disappeared from his knuckles. Three months later, without taking any more oil, the gout had not returned to his knuckles and the gout on the rest of his body is still visible, but the swelling was reduced a bit. If he went through the full treatment, I believe the gout would be completely gone.”

A November 2012 post on the forum GrassCity.com detailed a man’s treatment of his wife with self-made cannabis oil for metastatic breast cancer (<http://forum.grasscity.com/medical-marijuana-usage-applications/1130359-tumors-really-shrinking.html>). The wife, given six months to live after abandoning chemotherapy and radiation, began cannabis oil as an alternative. Within three days, she was able to eat again; her excruciating headaches completely disappeared, and she began to look better overall. At the time of the post, another test conducted by the oncologist confirmed the tumors were actually shrinking. Interestingly, the man was given information about “Rick Simpson Oil” from Granny Storm Crow, the individual mentioned above in the **Overview of Supporting Science** section who compiled and organized an extensive list of studies on cannabis.

Another post on GrassCity describes a cannabis oil user’s personal experience along with that of his friend (<http://forum.grasscity.com/medical-marijuana-usage-applications/664504-ingesting-rick-simpsons-hemp-oil.html>). The poster indicated that by consuming a small amount every evening before bed, his sleep improved substantially (which was his original purpose for trying the oil). His energy also sharply elevated. He says he no longer gets high anymore, even with concentrated forms of smoked cannabis. The poster also mentions his friend, who had cancer in his liver and pancreas and was told he had only six months to live. After two months of taking cannabis oil, further tests by his doctor could not find any trace of the cancers.

A post on Natural-News recounts two positive Lyme disease experiences, one with smoked cannabis and another using extracts, the latter of which was clearly more effective (http://www.naturalnews.com/043834_cannabis_lyme_disease_medical_marijuana.html). The first patient, Alexis, was diagnosed with late-stage Lyme disease and prescribed a litany of pharmaceuticals. Given their relative ineffectiveness, she began smoking cannabis, which enabled her to eat more, sleep better, elevate mood, and reduce pain. “In the hospital, I have needed to have morphine or lorazepam through an IV to accomplish what smoking two grams of cannabis does on the comfort of my couch, in a fraction of the time,” said Alexis. The next patient, Shelly White, also had a severe form of Lyme disease which led to at least 10 seizures daily for a year and a half. Through a combination of smoking and vaporizing cannabis, her seizures stopped. Shelly then moved onto ingesting cannabis oil, which resulted in immense benefits after only a month. She returned to work and school, and can now move out on her own and enjoy a normal social life. Two other Lyme disease patients who used cannabis oil successfully, Pamela Baily and Lisa Sikes, are also mentioned, but their cases are not elaborated upon.

On GreenPassion.org, a user told of how well cannabis tincture worked for gastroparesis, a condition that delays emptying of the stomach (<https://www.greenpassion.org/index.php?/topic/24369-tincture-for-gastroparesis-and-digestion-issues/>). This condition, along with a stomach-related seizure disorder, were “helped immensely and instantaneously by using the marijuana tincture.” Another user responded to the thread describing how cannamilk worked well for their case of gastroparesis. On GrassCity.com, a user with a rare form of gastroparesis described how just smoking cannabis makes her digestion almost normal, whereas when

not smoking she cannot keep any fluids down and also has more trouble eating (<http://forum.grasscity.com/medical-marijuana-usage-applications/470168-medicinal-marijuana-gastroparesis.html>).

The incredible story of Stan Rutner, featured on iReadCulture.com on September 6, 2013, describes how he beat lung cancer with metastasis to his brain with cannabis oil (<http://ireadculture.com/2013/09/news/flash/convinced-of-the-cure>). Initially, Stan received chemotherapy and radiation treatments for the cancer. These treatments started in March 2011. Brain radiation ended June 25, 2011, and on July 13 Stan entered the hospital for with radiation pneumonitis (inflammation of the lungs due to radiation therapy). On the last of three hospital visits during this period, Stan was kept for a week and put on oxygen 24/7. The traditional treatments were ineffective.

Stan entered hospice on August 12, and was given less than six months to live. With no other traditional options, the Rutner family looked into alternatives, and found cannabis extracts to be a potential solution. In early November 2011, Stan started taking small doses of cannabis oil-infused coconut oil in the morning. In less than two weeks, he was able to give up the extra oxygen. Stan started gaining weight, sleeping better, and getting stronger. At about the six month point of treatment, he also implemented higher doses of THC-rich oil from Mara Gordon of Aunt Zelda's. Stan continued on this course until January 27, 2013, when a brain MRI revealed the cancer was gone. The lung cancer was gone as well. From being in hospice to being healed, Stan's experience is truly remarkable.



Stan is continuing to do well as of March 2014

(<http://www.unitedpatientsgroup.com/blog/2014/03/20/dads-update-stan-rutner-a-cancer-survivor>).

His daughter, Corinne Malanca, is working with John Malanca as part of United Patients Group (UnitedPatientsGroup.com) to bring this medicine to the world. On November 27th, 2013, a press release titled "Time to Tell the Truth About Cannabis for Kids With Cancer, Says United Patients Group and Cash Hyde Foundation," was published (<http://www.prweb.com/releases/cannabis-kids-cancer/united-patients-group/prweb11374767.htm>). The release announced the launch of a new pediatric cancer awareness initiative. John Malanca stated, "One drop of cannabis oil can give these

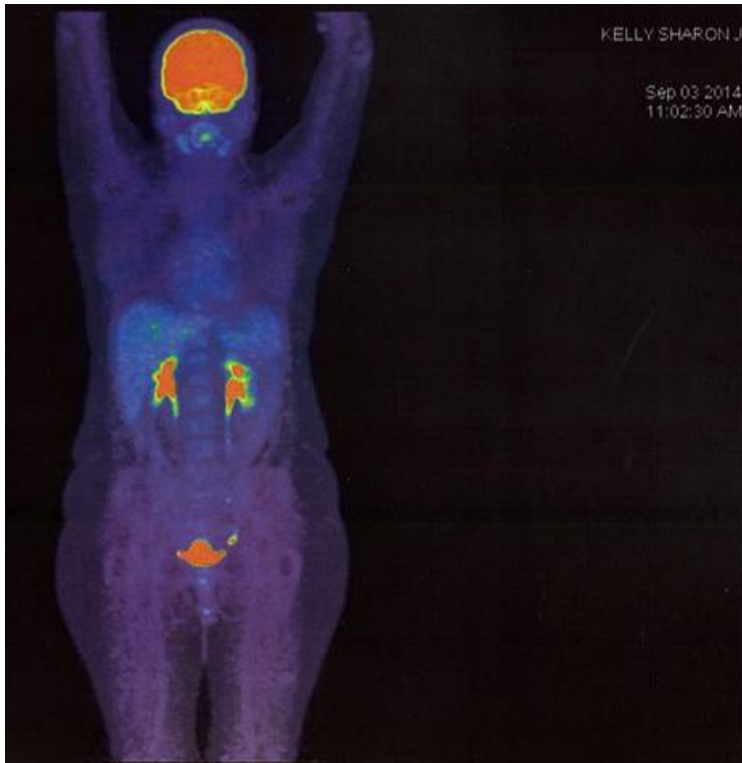
children instant relief from the suffering caused by their condition, and a cannabis regimen can stop the cancer from growing altogether,” John said. “It’s time for facilities and federal entities to accept the truth about cannabis, stop spreading misinformation, and give families a fighting chance. Our phone rings off the hook daily with calls from around the world. Desperate families from the UK, Panama, Pakistan in addition to the U.S. reach out to us in dire need of one last chance.”

On November 1, 2014, United Patients Group held a conference titled, “Medical Cannabis: The Science Behind the Hype” at Dominican University in San Rafael, California (<http://illegallyhealed.com/science-behind-the-hype>). The author attended and met Stan, who looks amazing and is all-around very healthy. Other cancer patients who achieved remission with cannabis were in attendance. One of the speakers, “Amy Bailey” (a pseudonym used as she came from a non-medical state) described her cancer experience. She originally beat cancer conventionally, but it returned in her brain. Amy was inspired by Stan’s experience and replicated his protocol, eventually achieving cancer free status. She passionately thanked Stan from the stage, and it was a truly incredible moment. Several leaders in the medicinal cannabis movement, including Mary Lynn Mathre, Mara Gordon, and Dr. Dustin Sulak, gave remarkably educational presentations about the science and real patient use of cannabis medicines.

Another patient who was inspired by Stan Rutner is Sharon Kelly. The author met Sharon when he spoke at the Inaugural Australian Medicinal Cannabis Symposium, an event described further in the **Doctors and Caregivers** section. She is a truly incredible person and it was very fun and enjoyable to be around her.

Sharon was diagnosed with Stage IV non-small cell lung cancer on January 17, 2014. She had a 5cm tumor in her left lung. At least three lymph nodes were infected and there was a small cancer spot on her left collar bone along with cancer in the lung lining. Her doctors described her situation as terminal, but said chemotherapy could prolong her life by a few months. Life expectancy was between 6 and 9 months. Sharon had two intravenous chemotherapy treatments quickly after diagnosis in January, a 5 hour session and shortly after a 1 hour session. Doctors then determined her cancer was a EGFR-positive mutation, which qualified her for a chemotherapeutic drug called Tarceva. They said this drug could prolong her life, but there was no hope of a cure at this stage.

Sharon learned about cannabis oil as a way of potentially saving her life, rather than just extending it. After doing research, she determined it was right for her. She began cannabis oil in February 2014. At first she only ingested the oil orally, but then also began using it rectally as a means of getting more cannabinoids into her system. In the beginning of treatment, she also juiced raw cannabis leaf. By September 3, 2014, another PET scan showed Sharon was free of cancer. A video of her experience can be found at <https://www.youtube.com/watch?v=-hUoyXKf81c>. Below are scans documenting the presence and absence of cancer.





Below is the author with Sharon and several other attendees of the Australian conference at a dinner held on the first night.



A November 9, 2013 article described the work of Constance Finley (<http://www.medicaljane.com/2013/11/09/success-stories-cannabis-oil-in-the-us>). She was diagnosed with ankylosis spondylitis, which is arthritis of the spine and sacroiliac joints. After pharmaceuticals nearly ended her life, Constance learned that cannabis might be able to help. She learned how to grow cannabis and produce high-quality extracts at Oaksterdam Academy, then began treating herself and

other patients. After using cannabis, Constance's health noticeably improved. An oncologist learned of Constance's work with cancer and referred 26 Stage IV cancer patients to her for treatment. According to Finley, her cannabis oil helped treat the cancer and kept all but one of the patients alive. The author of this report spoke with Finley, who clarified that the patients' oncologists had declared them in remission. She also recounted her ongoing success with treating late-stage cancer patients.

Trevor Smith was diagnosed with Grade III invasive urothelial carcinoma, a type of bladder cancer, in August 2012 (<http://www.dailymail.co.uk/health/article-2725748/Cannabis-oil-helped-cured-cancer-claims-father-given-two-years-live.html>). The author has been in contact with his wife Carol for over six months. She wrote a book called *Taking Control*, which described the process of turning down chemotherapy and surgery in favor of natural healing (<http://www.amazon.com/Taking-Control-Journey-Alternative-Healing-ebook/dp/B00J4FXFG8>). Doctors said that without extensive surgery and chemotherapy, Trevor would die within two years. Carol vigorously researched nutrition and alternative cancer treatments, as the risks associated with the conventional treatments were too high. By using a combination of organic nutrition, many supplements, and cannabis oil, Trevor was able to keep the cancer from spreading, which eventually qualified him for a laser procedure that was far less invasive than surgery. By mid-2013 he was cancer free, and a January 19th, 2014 follow-up confirmed the cancer was gone. Trevor's experience exemplifies the power of integrative medicine and the power of natural therapies.



An October 2015 article in *The Ottawa Herald* discussed the arrest of Terry Rugg, a 64-year-old bladder cancer patient, and alluded to his treatment (http://www.ottawaherald.com/news/local/lawyer-cancer-victim-arrested-for-marijuana-was-using-it-to/article_2f1afa2a-f0dc-5a2d-b36e-0f3a0fd4d7ce.html). Terry had been diagnosed with Stage IV cancer five years before and beat it by conventional means;

however, it returned. According to his wife, he apparently had unnecessary surgery to remove his bladder. "When my husband, Terry, had Stage 4 bladder cancer, we got him the Rick Simpson oil. When they sent his bladder to pathology after removing it, they did not find one trace of the cancer still there. If I'd had the faith in the oil then that I have now, I would have demanded another scan and he would still have his bladder rather than a bag attached to him," said Caren Rugg.

A February 26, 2014 article on a local Fox affiliate reported on a Southwest Florida mom currently using a combination of whole cannabis oil and isolated cannabidiol for her child. Within hours of giving her child both oils, the mother said there was improvement in quality of life (<http://www.jrn.com/fox4now/news/Desperate-South-West-Florida-mom-turns-to-medical-marijuana-247313011.html>). Also mentioned is Dahlia Barnhart, who is using cannabis oil to fight brain cancer. Moriah Barnhart, Dahlia's mother, said it is unfair she had to move to Colorado to use this medicine, but that pain is outweighed by the progress Dahlia has made. She is happier and healthier, and "if she had hair you wouldn't know she was sick." Another Fox article about Dahlia stated she takes about a gram per day of high-CBD oil, and Moriah said, "I saw almost immediate responses cognitively; she developed into a normal 3-year-old from a very critically ill child almost overnight" (<http://www.myfoxtampabay.com/story/24514726/2014/01/22/family-moves-to-colorado-for-medical-marijuana-treatment>).



Spencer Koptis is a young child who was diagnosed with diffuse pilocytic astrocytoma in February 2013, after large tumors on the pineal gland, brain stem, and spine were found in a January doctor's visit. These details and those following are from the author's conversation with Spencer's mother, Suzetta Vonzell. The radiologist gave Spencer two weeks to live without surgery, or two months with it. The radiologist's report said the case was challenging to interpret because Spencer's biopsy tissue showed markers for multiple types of cancers of different grades. In late March, Spencer started the carboplatin and vincristine chemotherapeutic agents, which had horrific side effects, including a near-fatal allergic reaction on May 20th, 2013. In June, Spencer got a legal medicinal cannabis recommendation. His doctors said he was terminal in mid-July, and recommended no further traditional treatment. It was around then Spencer began high-CBD oil (which contained a sizable amount of THC as well), which he used from June until August. The oil has drastically improved Spencer's mobility, and he is even moving

his arms again, which doctors said was impossible because of prior nerve damage. An October 2013 MRI showed reduction in the pineal gland and spine tumors, although other tumors remained stagnant. However, leptomeningial disease in the lining of Spencer's brain and spine disappeared. For several years, Spencer continuously improved in all of his symptoms, including tumor size and mobility.





Prayers For Spencer

Spencer's eyes this morning, and look at how his head is not tilted to the side as much!!! All thanks to the new cannabis oil he is on and the eye patches and physical therapy, and of course, our mighty God! 😊



Tragically, due to the aggressiveness of the cancer and a possible lack of access to cannabis oil, on April 2, 2015, Spencer passed away. An April 12, 2015 article indicated that a disruption in his medicine supply potentially contributed to his death (<http://thefreethoughtproject.com/drug-war-murder-state-denies-3-year-old-life-saving-medicine-dies-months>). Spencer's provider, James Benno, had his grow operation raided and seized by state agents in May 2014. Spencer's mother had trouble finding more cannabis oil for Spencer, and was forced to resort to pharmaceutical treatments. At that point, his health began deteriorating. It is hopeful that Spencer's experience will lead to reforms that ensure no children have to suffer in this way again.

An April 29, 2014 article from Ladybud detailed the particularly dramatic case of Logan Ewell, a child cancer patient (<http://www.ladybud.com/2014/04/29/cannabis-versus-acute-lymphoblastic-leukemia-go-team-logan>). Logan was diagnosed with B cell acute lymphoblastic leukemia on April 16, 2009, and quickly began chemotherapy treatments. Given that the lymphoblasts were only present in Logan's blood and bone marrow, aggressive therapy was not initially needed. While chemotherapy kept the cancer at bay for two years, in March 2011 tests showed lymphoblasts had now spread to Logan's spinal fluid, requiring an increase in chemotherapy and the addition of radiation. These treatments also apparently kept the cancer under control, until June 2013 when a second relapse occurred. In October,

Logan was admitted to Mott's Children's Hospital to receive a bone marrow transplant, which ultimately proved ineffective. On January 13, 2014, doctors at the University of Michigan stated there were no more options, and advised the family to seek out hospice care for the next three to twelve months.



Immediately after hearing the terminal diagnosis, Kimberly, Logan's mother, began taking steps to procure cannabis oil. She knew it was an option but hadn't seriously considered it until there was nothing else to try. The first dose of only 0.025 grams resulted in extreme sleepiness but also quickly impacted the lymphoblast count, which dropped eight percent in four days. Logan maintained a 0.05 grams/day dosage until his next blood tests, which showed rising blast counts. Kimberly then obtained an oil seven times more concentrated, which after another four days resulted in the blast count falling again. On January 28, 2014, Logan was hospitalized for graft-versus-host disease, a transplantation disorder. His cannabis oil dose was increased to 2 grams/day during his hospital stay, which resulted in further reduction in lymphoblast counts. However, Logan's liver enzymes became abnormally elevated, a potential result of isopropyl-alcohol derived cannabis oil. After switching to 190-proof grain alcohol, Logan's liver enzymes slowly normalized; however, it is unknown whether the solvent was the actual cause. By April 2014, Logan was pronounced cancer free, and began quickly recovering from the lingering side effects of chemotherapy.

Several months after remission was achieved, testicular cancer appeared in Logan. As of September 20, 2014 his mother is continuing to treat him with cannabis oil and is considering adding back in traditional chemotherapy for additional cancer fighting power. As of December 4, 2014, Logan has been doing a lot better and apparently chemotherapy has not been needed.



Another article from February 2016 on Ladybud.com discussed two additional reported cases of cannabis impacting cancer outcomes (<http://www.ladybud.com/2016/02/01/how-marijuana-helps-people-with-cancer>). Dora Rivera is a 28-year-old Vermont resident who used cannabis to significantly benefit her condition. Side effects from the conventional treatments caused right leg paralysis, seizures, and extended hospital stays. She was on 19 medications at one point. After starting cannabis [form not specified], she was able to drop down to only two medications; she also regained full function of her right leg and is now cancer-free. She believes her success is due to cannabis.

Another woman, Rosie Johnson, used cannabis oil to fight Stage IV vulvar cancer and rectal cancer. She underwent chemotherapy and radiation, but both apparently proved ineffective, as doctors wrote her off as a lost cause. After beginning to use cannabis oil internally and topically, along with other essential oils like frankincense, Rosie gained forty-five pounds and went back to work. "Regardless if it (the cancer) takes my life, I know the oil has helped prolong and enhance the quality of my life."

Lauranne Ackelson is a 6-year old girl who was diagnosed with acute myeloid leukemia three times in her life. She endured lengthy hospital stays, two bone marrow transplants, and reached a lifetime max for chemo. Her family decided there had to be something better, and found cannabis oil. Since July 2013, Lauranne has been on one gram of cannabis oil per day, which has finally led to her continued remission. She was on chemotherapy when she started the oil but the traditional treatment has apparently been discontinued. A page dedicated to Lauranne's journey called Roar Away Cancer details her story and aims to help other parents utilize cannabis extract therapy for their children (<http://roarawaycancer.weebly.com>). Both the website and the Lauranne's Journey Facebook page convey how much of a radical difference the cannabis treatment made in this third fight compared to the previous two (<https://www.facebook.com/PrincessLauranne>).

Lauranne's story is also mentioned in a news article about children using cannabis in Oregon (<http://www.willamettelive.com/2014/news/kids-using-marijuana>). "Her blood work has been the best we've ever seen since starting retreatment in 2010," Kaleena Brianne, Lauranne's mom, reports. "When we fought this monster the first time, we were inpatient a total of 144 days... but [after cannabis] this time around our total stay was 72 – a drop of 50%. The doctors were impressed with the fact that her bone marrow aspirate also showed no leukemia cells in the marrow."

The FAQ Page of Roar Away Cancer is remarkably detailed, addressing issues including dosing, types of cannabis extracts, science of the endocannabinoid system, and more. (<http://roarawaycancer.weebly.com/faq.html>).



Given that all vertebrates have endocannabinoid systems, cannabis extract medicine also works in animals. A November 22, 2013 article on CBS New York described the experiences of several people who were providing their dogs with cannabis oil (<http://newyork.cbslocal.com/2013/11/22/seen-at-11-medical-marijuana-for-your-furry-friends>). Rowyn Capers discussed how her dog Luna was suffering immensely from late-stage lymphoma and side effects of chemotherapy. She began giving her cannabis oil in capsules, and saw that as she increased the dosage, her symptoms improved. Vomiting and diarrhea stopped, and Luna was feeling better overall. Mary Lynn Mathre said cannabis oil helped with her dog's cancer and was effective in treating a hot spot on another dog. Al Byrne said that all three of his dogs remarkably improved after using cannabis oil, including an increase in energy and "shine in their eyes."

A February 26, 2014 article on Ladybud.com described a woman's treatment of her cat with cannabis-infused olive oil and traditional cannabis oil (<http://www.ladybud.com/2014/02/26/palliative-pet-care-using-cannabis>). The cannabis therapy significantly improved mobility and appetite, and substantially reduced pain. The author, Dianna Donnelly, stated that once the stronger oil was introduced, apparently greater relief was achieved.

A Vice.com article details the work of Veterinarian Doug Kramer and his efforts to treat animals with cannabis oil (<http://www.vice.com/read/the-vet-who-wants-to-legalize-medical-marijuana-for-dogs-000841-v20n4>). He described the use of cannabis oil for sick dogs, cats, and other animals. Another article features Dr. Kramer discussing the use of various cannabis extracts for treating chronic arthritis in cats and laminitis in a horse (http://www.naturalnews.com/044995_cannabis_pets_terminal_illness.html).

A post on SkunkPharmResearch.com suggested that cannabis extracts can treat dementia in dogs. In 2008, a 13-year old female dog named Anna was diagnosed with Alzheimer's (<http://skunkpharmresearch.com/anna-the-dog-and-alzheimers>). Aricept was prescribed, but its benefits were short-lived. Anna was suffering from incontinence, inability to find her way out of a corner, and loss of desire for walks and socializing. She was treated with a formula known as **Holy Puppy Oil**, which combined coconut oil, cinnamon, and cannabis oil. Shortly after beginning a regular dosage schedule, Anna regained control of her bladder, no longer got lost in corners, and regained desire for walking and socializing. While she ended up passing away, the medicine helped Anna live for another six months and leave the world more peacefully.



A July 2014 article in a North Carolina newspaper featured statements from James McLemore, who discussed the benefits of medicinal cannabis for Stage III inoperable lung cancer (<http://www.hendersonvillelightning.com/four-seasons-politics/2976-demonstrators-protest-pot-charges.html>). He consumed cannabis through eating and juicing. The cannabis juice likely consisted of raw buds and leaves, but it is unclear whether he was eating raw cannabis or cannabis oil. "My doctor said he had never seen anyone take the amount of chemo and radiation I took and gain 20 pounds. It's not about getting high. I never felt better in my life than when I was eating and juicing it. I was able to come off of oxygen for four straight months while juicing the plant. I'm in remission. I have another year and a half before I'm considered cancer-free but I've been in remission for 3½ years," said James.

NBCNews.com posted a video on September 9, 2014 about a young girl named Leah Merklin using cannabis oil for brain cancer (<http://www.nbcnews.com/watch/nbc-news-channel/cannabis-oil->

[unexpected-lifesaver-326331971705](#)). After being diagnosed with diffuse intrinsic pontine glioma (DIPG), an especially severe cancer, she was given 6-12 months to live. Doctors said it would likely be closer to 6. The cancer had wrapped around her brainstem, which caused numerous complications including movement and eye problems. Her parents, Eric and Bethany, began administering her cannabis oil, and at time of filming had worked her up to almost a gram a day. The positive effects began quickly, and Leah began walking, jumping, and going back to school. From January 2014 to July, there was no growth in the cancer. Leah's doctors support her use of the cannabis medicine.

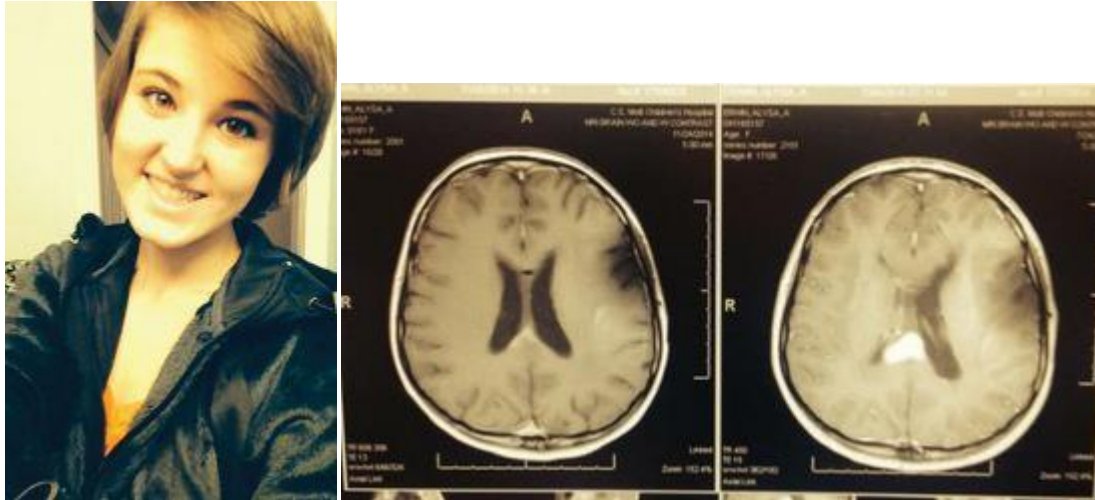


In Spring 2011, then 14-year-old Alysa Erwin was diagnosed with Grade III anaplastic astrocytoma (<http://www.metrotimes.com/detroit/what-if-cannabis-oil-cured-cancer/Content?oid=2145865>). Even with chemotherapy treatments, she was only given 18 months to live. Alysa began taking Temedor, which caused terrible side effects. Her family learned about the potential of cannabis oil to eliminate the tumor from the documentaries *What if Cannabis Cured Cancer* and *Run From the Cure*, and Alysa began taking a THC-rich oil in August 2011. After the very first dose of cannabis oil, which Alysa ingested through an infused peanut butter, she had a "miraculous transformation." Her mother Carly stated, "About 30 minutes after taking cannabis oil she was out of her room eating and smiling. We knew what we wanted after seeing her, but we wanted to see what she wanted because it was her body. The light was back in her eyes again. She was back to herself. She said she wasn't doing chemo anymore; she was only doing cannabis oil."

After a year of taking high doses of cannabis oil, about three milliliters a day (roughly three grams), the cancer changed into five identifiable tumors, one of which was near Alysa's brainstem. Doctors convinced Alysa to have six weeks of radiation, which Carly said was regrettable because it caused brain swelling. Alysa continued using cannabis oil, and by January 2013 was cancer free.

Astrocytomas of all types tend to recur, which unfortunately proved true for Alysa (<http://www.metrotimes.com/detroit/alyssa-erwins-cancer-is-back-and-doctors-wont-help-her-with->

[cannabis-oil-treatment/Content?oid=2240758](http://www.mlive.com/news/ann-arbor/index.ssf/2015/04/hash_bash_speakers_talk_about.html)). For several reasons, she was not able to continue a steady maintenance dose of cannabis oil, which is often integral to keeping cancers in remission. In late July 2014, the astrocytoma returned in a very aggressive form, and doctors said radiation would only buy her some time, apparently a few weeks. Alysa combined cannabis oil with the radiation, which allowed her to forego opiate medications as well as gain weight. By April 2015, doctors said she was 75% cancer free (http://www.mlive.com/news/ann-arbor/index.ssf/2015/04/hash_bash_speakers_talk_about.html). She continues to take the oil and is doing better than anyone expected.



(November 2014 scan, posted on Facebook)

A December 7, 2014 story from an NBC affiliate reported on Cecilia von Harz (<http://whotv.com/2014/12/07/toddler-using-cannabis-oil-and-sugar-free-diet-to-fight-cancer>). She was diagnosed with a rare kidney cancer called Wilms' tumor in 2013. Surgeries, radiation, and chemotherapy were all attempted, but damage to Cecilia's liver prevented further treatment. At this point, parents Jim and Jaclyn sought out alternative treatments, which they now say have shown great promise in shrinking their child's tumors. These treatments, which consist of cannabis oil and an organic, sugar-free diet, have immensely helped Cecilia. "She was sick, she was in pain," mother Jaclyn von Harz said. "But she's so much better now. She's happy, she's energetic."



A September 23rd, 2014 article in an Australian newspaper talked about the use of cannabis extracts to treat cancer in the Hunter region of New South Wales

(<http://www.theherald.com.au/story/2579674/cannabis-a-cancer-killer>). The article was the result of many people reaching out to the paper with research and success stories.

“Advocates – including people who have been treated, or helped treat family members with cannabis products for cancer and other illnesses – say their experiences speak for themselves. One Central Coast woman – whose story was typical of those the *Herald* contacted – said her daughter, then 25, was diagnosed with leukaemia in mid-2012 and declared in remission, with clear blood, just months later. ‘She did have chemotherapy but the doctors couldn’t believe how quickly she recovered,’ the woman said yesterday. ‘And as for the nausea of chemotherapy, while all the others in the unit were vomiting and sick, she was fine with it all. The doctors didn’t really want to know about the cannabis, and just said whatever you’re doing, keep doing it because it’s working.’”

An article three days later in the same paper described the experience of Susannah Patch (<http://www.theherald.com.au/story/2587931/cannabis-oil-stopped-my-cancer>). She fought cancer for years before finding relief with cannabis oil. In July 2011, she was diagnosed with Grade III invasive duct carcinoma in her left breast. The tumor was quickly removed, along with two lymph nodes which revealed metastasized cancer. In August 2011 doctors removed 10 more lymph nodes and Susannah began four weeks of radiotherapy. She was clean for a year until pain in her right hip led to the revelation of a bone metastasis, along with cancer in her lungs and spine. Two more weeks of radiotherapy in December 2012 were prescribed, but doctors said her condition was terminal. Susannah began taking oral chemotherapy to halt the progress, but it was ineffective and the cancer continued to spread as of June 2013. She began using intravenous chemotherapy in August 2013, which doctors said would be for as many months as she lived. It was at this time that she also began ingesting large quantities of cannabis oil.

By October 2013, tests showed a “marked improvement” in lungs and chest space, although she still had the metastases in her hip and spine. Susannah then stopped chemotherapy in December, placing her full faith in the cannabis oil. The article concludes her story:

“Her most recent CT scan report, dated July 7 [2014], says her lungs are stable with ‘residual scarring at the site of previous lung metastases’. ‘These have not progressed and are stable in appearance,’ the report says.

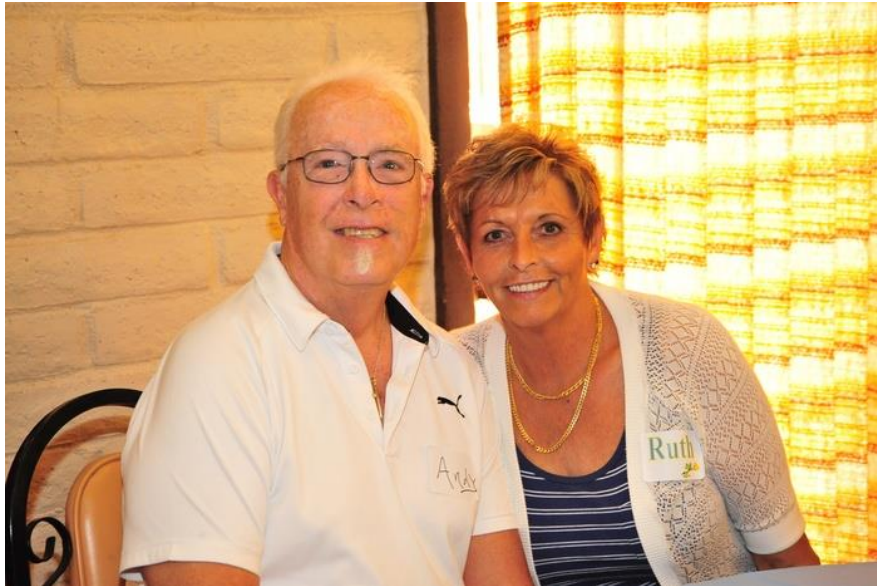
‘Sclerotic lesions’ in her spine, sternum and ribs are stable, ‘reasonably extensive bony metastases in the pelvis are stable in appearance’ and no ‘definite bony metastases’ in her femora were detected despite a dedicated CT scan. Ms Patch said she was continuing to take a much smaller daily dose of cannabis oil and was looking forward to her next check-up.”



Asbestos.com, one of the leading resources for individuals and families affected by mesothelioma, published a November 14, 2014 story about a man named Andy Ashcraft whose life was significantly changed with cannabis extract treatment (<http://www.asbestos.com/news/2014/11/14/cannabis-oil-cancer-treatment>). Mesothelioma is one of the most aggressive cancers, with 60% of patients dying within a year of diagnosis.

Andy was diagnosed with mesothelioma in February 2010, which had already metastasized outside his lungs. At the apparent end of battle, an experimental chemotherapeutic drug had stopped working and doctors told his wife Ruth it was time for palliative care or a hospice facility. Andy had already survived past expectations, and around this time had three gallons of fluid drained from his lungs and abdomen at once. Despite the doctor’s prognosis, Ruth refused to give up and acquired cannabis oil through California’s legal program.

The cannabis oil worked remarkably well and pulled Andy from the brink of death. “The man is healthy today, and there is no other explanation for that. Beyond a shadow of doubt, this cannabis oil has worked wonders for him. I’d recommend it for anyone with cancer. I’m not saying it will work every time on everyone, but it’s working for us,” Ruth told Asbestos.com. With the oil, Andy has ceased chemotherapy, along with his cholesterol, diabetes, and blood-pressure medicines. His last scan in October 2014 showed no tumor growth, and he has another scan in December. Stopping the growth of mesothelioma at this point is quite a feat in itself. Most important is Andy’s dramatically improved quality of life. “I feel great right now. I don’t know why, or exactly how, this [cannabis oil] works. My wife knows the details, but I’m healthy, moving and grooving again, living my life,” Andy said.



A brief documentary titled, “Cannabis Cures Cancer?”, published on December 1, 2014, described three patients for whom cannabis oil made a big difference (<https://www.youtube.com/watch?v=fJlBVraqj4>). A magician named Brad Nichols was diagnosed with an aggressive brain cancer, which surgery was only able to remove 40% of. He also underwent chemotherapy and radiation, and was bedridden for five years. Cannabis oil substantially alleviated his pain and allowed him to go out again. The documentary notes him as a cancer survivor, with the implication he is now cancer free. The second person, Polo Garcia Jr., had an unidentified cancer that was treated primarily with radiation. Cannabis oil effectively alleviated his pain, stress, extreme anxiety, and allowed him to sleep. He is also listed as a cancer survivor. The final patient, Mike, was diagnosed with tumors in his neck on February 4, 2011. He was told he would need chemotherapy within 2 to 3 years. In that time, Mike began using cannabis oil, and the tumor disappeared, eliminating his need to use chemotherapy.



A December 24, 2014 article shared the story of Patricia Crone, a scholar who has worked as an Islam historian with the Institute for Advanced Study (<http://www.towntopics.com/wordpress/2014/12/24/ias-professors-adventures-in-potland-in-search-of-treatment-for-lung-cancer>). The article also announced the screening of a documentary about her battle with cancer. The film, titled *For the Life of Me: Between Science and the Law*, intimately conveyed Patricia's experience. In November 2011, Patricia was diagnosed with lung cancer that had metastasized to her brain. With a poor outlook, she looked to cannabis oil as an alternative therapy. Her academic background implored her to research the medicine methodically and skeptically. She read about "Rick Simpson Oil" and the claims of cannabis killing cancer. Seeing that even the National Cancer Institute posted evidence about the anti-cancer activity of cannabinoids, Patricia decided to try it. Remarkably, she acquired cannabis and made the oil herself. Hoping that cannabis oil would shrink her tumors, Patricia delayed whole brain radiation (WBR) for seven months. The growth and proliferation of her tumors decreased, but she still decided to undergo WBR for additional anticancer action. Unfortunately, this had little effect on her tumors, but caused devastating side effects. Following WBR Patricia also used Avastin, an angiogenesis inhibitor, which apparently was more effective and tolerable than the radiation.

According to her sister, the producer of *For the Life of Me*, Diana C. Frank, as of Thanksgiving 2014 Patricia's tumors were gone. However, her brain was severely damaged by the radiation, and Patricia now only takes an anti-seizure medication to deal with the radiation-induced seizures. On the whole, she was severely weakened. Having watched Patricia's experience from the beginning, Diana believes the decision to use radiation was a mistake. Indeed, just as the decision to use cannabis oil can be risky due to a lack of research, the decision to use conventional therapies also carries major risks as well. Although cannabis was not as effective as Patricia had hoped, her ultimate desire is that her experience and the film will promote research into the endocannabinoid system.

A page for the film can be found at <http://www.forthelifeofmefilm.com>.



Stefanie LaRue’s fight against breast cancer was recounted in a February 2015 article (<http://www.medicaljane.com/2015/02/03/stefanie-larue-cancer-survivor-and-advocate-credits-cannabis>). After several misdiagnoses, she was diagnosed with Stage IV metastatic breast cancer in 2005. Although she was given at most a year to live, she eliminated the cancer with a combination of diet, supplements, acupuncture, fitness, chemotherapy, and surgery. This was only the beginning, as the cancer returned two more times. When the third reoccurrence happened in 2013, Stefanie decided not to do chemotherapy this time and instead only use cannabis oil. “Cannabis oil killed all of the tumors in my body. My monthly lab and quarterly scan results are proof that the cannabis oil treatment worked,” said Stefanie. She now takes a half gram maintenance dose of cannabis oil, and as of her last scan December 2014 she is still cancer free. However, in late 2015 her cancer returned, and she has currently resumed her battle.



Kelly Hauf is a 52-year old woman who eliminated a brain tumor with cannabis oil (<http://www.cureyourowncancer.org/the-kelly-hauf-story-how-she-beat-brain-cancer-naturally-with-cannabis-oil.html>). She was initially diagnosed with a brain tumor on January 18, 2000. Due to slow growth, her surgeon said it would be okay to postpone surgery and monitor the tumor every three months. After a little over three years, the tumor grew significantly, and Kelly had surgery on September 4, 2003. At this point, the cancer was determined to be Grade II Oligodendroglioma. Kelly continued to have MRIs every three months, until a November 2013 report showed regrowth of the tumor. Her

doctor suggested 4 to 6 months of chemotherapy. Kelly conducted extensive research and decided to try cannabis oil before the chemotherapy. Her neuro-oncologist supported her choice and allowed her to move forward.

Kelly began taking the oil in early 2014. Her intention was to work up to a gram a day by April, but this was not possible. However, the smaller doses stopped the main tumor's growth and eliminated a smaller tumor that had been present since Kelly's first surgery ten years before. This success encouraged Kelly to continue with the oil therapy, and over the next few months attained her desired dosage level. For the final two weeks before her second MRI in August 2014, Kelly was on two grams a day. That MRI showed the remaining tumor was only scar tissue, indicating it was dead. In addition to taking cannabis oil, Kelly used supplements, meditation, yoga, organic juicing, and other natural healing techniques to achieve her incredible results. A statement from Kelly described additional benefits she experienced from cannabis oil:

"After establishing residency in San Francisco, I was able to get a medical marijuana card. The card was for cancer treatment but, amazingly, the cannabis oil has helped me with my fibromyalgia pain, joint pain, and chronic headaches. I had this pain for many years and it was getting worse. I literally have no pain now. My blood pressure had been creeping up over the years and was consistently pre-hypertensive, now it's consistently on the low side of normal. I have not taken any other medication except the cannabis oil, supplements, and good clean healthy food over the last 8 months."



In February 2015, the author spoke with Starling Wickes about her experience fighting cancer. Starling was diagnosed with Stage IIB breast cancer with metastasis to two lymph nodes on January 6, 2009. She underwent traditional therapy and used cannabis extracts to dramatically reduce side effects and potentially fight the cancer itself. Shortly after being diagnosed, Starling began smoking cannabis oil and consuming edibles. In February she had a double mastectomy, which she recovered from quickly. From April through October she received chemotherapy and endured very few side effects, mostly being tired. From November to December 15th she had radiation, which also did not cause much damage. In total, Starling also had five surgeries, with no complications and only a little pain. Her experience demonstrates the powerful symptomatic relief and synergy of cannabis extracts. Starling now helps other patients through her business, foundTHEcure, LLC, and Facebook page Let's Get Physical Cancer Sisters and Brothers. She also successfully treated her dog with cannabis oil for a tumor, which is shown in the upcoming *Facebook Testimonials* subsection.



An April 22, 2015 article in the *Derby Telegraph* detailed the impact cannabis oil had on 55-year-old Karen Roberts aggressive lymph cancer (<http://www.derbytelegraph.co.uk/Derby-GP-says-cannabis-gran-Karen-Roberts-cancer/story-26368356-detail/story.html>). She was initially diagnosed as terminal and was too sick to receive a potentially life-saving bone marrow transplant. She began taking cannabis oil and her tumors began to shrink; during this period she used no chemotherapy or radiation. Dr. John Grenville (also pictures below), secretary of the Derbyshire Local Medical Committee, stated he had only seen a handful of other recoveries in his 34 years of experience, and that Karen's experience was "an extremely rare case and she is incredibly lucky." She received the transplant in May 2015 and needs to

wait a year for news of its success (<http://www.derbytelegraph.co.uk/Derby-cancer-sufferer-Karen-Roberts-faces-year/story-27640560-detail/story.html>).



Steve Kubby is an accomplished businessman and activist who assisted in the drafting of California Proposition 215 (https://en.wikipedia.org/wiki/Steve_Kubby). In 1968, Steve was diagnosed with malignant pheochromocytoma, a rare, fatal form of adrenal cancer. Despite an extremely high mortality rate, Steve was able to control the disease for decades by smoking large amounts of cannabis. His original doctor stated, “In some amazing fashion, this medication has not only controlled the symptoms of the pheochromocytoma, but in my view, has arrested its growth.”

In a November 22, 2015 article by Steve, he related his experience of finally putting the disease into apparent remission. In February 2012, he began using a cryogenic extract from fresh cannabis plants. This enabled him to take in large amounts of raw cannabinoids. He got the idea from Dr. Raphael Mechoulam, who had said drying cannabis results in the loss of important cannabinoids. After making the extract, Steve began taking a quarter teaspoon every day.

On May 16, 2012, he experienced severe vomiting that lasted four days. Although he initially blamed food poisoning, the fact his cancer symptoms ceased after the event led him to believe tumor cell death was the real cause.

Steve concluded the article by saying, “Of course I realized that extraordinary claims require extraordinary proof, so I decided to wait a year and see if my symptoms returned. They did not and I began to experience excellent health. It’s now been 3.5 years since this event and my health continues to improve. Recently, I took a lab test and was stunned to find out that my catecholamines in my blood have dropped from 10 times normal to normal. To the best of my knowledge, this is the first time in medical history that someone with adrenal cancer (malignant pheochromocytoma) has ever recovered from this terrible disease.” Catecholamine levels are the chief measurement by which pheochromocytoma is diagnosed (http://endocrinesurgery.ucla.edu/patient_education_pheochromocytoma.html).



A story from October 2015 about a Pennsylvanian man, anonymized for his legal protection, described his success against terminal cancer with a combination of cannabis and chemotherapy (<http://abc27.com/2015/10/26/cancer-patient-i-had-to-become-an-outlaw-or-die>). The man was diagnosed with a rare bile duct cancer and given a two-percent chance of survival. Even with chemotherapy, it had metastasized to his liver and lungs. He began ingesting THC-rich cannabis oil his wife made for him; after almost three months of the oil and continuing chemotherapy, the cancer in his lungs was gone, and the tumors in his liver shrank, disappeared, or remained the same. “I was shocked. I dropped to the ground. I could not believe it,” said the man. “I thought it would be a miracle drug for him and it has been,” said his mother. The oncology nurses were also surprised at the man’s progress, but due to legal reasons he could not inform them of his secret medicine. Furthermore, the man kept his hair and gained weight despite chemotherapy.

An update from ABC27 published February 16, 2016, revealed that the above patient decided to reveal himself in an effort to instigate faster change (<http://abc27.com/2016/02/16/update-cancer-patient-illegally-healing-with-medical-marijuana-identifies-himself>). Randal Ray Robertson, 56, had been given 9-11 months to live after the bile duct cancer had spread to his liver and lungs. Interestingly, Randal actually invited ABC27 to his CAT scan, and the doctor allowed the family to record the results. The doctor stated, “The CAT scan looks great. There are no nodules in the lungs. Now, there are just a couple subcentimeter lesions on the liver. The rest of the liver looks great.” Randal’s lungs were also still clear and the remaining small tumors in his liver had decreased even more. “There was no denying at that point that this was not normal and this was not just the chemotherapy,” Randal said. His wife Molly stated, “We could have gone to jail when we were actually using it. I mean, we were in jeopardy, but we had such amazing results that we had to step out.”



Todd Mitchem is an accomplished cannabis entrepreneur with several successful ventures in the industry. In a December 2015 interview, he described what led him to leaving the traditional corporate world in 2012 (<https://www.civilized.life/todd-mitchem-is-a-cannapreneur-1503937995.html>). At some point in her life, his mother was diagnosed with breast cancer, which she beat with radiation and chemotherapy. Around 2008, she was diagnosed with cancer again. This time, it was adenocarcinoma of the chest wall and pleura. Tumors had spread throughout her body, and doctors said she had four to six months to live.

A nurse suggested to Todd's mother that she use cannabis to ease her pain as she dies. For six months, she ate a cannabis-infused muffin before bed, which significantly helped with sleep. Surprisingly, the cancer was eventually completely eradicated, and as of December 2015 Todd's mother is still alive. "That diagnosis was almost seven years ago and my mother is STILL ALIVE today. Her cancer is completely eradicated. I believe she is still alive and has beaten terminal cancer because of her choice to consume cannabis," said Todd.



A January 2016 news article described the experience of David Hibbitt (<http://www.stokesentinel.co.uk/Cancer-survivor-claims-cannabis-oil-cured-wants/story-28476336-detail/story.html>). The father-of-one was diagnosed with Stage III bowel cancer in July 2012, which was initially eliminated with a combination of chemotherapy, radiation, and surgery. However, the cancer eventually returned and was deemed terminal by David's doctors. He started taking cannabis oil in May 2014 alongside chemotherapy, but stopped that treatment around the end of August 2014 because it was making him feel bad. However, he had radiation therapy and an operation at the end of October 2014 as well. In January 2015 he was pronounced cancer free. The combination of cannabis oil and traditional treatments appeared to prove effective in eliminating a terminally diagnosed cancer.



The article on David also mentioned Gary Cartlidge, a 59-year-old cancer patient. He stated, "I was diagnosed with terminal cancer in October 2014 and the doctors only gave me between three and six months to live. I started using cannabis oil about 12 months ago, and I am still here. What David is doing is tremendous because there are people out there who need help, but don't know where to go for advice on alternative treatments."

A January 6, 2016 article in *New Times* mentioned several patients using cannabis oil, including Kate Kytle (<http://www.newtimeslo.com/cover/13271/growing-pains-new-local-medical-marijuana->

[cultivation-laws-leave-growers-and-the-patients-they-provide-for-trying-to-figure-out-what-it-will-mean-for-the-industry](#)). Sixteen months prior to publication, she had been diagnosed with Stage IV metastatic triple-negative breast cancer that had spread to her lungs. She was then later diagnosed with HER2-positive breast cancer, another aggressive form of the disease. She used a combination of CBD-rich therapies, including a topical salve applied directly to the breast, a tincture she drank in a tea in the morning, and full-strength CBD oil. Kate did not appear to use any THC-rich preparations. She used no chemotherapy or radiation, but did utilize two antibody therapy drugs. While the timeline is not clear, at some point there was a five week treatment period after which a scan showed the tumors were "basically gone." "It's amazing what happened. It literally stopped my cancer from spreading," said Kate.



The article also mentioned a woman named Sarah (a pseudonym to protect her identity), a mother-of-three who suffered with rheumatoid arthritis. Her condition was so intense it often prevented her from walking to the bathroom or even answering the phone. In early 2015 she began juicing fresh trimmings she received from a grower and experienced substantial relief. The juice and dietary changes "all but eliminated" her pain, which still flares up in certain weather conditions or when she does not have the juice. Her experience is similar to that of Katie Marsh, discussed later, who has managed severe rheumatoid arthritis by juicing cannabis.

A January 22, 2016 article from a CBS affiliate described the experience of 50-year-old Darren Miller, who was diagnosed with "incurable, inoperable" lung and pericardial heart sac cancer (<http://stlouis.cbslocal.com/2016/01/22/granite-city-man-claims-cannabis-oil-killed-his-incurable-cancer>). With chemotherapy, he was told by doctors he would live about a year. He looked for alternatives as a hope for complete remission, and found evidence that cannabis oil may work for him.

With the support of his wife, Darren moved to California and began using cannabis oil, eventually even learning how to make it himself. He continued with chemotherapy as well. The combination achieved exactly what Darren was hoping for. "And then today, which is seven months later, they tell me I am completely cancer-free – not remission. I've cured my cancer. Now, am I giving

credit to the cannabis oil? Absolutely. Am I giving credit to chemo? I would have to say yes, too. I did both," said Darren. He backed up his claims with medical records.



A February 11, 2016 article from BBC News described Kieran McCrory's experience with cannabis oil for a terminal brain tumor (<http://www.bbc.com/news/uk-northern-ireland-foyle-west-35545292>). He was diagnosed with the tumor in 2014, and after brain surgery and radiation treatment apparently failed to stop the tumor, he began using cannabis oil as the sole treatment in 2015. By February 2016, doctors said the tumor had stopped growing. "I can be optimistic about spending a good length of time on this planet with my wife and child. It is good to see a bit of light. Basically, the tumour has stopped in its tracks. So it's not spread and it's not got any bigger," said Kieran.



A local college newspaper discussed the history of activist Jon Marsh, now a leader in the cannabis extract movement (<http://laverne.edu/campus-times/2014/05/marsh-takes-medicinal-cannabis-to->

[new-high](#)). He runs the Facebook group Cannabis Oil Success Stories, which currently has over 26,000 members (<https://www.facebook.com/groups/416702921703509>). In the article, Jon discussed how he began using cannabis to treat Gulf War Syndrome after returning from Operation Desert Storm. "I can say that after nothing but cannabis for medicine over the past 20 years, my recent reports from blood work at the V.A. show me healthy as can be," said Jon. He also voiced his strong support for using cannabis extracts to treat cancer and other diseases, and is contacting officials from Bermuda, Haiti, India, and Jamaica about setting up cannabis extract systems. This way, patients from the United States and the respective countries would have a safe place to use cannabis extract therapy. Jon also founded The Cannabis Consultants, which seeks to connect interested parties with consultants from a variety of cannabis-related fields (<http://www.thecannabisconsultants.com>). The website also aims to be a database of cannabis oil successes, as well as directly assist with treatment. A project known as The Fortunate 500 endeavors to treat 500 cancer patients with cannabis extract therapy (<http://www.thecannabisconsultants.com/fortunate-500.html>).

A remarkable case shared from The Cannabis Consultants involving lupus remission is seen below (<http://www.thecannabisconsultants.com/lupus-treated.html>).

My name is Robin and after suffering with random symptoms for more than five years, I was diagnosed with SLE (Systemic Lupus) in July of 2012. I also have psoriasis and after researching all my options and consulting with my physician, I decided to add Cannabis Oil to the healing regimen I was going to be prescribed by my doctor for treating the Lupus.

In conjunction with specific prescription Lupus medication, I consumed a total of 43 grams of Cannabis Oil; 35 grams of Full Extract Cannabis Oil (FECO) and eight grams of Spun Gold from POT LABS at the end of the protocol. I ingested the 43 grams over a four month period and I ingested the Cannabis Oil orally under my tongue. I also have Psoriasis so I put some Cannabis Oil on one troublesome patch topically for six days and it was gone.

On March 4, 2014 I had a followup appointment with my rheumatologist. She took me off the drug Plaquenil, which is the prescribed medication for Lupus. My doctor said I no longer show signs of inflammation and she believes I no longer have Lupus and removed that diagnosis from my chart. I did tell her I was using Cannabis Oil to treat my conditions and she neither confirmed nor denied it eradicated Lupus from my body.

In conclusion I would like to affirm that I do not believe I would have gotten rid of Lupus without Cannabis Oil, as I was on steroids, Plaquenil, Naproxen and Norco with little or no signs of success. I took these medications daily, never went out in the sun and continued to have Lupus flares until a few months into my Cannabis Oil regimen. I noticed I was purging illness from my body (impetigo looking sores where on my forehead) I had white blood cells in my urine, I got a mild two day flare-up with fever and fatigue, psoriasis came to the surface, I lost 15 lbs effortlessly. After a few months on the oil I noticed I was starting to feel normal little by little. I had six auto-immune disorders and was prescribed ten medications. I am now down to two medications for Hypothyroidism/Goiter/Hashimotos and for high cholesterol which I hope someday to be free of those as well.

Enthusiastically submitted!

**Robin M
California**

One of the most publicized patient testimonials is Charlotte Figi. Her story was told on Dr. Sanjay Gupta's documentary *Weed*, which premiered August 11, 2013.



Shortly before the documentary aired, Charlotte's story was published on CNN (<http://www.cnn.com/2013/08/07/health/charlotte-child-medical-marijuana/index.html>). Charlotte's parents learned about the potential for cannabis in treating Dravet syndrome apparently from Jayden David's story (the CNN article simply states that Matt Figi found a video online of a California boy with Dravet successfully being treated with high-CBD oil, and that boy is most likely Jayden).

At the time when Charlotte's parents began to consider cannabis, Charlotte's condition had deteriorated dramatically. She could not walk, talk, or eat, and was having 300 grand mal seizures a week. Such seizures affect the entire brain. No combination of powerful pharmaceuticals or rigid dietary changes, such as putting Charlotte on the ketogenic diet, had any effect. When Charlotte was 5, the Figis learned there was nothing more the hospital could do. That's when they pursued cannabis extract treatment. Paige Figi, Charlotte's mother, purchased 2 ounces of high-CBD cannabis for \$800, and a friend produced oil from the material. From the very first dose, Charlotte's seizures stopped. As the CNN article states, "When she didn't have those three, four seizures that first hour, that was the first sign," Paige recalled. "And I thought well, 'Let's go another hour, this has got to be a fluke.'" The seizures stopped for another hour. And for the following seven days."



After their initial positive trial with cannabis oil, Paige learned of the Stanley brothers, a team of individuals specializing in growing high-CBD cannabis. The Stanley brothers consist of Josh, Jesse, Joel, Jon, Jordan, Jared, and J Austin. They started the Realm of Caring Foundation, a non-profit organization, to provide children and adults with cannabis for severe conditions. The Stanleys began providing Charlotte with oil, and even named a strain after her – Charlotte’s Web.



At the time of the CNN article, Charlotte was 6. This is just one year after the hospital told the Figis nothing more could be done. With the use of high-CBD oil, Charlotte’s seizures dropped substantially. Where she used to have 300 grand mals a week, she now has only a few very minor seizures each month.

“Today, Charlotte, 6, is thriving. Her seizures only happen two to three times per month, almost solely in her sleep. Not only is she walking, she can ride her bicycle. She feeds herself and is talking more and more each day.

‘I literally see Charlotte's brain making connections that haven't been made in years,’ Matt [Figi] said. ‘My thought now is, why were we the ones that had to go out and find this cure? This natural cure? How come a doctor didn't know about this? How come they didn't make me aware of this?’”

Charlotte's case was discussed in the May 2014 issue of *Epilepsia*, which confirmed Charlotte's dramatic reduction in seizures has persisted for 20 months and she has been successfully weaned from other antiepileptic drugs (<http://www.ncbi.nlm.nih.gov/pubmed/24854149>).

A November 2013 episode of *The Doctors*, a syndicated talk show, featured a discussion between Dr. Travis Stork, Paige Figi, and Dr. Orrin Devinsky. Charlotte's story was recounted, and Dr. Stork passionately implored the audience to understand how amazing her turnaround was.



The game is changing, is it not?



The game has definitely changed.

Another patient with the same condition as Charlotte, and whose story prompted her family to pursue cannabis therapy, is Jayden David. He and his father Jason have appeared on numerous media outlets to share Jayden's story. In the Dr. Courtney Huffington Post Live video mentioned above, Jason David joined in to elaborate upon Jayden's experience.



Jayden is currently 7 years old. He had his first seizure at 4 months old. Christmas morning was his first seizure. For four-and-a-half years, he had at least one seizure every single day. Twelve different medications were attempted and none worked, not even the experimental ones. Jason began giving Jayden high-CBD oil in a base of coconut oil. Shortly after, his condition improved dramatically – where

Jayden was once often stuck in a wheelchair, he is now running around, playing, and “being a child again.” Jason gets his medication from Harborside Health Center, arguably the most advanced medicinal cannabis facility in the country. At a news conference at Oakland City Hall, Jason made a plea alongside Harborside’s owner, Stephen DeAngelo, to allow the continued distribution of cannabis medicine. It was also at this conference Jason revealed Jayden had endured 45 ambulance trips in his lifetime, and hasn’t been in an ambulance since starting CBD oil medication.

(<http://www.sfgate.com/crime/article/Oakland-s-Harborside-pot-club-fights-feds-3702632.php>).



Another former patient of Realm of Caring, Landon Riddle, used CBD-rich oil for leukemia. Dr. Sanjay Gupta also examined this case, but for some reason it was cut out of the Weed documentary and only made available online (<http://www.youtube.com/watch?v=Pk9NQxWEIXg>).



Dr. Gupta and Sierra Riddle, Landon’s mother, described the severity of Landon’s condition. At 2, he was diagnosed with leukemia. Doctors immediately started intense chemotherapy, but said even with that, he only had around an 8% chance of living 24-48 hours. As Dr. Gupta stated, “The chemo made him violently ill. He was in intense pain, he suffered nerve damage in his legs, and he went 25 days without eating.” Around the clock, he was on a wide variety of pharmaceuticals and painkillers. Sierra then learned about medicinal cannabis, and found Realm of Caring. As soon as they began the oil, Landon’s blood platelet count improved substantially, returning to a healthy level. At the end of the video, Dr. Gupta states Landon has been off chemotherapy for three weeks, and that Sierra stated Landon’s cancer was in remission.



As of January 2016, Landon is still in remission.

Realm of Caring hosts many other stories on their website, divided into adult and child sections (<http://theroc.us>). Zaki Jackson is another notable Realm patient, diagnosed with Doose syndrome (http://theroc.us/index.php?option=com_k2&view=item&id=3:zakis-journey&Itemid=281). Unlike Charlotte Figi’s Dravet-based seizures, Zaki’s epileptic activity is characterized by high-frequency, short-

duration, subclinical seizures. An EEG prior to starting CBD showed subclinical seizure activity every 10 seconds during the day, and 2 to 3 times more frequent at night. Despite trying 17 pharmaceuticals, the ketogenic diet, acupuncture, chiropractic, cranial sacral therapy, energy work, and other herbal treatments, nothing worked. Because of the extreme frequency of his seizures, Zaki has had literally hundreds of thousands of seizures in his lifetime, and has experienced side effects from medications like cramping body pains, hair loss, bone loss, abnormal weight gain, aggression, and more. The night before CBD oil was first started, Zaki had 200 seizures. The night he started, he didn't have any. On October 1st, 2012, three months into CBD oil treatment, Zaki had another EEG. The 24-hour test showed only 12 subclinical seizures the entire time, an amount which normally would occur in only two minutes. As the testimonial ends, "He is almost off of pharmaceuticals. He is happy, healthy, at the time of this writing 9 months seizure free, enjoying being a boy, scaring me on his bike and skateboard! It is fantastic. He has an opportunity at life now."

An October 23, 2013 article described the celebration of Zaki's one-year anniversary of being seizure free (<http://www.csindy.com/coloradosprings/10-year-old-is-seizure-free-after-one-year-of-cannabis-oil/Content?oid=2779991>).



Another story features Emily, who was diagnosed with a catastrophic form of epilepsy known as infantile spasms at six months of age (http://theroc.us/index.php?option=com_k2&view=item&id=11:emilys-journey&Itemid=276). She had between 300-400 seizures a day at worst (her average was 50-100), and even with 14 attempted medications and a special diet (likely the ketogenic diet), nothing helped. Emily's mother learned of the success Charlotte and Zaki experienced with Dravet and Doose syndrome, and was encouraged to try CBD treatment for Emily. With little time to prepare, Emily's family moved to Colorado with the help of Realm of Caring. The post on Emily ends as such:

Emily is now 4 and has been on CBD treatment since April. She is off all seizure medications! She is so much more alert and holding her head up and getting stronger everyday. We're seeing things we were told we would never see! She is not seizure free yet but this is the best her seizure control has ever been. When we moved she was averaging 50-100 gagging, vomiting, and very scary seizures a day. She is now having about 15 weak and short seizures a day. I am amazed at what this plant has given us! Emily takes a little bit of oil a few times a day in a capsule. She isn't high. In fact she has never been so alert and clear!

We are now getting to learn how to live life without seizures being the center of it.

There are several other successful stories on RealmOfCaringFoundation.org. Jacob's experience is very similar to others – he had a severe form of epilepsy, endured hours-long seizure activity, and responded extremely poorly to all pharmaceuticals

(http://theroc.us/index.php?option=com_k2&view=item&id=12:jacobs-journey&Itemid=275). Jacob's mother describes how she found Realm of Caring and what her experience was below:

The beginning of 2013 has been one of the toughest times for our family. However, in May, that changed from trials and tribulations, to triumph. I understand that Jacob will need support the rest of his life for his diagnosis but I do also know that support doesn't have to be something that harms him. We went through the process legally for Jacob to obtain the Medical Cannabis through Realm of Caring. I had no idea how much of a turning point this would be. The night of May 30 we began our first dosage of Medical Cannabis for Jacob. Now for most people that understand seizures and how they work, you will also understand that nighttime can be the most treacherous time for those suffering with seizures. Jacob slept all night long without an ounce of difficulty. As a matter of fact I slept so sound myself that I awoke startled. I hadn't slept that good in years, and I am most certain Jacob hadn't either. The morning of May 30 was the last dosage of Keppra Jacob has received, and despite just a few adjustments of dosage of the Medical Cannabis and some dietary changes Jacob is now seizure free. No night time scares, no issues with storms, etc. and even if there is a slight disruption there is only a slight muscle spasm that is quickly addressed with some of the other supportive therapies I continue to utilize. The Medical Cannabis has pushed Jacob over the threshold for victory over 7 years of hell, and I will give God above all the glory first and foremost. I humbly thank Realm of Caring for their heart to help others and the extreme amount of sacrifice, dedication and hard work they continue to give to help others. There are no words that justify the gratitude for this Mother's broken and mending heart. God bless you Realm of Caring Team! God bless you!

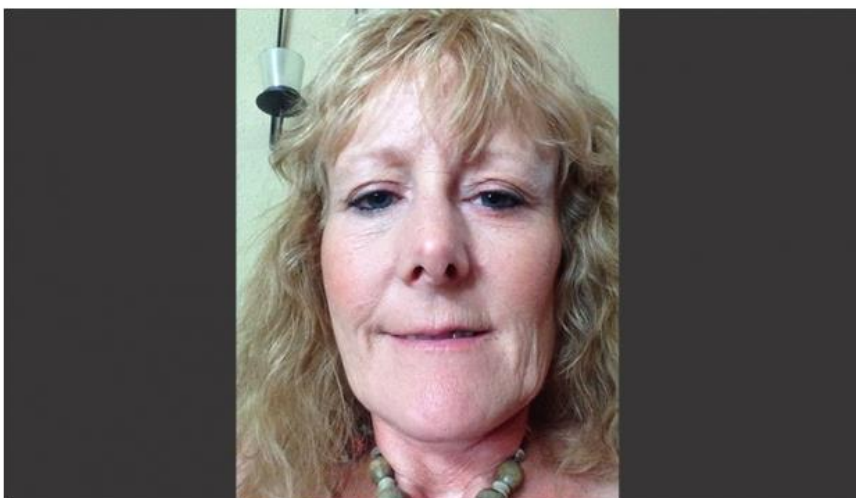


Realm of Caring has experience treating cancer as well. The Stanley brothers reportedly provided CNN with their anti-cancer work, but the news organization refused to air it. One of their most remarkable cancer patients is Susan, who was diagnosed with lobular breast cancer in August 2007 (http://theroc.us/index.php?option=com_k2&view=item&id=9:susans-journey&Itemid=278). A double mastectomy led to a brief remission until it recurred as metastatic Stage IV breast cancer in 2011. Various surgeries, including the mastectomy and removal of ovaries, along with chemotherapy, left Susan with broken legs from falls, complete kidney failure, blood clots, and fluid build-up around the heart and lungs. After failure of these treatments, doctors wanted to try a new chemotherapy, which Susan apparently refused (it is unclear whether chemotherapy was used concurrently, but implied it was not).

In June 2012, Susan began cannabis treatment. After less than four months, a PET scan showed her cancer was “completely inactive” – smaller in one area and gone in another. In March 2013, another scan showed continued inactivity and further areas of complete remission.



Another brief cancer-related testimonial from Realm of Caring is Michelle (http://theroc.us/index.php?option=com_k2&view=item&id=8:michelles-journey&Itemid=279). While her regimen is not fully explained, it is clear cannabis extracts have worked to some significant extent. Michelle also uses cannabis oil for scoliosis and fibromyalgia, which she suggests is strongly preferable over Lyrica, as it made her lethargic.



My name is Michelle and I am a 51 year old married women. I started using cannabis for muscles spasms, but then I got the shocking news of cancer! Thyroid cancer! With the realm oil I can function normally. I have now been on it for about a year and am now **CANCER FREE!**

Jennifer and Jacob Welton, the parents of Zander Welton, have filed a lawsuit against the state of Arizona to ensure uninterrupted, continued access to high-CBD cannabis oil (<http://abcnews.go.com/Health/parents-file-suit-son-medicinal-marijuana-extract/story?id=20740614>). Zander has cortical dysplasia, and until he was given high-CBD oil, no previous treatments had worked to control his seizures. As the ABC News article reports,

“Prior to the treatment, the 5-year-old had received many other kinds of medication and had undergone two brain surgeries in an effort to alleviate the severity of his seizures. Doctors had removed part of his hippocampus and his left temporal lobe, but his seizures persisted. According to the Weltons, Zander's doctor said their final option to alleviate his seizures was to remove the left hemisphere of his brain. The procedure could have left him paralyzed or in a vegetative state, so they decided to try the cannabis oil option first.

Zander was put on cannabidiol oil, or CBD, in September after he qualified for a medical marijuana card. There are approximately 40 minors in Arizona who qualify for a medical marijuana card.

According to court documents, the Weltons noticed an improvement in Zander's symptoms after being treated with medical marijuana. Welton confirmed that after treatment Zander no longer had 8- to 10-minute seizures daily that would cause him to stop breathing and turn blue. Instead, in the seven weeks since Zander had been taking medicinal marijuana, Welton said he had only two seizures and each only lasted a few minutes and he didn't stop breathing.

In addition, Zander has been able to communicate more and has started to shake his head signifying when he doesn't like something.”



The use of cannabis extracts for epilepsy is not limited to the United States, nor to high-CBD oils. In Australia, a young girl named Tara O’Connell has been using raw THCA tincture to treat Dravet syndrome (<http://www.heraldsun.com.au/news/victoria/desperate-parents-turn-to-medical-marijuana-in-lastditch-effort-to-improve-their-childrens-lives/story-fni0fit3-1226799787147>). Before treatment, Tara was having up to 60 seizures a day. Her mother stated, “She was dying, she could barely walk or talk, was unable to toilet herself and slept a similar cycle to a newborn. Over a year, Tara’s condition improved dramatically – her seizures stopped, she no longer needs a wheelchair, and a recent neuropsychological assessment said her overall cognitive performances were “significantly improved on those documented 12 months ago.” A Melbourne Child Neurology doctor, Lindsay J. Smith, said Tara’s improvement was “nothing short of miraculous” (<http://www.bendigoadvertiser.com.au/story/2041114/mother-holds-hope-for-trial-as-support-grows>).



Tara's mother is also using the tincture for her son Sean, who was diagnosed with a less severe epileptic condition. He is now seizure free and exhibiting other improvements.

The situation in Australia was bolstered strongly by the case of Dan Haslam, whose story was widely popularized in a June 15, 2014 article (<https://au.news.yahoo.com/sunday-night/features/a/24234836/marijuana-the-illegal-medicine>). Dan was the son of a former drug squad detective, Lou Haslam, who has completely changed his stance on the medicine since his son's experience. In fact, the Tamworth community and senior police officials have all been supportive. At 24, Dan was diagnosed with bowel cancer. It was soon discovered there were over 40 tumors in his liver as well. Dan began using cannabis to fight the side effects of chemotherapy, which was quite effective. Instead of taking a week to recover from chemotherapy, it only took him a day.

Dan then began looking into cannabis oil as a cure. He found a video of someone who claimed they healed themselves of terminal adenocarcinoma with cannabis oil, and then began making it. Dan stated, "In a nutshell, the oil unlocks receptors on the cancer site and then the immune system recognises it as a cancer because at the moment it's sitting invisible to my immune system. I know people say there [are] no clinical studies but there is evidence to suggest that it can treat my cancer and I am going to give it a go and we have to have faith in it."

Unfortunately, Dan passed away on February 24, 2015. His mother has continued the fight to legalize medicinal cannabis for other patients in need.



The Sunday Night article goes on to describe the experience of Cooper, a child epilepsy patient. Cooper has both a severe form of epilepsy and cerebral palsy. After his parents ran out of traditional options, they decided to try cannabis oil, and immediately saw results. Cassie Batten and Rhett Wallace, Cooper's parents, were initially reported to the Department of Human Services for administering an illegal drug. However, doctors were so amazed by Cooper's progress he began receiving cannabis oil in the hospital. With the oil, his seizures had dropped from hundreds a day to two or three.

Unfortunately, Cassie and Rhett's appearance on Sunday Night (a popular Australian news program) led to a raid on their home in July, where police took Cooper's medicine (<https://au.news.yahoo.com/sunday-night/features/a/24496566/cannabis-oil>). Despite the toll this has taken on the family, Rhett said he didn't regret speaking about Cooper's success. "It needs to be in the public eye, it needs to be investigated more, tests, more formal tests need to be done, other than what's been done in the states, and other countries. Australia needs to catch up on that and the right measures need to be put in place," stated Rhett.



A September 19, 2014 article described Lindsay Carter's battle with brain cancer (<http://www.sunshinecoastdaily.com.au/news/cannabis-a-lifesaver/2392459>). By September 2014, Lindsay had traveled to the United States three times for cannabis oil treatment. After each visit, the tumor reduced substantially, including by almost half after one seven-week treatment. However, upon returning to Australia where he could not access cannabis oil, the tumor began growing again. A November 5, 2014 article described Lindsay's fourth trip to the United States, where he met with Dr. Jeffrey Hergenrather to continue his treatment (<http://www.couriermail.com.au/news/queensland/lindsay-carter-forced-to-go-to-us-for-cannabis-treatment-for-brain-tumour/story-fnn8dlfs-1227112641116>).

Due to this need to travel, Linai and Lindsay could not personally appear at the Australian Symposium. In the above article, Dr. Hergenrather commented, "We've known for over 40 years now that THC, and the active ingredients in cannabis, are able to kill cancer cells in many cases ... particularly in the glioma cell line in the brain. It's really unethical to keep that cannabis medicine away from people that really are in need of it today. We're creating this situation with the Carter family where they're refugees here in America because they can't use medical grade cannabis in Australia."



An April 26, 2014 article in The Toronto Sun described the case of Mia Wilkinson, who suffers from a rare epileptic disorder called Ohtahara syndrome (<http://www.torontosun.com/2014/04/26/medical-marijuana-gives-epileptic-child-new-lease-on-life>). The condition is typically fatal within two years of being born; in fact, Mia experienced her first seizure just 29 minutes after birth. Mia eventually began suffering 100 seizures a day. Her parents were eventually told by Mia's neurologist that nothing more could be done, and were almost ready to give up after seeing their daughter in another medically-induced coma. As a last resort, they asked their doctor if they could try cannabis oil. Given that all pharmaceuticals had failed, he agreed. Within one day of trying cannabis oil, there were drastic changes, including a cessation of Mia's seizures. An EEG showed the oil had "calmed her raging brain." Doctors

said the EEG was comparable to someone with a benign form of epilepsy, after just one day. Mia is now down from 100 seizures a day to seven in the past eight months, and has also gone from being completely speechless to using multiple words.



An April 12, 2014 WashingtonPost.com article examined several families from Northern Virginia resorting to cannabis extracts to treat their children (http://www.washingtonpost.com/local/northern-va-families-move-to-colorado-to-get-medical-marijuana-for-children-with-epilepsy/2014/04/12/859b65a6-bf60-11e3-b195-dd0c1174052c_story.html). Jennifer Collins, a teenage epilepsy patient, experienced up to 300 seizures a day. After beginning cannabis oil (likely high-CBD), Jennifer’s seizures have “all but stopped.” Moreover, Jennifer says she feels a lot better – she can focus more, does better on school tests, has better memory. The cannabis extract’s effectiveness is clearly extending beyond seizure control, which alone is potentially life-saving. Another patient’s mother, Dara Lightle, saw her daughter Madeline experience a drastic reduction in seizures. Moreover, “unbelievable anger, kicking, and screaming” were replaced with reading, and all other drugs besides cannabis oil were discarded. Before-and-after EEGs showed drastic differences.



Cyndimae Meehan is a Dravet patient whose family moved to Maine for access (<http://www.wcsh6.com/story/news/health/2014/05/20/bringing-seizures-under-control/9358465>). Her parents originally used cannabis oil they got from a friend, which led to a three-month seizure-free period. Upon running out, the seizures returned, and Cyndimae's neurologists suggested the family move to Maine. Reintroducing the medicine has once again produced stunning results.

July 30th articles on both Yahoo Health and DailyMail described the case of Nettie Raenetta (<http://www.yahoo.com/health/infants-life-was-saved-by-cannabis-mom-claims-93327499772.html>). Nettie was born with hydrocephalus, a rare genetic disorder causing buildup of water instead of brain tissue in the skull (<http://www.dailymail.co.uk/news/article-2710488/The-mother-toddler-sent-home-hospital-die-claims-daughter-making-miraculous-recovery-thanks-CANNABIS.html>). Within weeks of birth, she developed epilepsy, cerebral palsy, partial blindness, and other delays. She suffered from five different types of seizures. Rachael Garner, Nettie's mother and a certified pharmacy technician, turned to CBD oil after Nettie was diagnosed with two strains of pneumonia and doctors said she would die within days. While aware of CBD's benefits beforehand, Rachael had not tried it in light of her state's prohibitive laws. Rachael was sent a special CBD formulation by Stephen Carmen of Carmen CBD Oils. The formula consisted of 25% pure CBD and 75% organic hemp seed oil. Within 24 hours of the first dose on July 2nd, 2014, Nettie began experiencing a remarkable turnaround, such as cooing for the first time in her life and smiling when being picked up, instead of scared. She has also remained seizure free since her first dose. The author spoke with Rachael, who described other benefits like Nettie being able to hold her head up independently for short periods of time. Speaking with Rachael was very emotional, and her feelings perfectly represent the true desperation and urgency that parents experience when trying to treat their sick children with a simple plant-based, yet illegal, medicine. In The Daily Mail article, Rachael stated, "There is no doubt in my mind Nettie would be dead today if it wasn't for Carmen CBD Oils reaching out to me to help."



Ms Garner said the medical cannabis treatment made a 'drastic change' in Nettie, 'the expression of happiness on her face was astounding'

An August 3, 2014 article outlines Sara Estrella's positive experience with cannabis oil, which her parents produced at home apparently with the Magic Butter machine

(<http://newjersey.news12.com/news/shawnea-and-ernie-estrella-of-franklin-say-medical-marijuana-brought-back-daughter-s-ability-to-speak-1.8954329>). Brain surgery and seizures had left Sara unable to speak at the age of 5. Her parents, Shawnea and Ernie, say that the oil restored Sara's speech after 17 years of silence and led to a reduction in seizures.



Another child, 9-year-old Kalel Santiago, became able to speak due to a form of cannabis extract treatment (<https://www.yahoo.com/parenting/controversial-cannabis-treatment-helps-9-year-old-120157532312.html>). At 10 months old, he was diagnosed with neuroblastoma and required chemotherapy, radiation treatments, and surgery. He was subsequently diagnosed with severe, non-verbal autism. Kalel's parents learned about hemp-derived CBD oil from a surf therapy fundraiser, and decided to try it. Kalel initially received twice daily doses, sprayed into his mouth. After just two days, he spoke for the first time in his life. "He surprised us in school by saying the vowels, A-E-I-O-U. It was the first time ever," Abiel, Kalel's father, said. "You can't imagine the emotion we had, hearing Kalel's voice for the first time. It was amazing."

Kalel's therapist, Dr. Giovanni Martinez, was also deeply impressed by the progress. "Like his parents, I am also in shock. I never got him to speak, and it was something that was haunting me. Language was something that was missing... Imagine a mom who has been waiting almost 9 years to hear her child speak?"



Facebook Testimonials

Many people have posted experiences on Facebook, either on their own pages or dedicated groups intended for collecting testimonials. A variety of screen captured testimonials are shared below, with generally no modifications besides minor formatting.



Rick Simpson shared Trena Martin's photo.

26 August

This is an exhaust burn (on a leg) that has been treated for 4 days with antibiotic cream and then the right side was treated just once with cannabis oil. Hmmmmm, marijuana is medicine!!!
The patient also reported that the pain was relieved.





Rick Simpson

"Just treated my Dad who was diagnosed with bladder cancer. The tumors were dead after 5 weeks of treatment. Thank you Rick Simpson for your knowledge, inspiration, determination and your love for the people." Christine

"Because of Rick, I have literally seen the results of RSO. I worked for a clinic for a short time. When I started there a man came in with stage four throat carcinoma. He was put on RSO. 90 days later he was completely cured." Carl

"My mom cured her stage 3 small cell lung cancer with the oil!! Did I mention she was cancer free only four months after diagnosis? Well, that's what happened. " Dawn

"My dog had 3 weeks to live. Mass cell tumors all over his purebred pit bull body... After 3 weeks the tumors r shrinking on the ISO/RSO. I swear. He has peed himself a few times an acted drunk but I knew it was for the better. He's still on it. Even when they disappear I'm still gonna make him his med. Love you, JB and Rick." Bocaj





Rick Simpson

"My dad also has pancreatic cancer that spread to his liver and lung during chemo then it spread again he was very unwell and deteriorating quickly. He started the oil 3 months ago latest scan on Monday shows all 7 spots have disappeared and pancreas cancer has shrunk he feels 100% better" Lisa

"I used oil I made myself using Rick's video instructions and cured myself of Stage 4 Diffuse Large "B" Cell Lymphoma, a supposedly "incurable" follicular cancer in just 58 days!!

Since then I have continued to make the oil for myself and others and seen over 10 confirmed cases of Lung, Breast, Prostate, Brain, Colon, Leukemia, Pancreatic, patients cure themselves using dark green oils!! I make oil using BOTH leaves and flowers because of the special anti-inflammatory compounds found ONLY within the green leaves!

I lost my entire large intestine in 1992. I have had a 'pouch' made from my small intestine that works like normal plumbing for 20 years that should have worn out 7 years ago! According to my gastroenterologist at PAMF; He credits the heavy cannabinoid use to a healthy pouch "in better shape than 20 years ago the day it was first put in." He has heard the same results from many other patients who use cannabinoids and now recommends it to his patients!" Craig

"I just want to thank you. After 5 years of "Watchful Waiting", my husband's Follicular Lymphoma is rearing its ugly head. He is 3 weeks into the oil and feels great, even golfing 4 days a week. I will keep you updated as we continue." Joyce

"I went for my 2 year scans and they are TOTALLY CLEAR OF CANCER AND THE RADIATION DAMAGE THEY SAW A BIT OF LAST TIME. I AM TOTALLY FREE OF DISEASE, RSO OIL. WHAT A GOD SEND RICK SIMPSONS OIL HAS BEEN TO SO MANY... THANK YOU FOR PASSING along all the info you do." Linda



Kane Slater

Testimonials via Rick Simpson:

"I treated my dog's tumor on his ear with RSO... It was HUGE and now it's GONE!!!!"

- Andrea

"My dog had a tumor that the vet didn't want to operate on!! It's kept splitting open and getting infected. I used my RSO oil mixed with coco oil, and applied topically daily till the tumor had vanished. No growth inside or out of my boy!!"

- Boris

"Yes, it will help your dog. My dog had seizures but not one after I started him on the oil!"

- Shelagh

"Like Rick knows, we've been using the RSO on our dogs and horses along with ourselves. It seems to us that animals are a lot more respondent than humans. We attribute this by not only how many receptors they have, they are a truly an innocent patient."

- Brewster



Corrie Yelland, a documented case mentioned in this section, unsurprisingly made a very joyous post upon finding out she was cancer free.



Corrie Yelland

IS CANCER FREEEEEEEE!!!!!!!!!! That's right my peeps....CANCER FREE! RSO AND I freakin' DID IT! The doctor said he would have never even known I once had cancer if it wasn't for the scar tissue. He can see absolutely NOTHING left! I am soooooo emotional right now. When I declined radiation, I was told 2-4 months, maybe 6 and now here I am free of cancer. I'm in a state of disbelief. To each and everyone of my INCREDIBLE friends who helped me through this and so generously helped me get the medicine--there are NO words that can adequately tell you how grateful I am to each and every one of you. I love you all!



FRONT VIEW

CANNABIS OIL ON NECK~ DAY 1

DAY 7~3.5 GRAMS OF OIL CONSUMED ORAL&TOPICAL



SIDE VIEW



Gersh Avery ▶ **Janet Sweeney**

"your oil is amazing. we have a lady that has her muscles that have stiffened up to the point of paralysis for unknown reasons. heavy metal poisoning is what we suspect. she was moving parts including her kneck that has not moved in a long time
She slept restful for the first time in 10 years.

she will need company for a while. anytime in next week or 2
joel was there last night for a few hours
her whole torso has tensed to the point of paralysis and its going into her heart and lungs
this oil makes her muscles relax for the first time in 10 years gersh"



Clint Werner

I just heard back from a friend who has been battling a bothersome precancerous lesion for 8 years, without success from the standard treatments. After about 1 month of using naturopath-grade oil (made with food-grade solvents, thank you EJ) the lesion is almost resolved, she is amazed. She didn't expect it to work but tried it at my insistence and is amazed. Apparently her dermatologist is unreceptive to the idea that the only positive results have come from cannabis.



Vicki Paster Garland

34 minutes ago

So yesterday I was with my friend who wrote, "Hey, Vicki, just wanted to let you know, my mom got her latest scan results yesterday and she is in full remission!!! There is no sign of any cancers on any part of the scans!!! Just try and shut me up now about this oil curing cancer :)"

I urged him to write the story of his mother & how her process went considering she did not like the RSO at first... She was diagnosed with squamous Stage 4 cancer all across her entire abdominal area, prognosis 11 days to 11 months... Before her one round of chemo & the suggestion that she have 2 more rounds which she denied, Adam began her on the RSO. Now, 4 months later, she has NO cancer.

As soon as the full story is written I'll post it & if anyone has any ideas of where to send it to get it OUT, please let me know!



Aamann Degarth

Condition(s): Diabetes (letter writer), chronic pain for her husband.

Oh my gosh Aamann,

I must tell you that I started taking 2 pills yesterday to see if any difference. (I normally take 2 pills of janumet 50/500mg, am & pm for diabetes. I normally wake up with a blood sugar anywhere between 90 - 130.

Last night I did not take the janumet only oil and blood sugar was 110 this morning and I lost another pound and a half. I forgot to tell you, we are running low...you probably know that already.

I also forgot to tell you that mike is also off the tizanidine 4 mg pills he took 3 times a day for muscle spasms...that and the dilaudid 4mg 6 times for pain... That's 9 pills he don't have to choke down.

I also find that he is more comfortable and sleeps actually sleeps.

Thank you again.



The author spoke with BayAreaCannabis at the Eighth Clinical Conference on Cannabis Therapeutics, who confirmed this result was achieved only with topical application of cannabis oil.



Joe Draper

So I've been on the oil for a little under 8 weeks. I watched Run From The Cure, Read a book called "live free or die" and read a lot of information before taking these meds. I mean the United States government has a patent on it. I have Ulcerative Colitis for over 20 years. I have never experienced the amount of remission in that short of time taking any medicine that was given to me by a doc. that's over 20 years of their medicine. I have experienced some symptoms in the last 5 weeks. I think that had more to do with taking the right amount. I am very impressed with results, Thank you guys for letting me be here and learn.



Bayareacannabis Miracles

Big phone call just now. A very nice lady that had Breast, Bone and lung cancer. She slowly walked up the dose latter and as she did, her test results began to come back better and better. Then the scans. The doc had her sit down and told her the conventional medicine has failed her but whatever she is doing is healing her. Up goes the scans and all the holes in her bones were gone. The 60 ml's of fluid out of her lungs, they took, was tested and no cancer. No cancer can be found anywhere. The other day she called and said I am so sick. Detoxing from everywhere for days and asks what can I do. They set her up for further testing. So I say knock your dose in half. She was confused. I said to reduce her dose directing in half. Bingo. All the stomach issues, nausea, direrria has backed off and she is now stoned again. She is on mirco dosing at this point. After the saturation point, and it's different for everyone, there is a bad detox that happens to so many. This is the point to reduce, not push through. Starvation has never healed any one. Cut that dose in half and in half again till you stop the madness from detoxing you into starvation. It works.
-Bay



Matty Kush

Forward of my earlier post, in which I stated that CBD infused coconut oils have triggered hair growth, this is a comparison picture, which should make clear the difference in hair coverage within the area 😊



Matty Kush

Hey guys 😊 So I've been applying cannabis infused coconut oils to my little baldy spot (which wasn't so little at the time) and poof, my hair is growing back.

I'm wondering if this will be effective for those undergoing pharmaceutical treatments which actually cause hair-loss in the first place.

What do you all think?



Charlie Renaud

I cured my 14 yr old house cat from cancer using RSO.

May31/12 - my cat, George, suddenly curled up in a closet to die, and stopped eating. All of a sudden. He was gagging, like he had something stuck in his throat, or trying to vomit. I called my vet and described the swelling I saw at the back of his mouth, on the left side (his right). His right eye was also beginning to bulge out. Vet said it could be 2 things, a tooth abscess or cancer. I made an appt to bring him to them in the morning and immediately gave him a dose of Oil. In the meantime, he was not eating and clearly dehydrated. So, I asked them how I could feed him, since they advised me cats cannot go without food for days like we can. So, I had to mix his food with water and feed him with a syringe and give him supplemental water with a syringe also.

We took him to the vet in the morning for him to officially diagnose him, and he confirmed immediately that it was Squamous Cell Carcinoma. Deadly and common for older cats. He said the eye bulging was tumour growth...spreading. They said euthanasia was the only option, it was fatal and fast moving! I told him that I was going to treat him with Cannabis Oil, and in fact, had already given him his first dose. The eye bulging stopped and receded 2.5 days into treatment so I knew it was working. I brought him back in exactly 7 days later and the tumour that had been the size of a Toonie on June 1st, now on June 8th, was less than the size of a dime!!!! The vet said, "Miracles DO happen".

My cat finally began eating again on his own on day 5 of treatment with the oil. I stopped giving him the Oil after 12 days, since he was totally back to normal and has been since. In fact, I think he is healthier now!



Starling N Wickes ▶ **Cannabis Oil Success Stories**

21 November 2014 ·

I Cured my GS mix, Punky Brewster, from a tumor on her chin, with Cannabis oil. #GetEducated #Cannabis #Pot #weed #FarmerLife #thc #cbd #organic



Sandra Lee Hanes I have given the oil to 5 people between initial office diagnosis of, possibly Cancer on the patients face, and biopsy, using only topicals, cancelled the biopsy "because the CANCER JUST FELL OFF!". I just get such a kick out of it! It is no longer a avant-garde, but pretty "mainstream".

29 June at 11:45 ·



Corrie Yelland

Sharing this update from one of my Peeps who was diagnosed with Stage 3 Rectal Cancer.===

"Feeling so happy today! Tumor marker test is 1.3! Oncologist originally said that anything less than 10.0 he considered cancer free. I haven't even had surgery yet! Thanks to all of you for your hard healing work, continued support and prayers, they are working! — feeling blessed."

Again, CANNABIS OIL KILLS CANCER ❤️



Sarah Mac ▶ **Cannabis Oil Success Stories**

Ok guys I have a question. I have made the oil before and used everclear so no worries, one for pediatric and one for a cancer patient (different strains). However I give my daughter a coconut infused (crockpot method) medible.. It works. She has a one of 30 in the world seizure disorder and goes status.....tonic clonic, for HOURS. Her longest was 9, shortest was 3. Now with the coconut oil we have had ENORMOUS success. She had a status seizure, only 1 in the past 3 months which for her is unheard of and it only last 25 minutes. Her rescue meds no longer work (intramuscular midazolam and intramuscular fosphenytoin that I use at home) so I wasn't even going to attempt to give it to her. I gave her a high dose of the infused coconut oil rectally. It frigging worked and that is what sold me completely on this (I am very skeptical, things have looked up for us in the past but never panned out). Her condition is terminal and this was our last option. I am now getting angrier that mmj isn't the standard of care and they try a bunch pharmaceuticals first. Now I am thinking about switching her over to FECO but I am leery because this is working. Her eeg looks great and I have never heard drs use the words eeg and great in the same sentence. Ever.

What do you guys think? Move her over to the oil or don't mess with whats working?



Wendy Peterson

At the oncologist appointment yesterday...I received fantastic news!! My breast cancer is totally gone and they can't find any cancer cells anywhere in my body! Thank you Cannabis, Broccoli Sprouts and Turmeric Spice!! I did no mastectomy, chemo, or radiation like the doctors wanted me to. The appointment was very awkward and I could tell the oncologist didn't really want to be there. He never said congratulations or asked what I was taking. So my husband told him anyway. He kept wanting to leave, but we kept talking to him. The gals in the office never said a word to me about the good news although a man that went through chemo and the works was congratulated when he got good news that his cancer was gone. I wasn't surprised though! I'm going to take a maintenance dose of everything I took for the rest of my life probably. Thank you Cannabis!



CANNABIS CURES CANCERS!

Just posted to CCC!

Craig Goodwin: I know what your going through Billie, I myself have just cured myself of liver cancer, I was told 4 year ago to get my affairs in order I had a 5% chance of making it through 2 years, they started me on a treatment program of radiation and chemotherapy, the treatment was awful it was stripping the life out of me, my wife found Rick Simpsons cannabis oil cure on UTube so away we went even though in Australia it's illegal. We made oil from flowering heads and I started consuming 5ml a day as well as vaporizing and cooking it in food, 8 weeks later I was totally clear of any cancer and the cannabis helped me cope with the side affects of modern medicine



Becky Haines

Been sick since Hep C treatment in 99, and 2001. Although it cured the Hep C or at least not detected, I ended up with many chronic conditions, 19, Fibro. Chronic fatigue, epstein Barre, high blood pressure, goes on and on. Ended up housebound and on Disability. In 2010, I was diagnosed with a rare stage 4 Cancer called Mucinous Adenocarcinoma. I was told I had 5 yrs. if they could find and kill the unknown masses. After surgery to remove a 2 lb. mass, and 6 months of chemo. with no changes in cancer blood counts of ceas. I did the chemo. for my kids. they didn't understand the science of the cannabis oil that I did.

Starting in 2011, introduced the RSO, heavily :), Duke was amazed as Tumors started to suddenly leave! It took about a year into 2012 til I felt I was free of the Chemo. effects and the Cancer. The biggest amazement was that my pain, Fibro. High blood pressure and actually 18 of all those chronic conditions went away! Still in amazement, i had to wean off the oil in Dec. of 2012, I'm not living in State that understands this yet :c, but felt I needed to share this story for not only the Cancer patients, but to all those to have suffered treatments for Hep C in the 90's and also for our Fibro. and chronic fatigue friends out there. One Love...#livinglifeinNC



Debbie Luttrell

My daughter has been taking cannabis oil for 2 months, yesterday she had her blood work done and the doctors frightened her at first because of the way they were looking at her and talking, then they walked over her doctor knelt beside her and scared the crap out of her, she was expecting him to say she had relapsed, Instead he said they are amazed at her counts her neutraphils are the same as a normal persons and they didnt expect to see these results for at least another year and a half, and whatever she was doing to keep doing it, she told them she was ingesting cannabis oil and the doctors just looked at each other one doctor said what is that and so she told them, they didnt say anymore just told her to keep doing it because its working...:)) Cannabis cures cancer



Steve Jones

I was suffering from a horrible case of the shingles. I had it all down the left side of my head, down the left side of my neck & shoulder. By the time I had received the oil the shingles had made it down my chest and belly. I applied a thin layer of the oil on the spots on my belly, chest, shoulder & face. The next morning the spots on my belly & chest were completely gone. But because I was late on getting the oil on my shoulder & face, there were still some small sores on them. If I had not used the oil, I'm certain they would have been bigger. Today all I have to show that I had the shingles is a small discoloration on my face in front of my ear. Thanx to the oil, it is barely noticeable.



Barb

good morning! I had to share with you this morning... many of you know me and know how cannabis oil REVERSED my fibromyalgia, ive been using oil since march 14th, and reveling in my new found health and agility. well yesterday, I MARCHED AGAINST MONSANTO!!! yes, me! walking that far! how exciting that is! used to be that I woudnt drive that far, let alone, walk, carrying a picket sign and no one knew that I used to be crippled! oh, happy day!!! ❤️



Bobbi Jo Floyd

We've had great success stories! A message today of a local 5 yr old on Deep Green full plant extract by Grandma Cat has reduced her many little tumors for 2nd time on her MRI.



Kathy Hipple Morgan Wonderful someone is taking note to this cure I believe to be! My 4 yr old daughter has a rare brain tumor 0% survival but on cannabis I've watched my daughter go from unable to walk or use her right hand only after 1 month of taking she is now back in Cheer ballet and acrobats!!! Thank u cbd! Thank u for supporting this cause and raising awareness this will save many lives



CANNABIS CURES CANCERS! First post on the CANNABIS CURES CANCERS! Facebook Group, January 7, 2010:

via Joseph Siler:

I used Cannabis Oil to treat Basal Cell Carcinoma on my head neck and face. SUCCESSFULLY. This is an ideal cancer to do research on. It is clearly visible to the naked eye, and any changes that take place are easily seen. I've tried to generate interest in this here in the US, but the feds have anybody, and it seems everybody scared to death to touch. See what you can do.

Cannabis Kills Cancer!

June 10, 2012 "I was diagnosed with Prostate Cancer I'm going to start treating it with Hemp Oil. The reason why I'm treating it with Hemp Oil is because I looked at a video called RUN FROM THE CURE by Rick Simpson, it documents how he cured his Melanoma Cancer by using Hemp Oil (cannabis oil)"

July 12, 2012 "Got my blood test results back the Hemp Oil (cannabis oil) is working! PSA DOWN to 2 (below 4 is normal) yes"

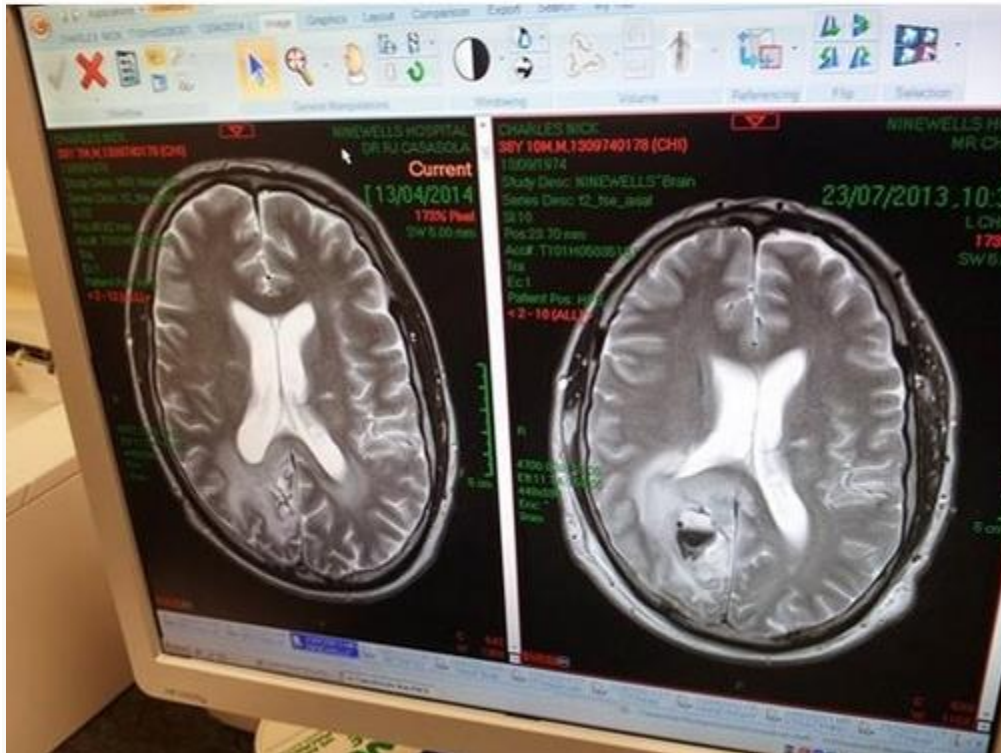
July 15, 2012 "Did I mention I am 99% CANCER FREE? Thanks to Hemp Oil (cannabis oil)"

Tommy Chong,
verified twitter account



Nick Charles

My new scan results am well happy cannabis oil has saved my life tumour almost away so so happy and lucky to be alive much love to Corrie Yelland and Robin Swan for all there help with the medicine xxxxxxx — with Glad Taylor.





CANNABIS CURES CANCERS!

Gerry Malone to CANNABIS CURES CANCERS!
November 18, 2013

... I sourced the material as outlined by Rick Simpson and produced the RSO.
Following all instructions for the extraction process and using Naptha as my solvent, I had the finished oil in syringes and started to ingest it twice a day, a tiny amount each time.
I completed my 4th follow-up at the Cancer Clinic and they stated that the CT Scan does NOT show anything that would indicate the presence of CANCER.
The blood work showed CEA level at 1.4, but what the heck, everyone has a cancer cell or two in them.
They consider anything 5+ to cause concern.
I am now preparing another batch and will ingest daily as a preventative measure.

To ANYONE suffering now from cancer I suggest you do the same.
We have NOTHING to lose and everything to gain.

Gerry Malone to CANNABIS CURES CANCERS!
May 7, 2014

YIPPEEEEE!!! Clean bill of health from the surgeon who carved me up 18 mos ago and removed a massive cancer tumor from my colon.
There were two polyps on my colon at that time one year ago after the ostomy reversal surgery.
They could not be removed at the time because they were scoping me to find the source of internal bleeding.
They didn't want to complicate things.
Those polyps had NOT changed any, and they were removed.
The Doc says "your colon is SPOTLESS- come and see me in a year and we'll have another look".
WOW!!!! 18 Mos ago they wanted to start blasting me with CHEMO and RADIATION.
I opted for a more NATURAL treatment , CANNABIS OIL.
--A DROP A DAY KEEPS THE CANCER and the Doctors AWAY.
:):):):):)





Linda Todd

24 May

In 2010, I got encephalitis while in the Middle East. I was in a coma for over 2 weeks and was not expected to survive.

I did, but even with that, my long term prognosis wasn't really good. I was expected to have to live with some level of physical and possibly psychological/intellectual/emotional disability for an undetermined number of years, perhaps the rest of my life.

Since I was only 45 when I got sick, "the rest of my life" was too long to just surrender to the devastating aftermath of this illness.

I had done a lot of reading on the healing effects of cannabis on the brain but there had been no research on the relationship between a post-encephalitis patient and cannabis.

So I did my own "research" using myself as a test subject.

I cooked the whole plant down in a base of simple canola oil (to be used for baking) and started making cookies.

I took one or two cookies everyday before bed as long as I was still noticing any symptoms (mental or physical)

I am part of an online forum of encephalitis survivors so I read their stories and interact with many people in my similar situation.

My astonishing findings are that NO ONE that I have read about or communicated with can claim full recovery. Everyone is left with some devastating symptom that has changed their life in one way or another.....except me!!!

I have read of NO ONE using cannabis to help restore their body or brain (post encephalitis) but I can tell you that I am 100% recovered!

When I went to my neurologist and asked her to sign off on "letting me" obtain medical marijuana, she refused saying "We haven't tried everything yet" and prescribed me synthetic THC!!!!

I threw away the prescription and bought shake, cooked it down and made my own medicine.

I am now healthy, active, have taken courses to prove to myself that my brain is capable of anything and everything!!

I would love to pass my testimony on to someone doing research.

Although my story is anecdotal and not "scientific" research, I think it would still be useful.



Peter O'Toole

This is a story about a patient that we are currently consulting that was sent home to die with a stage 4 lung cancer that spread to his brain. He was on hospice, unable to accomplish even the most basic tasks like urinating in a jug. He had no hope. He was given his last rights even. And then his little buddy met Uncle Pete that obviously exposed to the truth about cannabis oil. With reservations about how true this really was, he went on to help this wonderful family. Below is the note I received today after his Dr. appointment and blood tests.....

Everything is good everything....blood is perfect, hospice is gone, physical therapy now starting, chemo brain is going away...nurse " wow this is so amazing, his oxygen is perfect and his lungs are good, that is good stuff". Doc "Bill you are going to be fine and there is no doubt in my mind u will be here for a while"... GOD BLESS U... Family in tears...

This past weekend Bill and his wife renewed their vows after 30 years of marriage. The same minister that read him his last rights, renewed the vows just 5 weeks later.

This will be one of our testimonials for our documentary. 😊



Peter O'Toole

12 January at 21:29

We're the Lockwoods. Our son, Calvin, started using cannabis to control the pain caused by bilateral retroversion. Calvin also has autism, was nonverbal, self injurious to the point of 911 calls and bed restraints at emergency rooms.

We struggled to afford the \$1200-\$1500 price tag attached to Calvin's cannabis. We started talking to Pete in a pediatric cannabis therapy support group. I had just run out of Calvin's meds. Pete told us that we needed to start growing & processing Calvin's medicine. We were like, say whaaaaat? But here we are, a year later, growing & processing his meds and he's never been better. That day, Pete walked me through how to make meds for Calvin. It took some time to find his sweet spot but Calvin is no longer self injurious or aggressive. He's attending public school for the first time since the 2010-2011 school year. He hasn't used his PRN (pharma) in 6 months. He's acquired 60 new words verbally & he said, "I love you." He's sleeping at night, instead of eloping and we're able to go sit down at restaurants.

Thank you, Seed2Cure for teaching us how to be self sufficient. Thank you for spending time helping us, when we were strangers. So happy to call you guys friends.

For our website from Rebecca Lockwood. 😊

Meet 11 yr old Allison Lysiak



Allie has extraskeletal myxoid chondrosarcoma of the soft tissue. Chondrosarcoma does not respond to chemo but hers is a myxoid with Ewing, that does take to chemo. Her family told the Dr. ((NO)) and she has been using Cannabis oil since January 2013 and she is **CANCER FREE!!!Cannabis oil kills Cancer!**

Unfortunately, the author was informed by another child patient's mother that Allie passed away in June 2014. Her cancer returned, and the family was not able to give Allie consistent doses of cannabis oil. It is impossible to know whether a complete treatment would have saved her life, but she at least should have had the chance to try.

Meet 2 yr old Loralai



Unfortunately, Loralai passed away on January 2, 2015. While the numerous treatments could not cure her, Loralai's mother said the cannabis oil drastically improved her life

(<http://www.ladybud.com/2015/01/05/little-loralai-passes-on-after-battling-brain-tumor-with-cannabis>).



Nettie

Phenobarbital 2x Daily

Dilantin 2x Daily

Kepra 2x Daily

Morphine every 4 hours; Klonpin for breakthrough seizures Could NOT control our Nettie's Neurological conditions and was sent home on hospices services on June 22 2014

100% CBD Oils 5 DROPS DAILY <<< has kept our Nettie seizure and event FREE for 18 days since beginning treatment on July 2 2014 with NO OTHER medication!!!! #NOMoreWAITING #CBDcures #yesON2inFL #TEAMnettie #POSITIVEenergy

Saturday at 21:16

I would like to let you know how much your medicine has helped my dog Kepler. Back in May his vet diagnosed him with an unknown cancer of the skull, growing behind his eye and extending into his sinuses and brain. Both his regular vet and a professor of oncology at UC Davis only gave him a few weeks to live. He was put on painkillers. I have been giving him a rice grain sized drop of extract every day since June and he is eating well, playing, enjoying life, and seems to be pain free. I am almost finished with the syringe and will be contacting you for another one by phone. God bless you all!
Kepler and **Please Don't Pet Me**



Mara Gordon > Cannabis Oil Success Stories
Yesterday via Mobile



Jeff Hendrix

..... Listen up people ... I cured my dogs brain tumor with Cannabis oil ... Had 2 vets say she most prob had brain tumor due to the fact she started having seizures followed by hallucinations every 2 to 4 days ... after giving her pure Cannabis Oil on her tongue (About the amount of the size of a grain of rice 4 times a day, or about a gram every 2 weeks). Well it took only 3 1/2 weeks and both seizures and hallucinations have stopped ... It's now been allmost 6 months and she has had no reoccurring episodes ... Nikita (My Dog) will be 16 years old in June ... She is a female Siberian Husky and my best friend



Kerrin Doyle

Here's some good news, three of my friends that have been using a coconut and marijuana salve on their psoriasis have noticed serious improvements. The friend who was suffering the worst with psoriasis had a deep cut with an infection. The NHS had been treating the psoriasis with steroid injections and the infection had been with her for 2 years. The salve has healed the infection and the skin in the area she used it. 😊 she is over the moon.

The salve was made using trim from the sugar leaves.

My other friend used to have to sweep the bed of his dead skin every morning :(and now he doesn't 😊
They had both tried so many different cures and treatments over the years to little or no avail. Within 5 days their skin has improved. Ironically they both had the cure literally at their fingertips but did not know.

Thanks to the information being shared by everyone here they are so much happier and healthier.

Share the knowledge people!



Holley Henderson

OMG! Kane ! A new CA'scan shows my brothers tumor has shrunk 80%. Tumor markers are at 94 and his billrubin is normal. They even wanna take out the stents in his bile ducts as the cancer is no longer pushing them closed. God has given us everything we need to survive right here on earth!! Thank you Father. Thank you oil!! Thank you Kane for without your sight we would of never known.



Marlene Ivette ▶ **Cannabis Oil Success Stories**

Success Story:

A patient with terminal lung cancer was told by his doctors that he was a lost cause. He was told that chemo would only and MAYBE extend his life but that he will indeed die from this cancer and that there was NO way he would go into full remission.

He had ONE round of chemo and started on the oil. He was told not to be too hopeful about the first round.

We got him on 2/3 of a gram for a little over a month and then he went back to get scanned yesterday.

The doctors were BAFFLED and SHOCKED. He had reduction in ALL of his tumors and the doctors could NOT believe it. They literally told him that he is the FIRST person with his stage of cancer to have had this type of response to chemo! What a joke!! (They do not know he is doing oil)

We are hoping this encourages the patient to stay OFF of chemo and stay on oil for a few more months before going back for a scan.



Danny Panzella

10 December 🌐

Marlene Ivette Emberlea McCulligh!!

I just heard from my buddy with terminal lung cancer. After two months with no chemo and only taking cannabis oil protocol his doctors continue to be baffled at the rate reduction of his tumors!! The doctor say the radiation treatment he went under two months ago is causing inflammation that makes it hard for him to breathe so they gave him steroids. Overall this is great news and he is highly encouraged by the results!!



CANNABIS CURES CANCERS! shared Brandon Krenzler's status.

Back From The Dead:

Our friend Terry, who has terminal lung cancer was knocking on death's door a couple of weeks ago. He was unable to eat, severely disoriented & incoherent, he was in horrible pain and restless. His close friends and family were coming by one by one to pay a last visit with him expecting the worst. Hospice had him on the final morphine drip, and he was expected to pass.

Erin Purchase went to visit him for a bit and when she came home and told me how bad he was, I decided that I would take some oil to him. The first dose was 1.5 grams of high THC full extract cannabis oil. Over the next week he was given 8 grams of oil. Today we received a call, telling us that he had basically pulled all the way out of it, and recovered to the point of going out for breakfast~ then he will be coming to visit us.

#ThankYouCannabis
#CannabisOilSuccessStory

Unfortunately, Terry did eventually pass away. His extra time and apparently cleaner passing was appreciated by the family.



CANNABIS CURES CANCERS!

Robert Estep to CANNABIS CURES CANCERS!

May 13, 2014

My son has been on High Strain CBD oil for the last 6 weeks following the most horrible news any parent could imagine. After a nearly 2 year battle with Stage 4 Neuroblastoma, it had spread to his brain and there was nothing the doctors could do to save his life.

After a massive tumor hemorrhaged and nearly killed him, I began researching CBD oils, refusing to give up on my 3 year old warrior.

Today, his scans are clear and the small growths that remained are now gone!

I have seen the miracle first hand!

His doctors can not believe it!

They have encouraged to continue doing what we're doing....of course we are!



An update provided by Robert confirms Tristan is still clear.



CANNABIS CURES CANCERS!

17 hours ago

Robert Estep to CANNABIS CURES CANCERS!

August 28, 2014

Hey CCC! It's Robert Estep again. I wanted to share with all of you the wonderful news about my son, Tristan.

Last week, his scans came back CLEAR!

6 months ago we were told he had 2-6 months left and was placed on hospice.

Now? ... He is removed from hospice care and will be starting preschool next month!!

There isn't a word on this earth that can describe our joy!

Thank you all for your support.

We are continuing the cbd oil for the immediate future but the great thing is...a future seems very likely!



Alyssa Myer Chavarria

This is my husband ❤️ We have spent a week on family's ranch in northeast New Mexico. This view is one of several hikes during the week, 1 a day, lasting 45 min - 4 hours, all ascending at 8400+ altitudes... He is what stage IV rectal cancer with mets to liver looks like, on CANNABIS OIL! NO MOUNTAIN IS TOO HIGH!!!!!! 2 more chemo "cocktails" to go & surgery. No big pharma here, not 1 thing!!! The oil and the herbal are his saving grace ❤️ THANK GOD he was open to my research. Its very exciting to see him still working out and doing bucket list things such as this. Stay tuned... P.S. today was our 4th wedding anniversary. Priceless ❤️



Alyssa's husband is Mark Chavarria, a seasoned stuntman who has worked on films including *Inception*, *Iron Man*, *Terminator Salvation*, *Machete*, and dozens of other movies and television shows (<http://www.imdb.com/name/nm0154459>). In fact, he was even in one of the author's favorite shows, *Prison Break*. An excellent article about Mark's path to stuntman greatness is found at the Houston Chronicle (<http://www.chron.com/life/article/Stuntman-Mark-Chavarria-put-his-body-on-the-line-1607422.php>).



Photo By Nick de la Torre/Chronicle

Houston stuntman Mark Chavarria was a stunt man for the movie Pearl Harbor, which was partially filmed at the Battleship Texas near La Porte.

A July update by Mark's wife revealed further progress. Mark himself also posted an update on August 10, 2014.



Alyssa Myer Chavarria

Ok... Where's the rectal tumor??? There is NONE! No evidence of any rectal tumor AT ALL! The original colonoscopy shows a tumor taking up more then half of the rectum. It's G.O.N.E. Still aren't out of the woods & he still has surgeries to do. But CANNABIS OIL WORKS. He also did 6 weeks of radiation and 8 treatments of the "chemo cocktail" & Xeloda pills everyday since last October and lots of cannabis & cannabis oil. NO BIG PHARMA no pain pills no poop pills no nothing. Just God & Mother Nature at their best ❤️ — 😊 feeling blessed with Mark Chavarria at MD Anderson Cancer Center.





Mark Chavarria ▶ Cannabis Oil Success Stories

This site is awesome. I swear I wouldn't be able to do what I do if it wasn't for the Hollywood community and the film industry I work in. I am spreading the word how this oil has saved me, literally. Dr's still can't explain "why" my tumor, stage 4 mind ya, colorectal cancer went away. I owe this site my life ! Thank you !!!!! To see what I do, go see "Transformers IV" , out in theatres now.

Photo via The C.A.S.H. Card Project
June 20, 2014

Meet Ed Moore- Given a maximum of 2 months to live, he is BEATING LIVER CANCER WITH CANNABIS OIL 2 YEARS LATER!

Ed's primary liver cancer was diagnosed April 2012, his tumor was 11cm and we were send home with Hospice and told he could expect two weeks to two month of life.

His tumor had shrunk by September 2012 to 5cm, with tumor markers normal.

Ed has had excellent quality of life, hiking, living a full and active life, tumor marker is staying normal and all values which were out of range are moving towards normal.

Via: <http://cannabis-cancer-info.org/>





CANNABIS CURES CANCERS!

Marlene Thompson to CANNABIS CURES CANCERS!

June 30, 2014 -

I would like to share my story, about cancer and cannabis, with hope that it will help to save more lives in the future.

When the doctor diagnosed me in August of 2012 with non-small cell lung cancer, she didn't hold out much hope for me.

She said this is a very aggressive form of cancer and told me to get my affairs in order.

Things happened very quickly after that, and before I realized what was happening, I was being pushed into the system from doctors, nurses, specialists, that were trying to send me down the tunnel of endless treatments and prescription drugs...

I refused the Chemo, and finally took the radiation, thinking it would help me...it has done more damage than good...

Then I got my miracle, my blessing, my gift of life....

We found Rick Simpson's stories on how cannabis cures!...

I have been taking medicinal oil for almost 10 mos now and it has been a very long time since I have felt this good..

The tumor in my lung (pancoast tumor) has backed right up and shows only scar tissue from radiation.

I take the oil to kill the cancer, to manage the pain and to help me sleep....

Yes, the cancer came back, and I believe it is from the radiation I received.

A lump showed up on my neck in the gland.

Had two cat scans done on it... and the lump, well, the THC had already started its healing properties...

The lump was dead inside, no cells living, nothing inside.

Just a red ring around it..this is more proof, the oil is working!...

I would also like to mention that in the time I have been on THC therapy, I have also PH balanced my system with Lemon juice and Green Tea, for that extra boost to my immune system and to make my body a healthy host, so cancer can't live there!

There are so many health benefits from taking the oil...

I will continue for the rest of my life....





Buddy Rose to CANNABIS CURES CANCERS! Group
June 6, 2014

I was diagnosed with stage IV pancreatic cancer in November and given 3 weeks to a month to live.

I started taking the oil on the day I started Abraxyn and gemcitabine chemo.

Today: Yes the doc credits the Marijuana oil too .

There is only 1 other survivor that started treatment with me in December.

He too did the Phoenix tears I assume.

All the others passed away.

The doctor said "this just doesn't happen! I don't know if the shell that appears empty will go away, I've never seen it go away, but it looks like a dried up fruit and I can't find any evidence of cancer. So all I can say is malignant until proved otherwise, but it looks to me like only the shell and some scarring remain. I find no more evidence of cancer."

I have the medical records, clinical trails and studies as evidence and am going public this month with a documentary.



CANNABIS CURES CANCERS!

23 April

via Mike Stuckel

April 23, 2014

So, here I am 28 months from my original diagnosis of Inoperable Stage IV Pancreatic Cancer!

Quite a feat when your original prognosis was 6 months!

After being diagnosed, I was told of the Rick Simpson Oil by my brother.

I was a little hesitant at first, but after reading what I could find on the internet, I decided what do I have to loose...

My first introduction to the oil was through a West Side Dispensary and it was \$70 per gram or 3 grams for \$140.

The price was steep, but for the first while you are building up you systems tolerance a little at a time so a gram went a long ways.

Well, now I am up to taking the recommended gram a day and needless to say if I was still buying it there would be no way to afford it.

People have come to my aide and supply me with my oil now and I honestly would not be without it.

Started the Simpson Oil and a Clinical Study in February of 2012.

Everything seemed to get a little better right away, and the doctor said the tumor wasn't growing.

This was the norm until October/November 2013 when I decided to stop taking the Simpson Oil.

Well the very next scan showed the cancer had moved to my lungs.

Well, believe me... I got right back on the Simpson Oil!

Once the cancer spread to my lungs I was removed from the Clinical Study, but I ended up being the longest patient on the study!

Now I am taking two chemo's every other week and my Simpson Oil every day and the scans have shown the tumors in my lungs to be shrinking some.

So, I would like to thank the people that make sure I have my oil as well as all the friends and family that have prayed and done so much else for Laurie and I, it is so much appreciated!

God Bless You All!

Oh, and the last time we saw the Doc he said "No eminent death"!!



CANNABIS CURES CANCERS!

Rich Eatwell to CANNABIS CURES CANCERS!
May 3, 2014

I am more than willing to share my story.

After a nearly a month in the hospital plus lots of tests, on January 7, 2013, my doctor diagnosed me with Esophageal Cancer, Crohn's Disease, and Colon Cancer.

My doctor was nearly in tears as he told me that he had never had an Esophageal Cancer patient survive longer than 3 to 6 months.

He started to tell me about how deadly the Colon Cancer was, but I stopped him and asked, "Is it going to kill me any sooner?"

He replied, "No", so I said, "Then it doesn't matter does it?"

Initially I took the meds and had one surgery done, but by May I told my doctor his cures were worse than the diseases.

He had given me my "quantity" of life, I was now going to ensure my "quality" of life.

The last imaging done in May showed my esophagus with tumors all around the inside of it.

I started using Cannabis Oil about that time.

Not RSO, as in my opinion it is just more chemicals in my body to complicate things.

I made my own with a MagicalButter.com machine, natural and organic Vegetable Glycerin, and organically grown Cannabis.

Within two weeks of starting its use, my Crohn's Disease went into remission.

Then in August when I was finally able to get another surgery scheduled, when the doctors went in to cut out the tumors they saw in May, there weren't any.

So in a near panic, the doctor did several scanning and imaging of my body looking for cancer but didn't find any.

Then a blood sample showed there weren't even any cancer cells in my blood.

In addition, after taking Oxycodone for 12 years, I quit cold turkey, 'cause the Cannabis Oil was relieving my pain, which includes a severe spinal cord injury, neuropathy and osteopenia.

Now, a year after I was supposed to be dead, I feel great, I still use the Oil as a preventative medication as both cancers are known to return.

However, my blood work three weeks ago again showed no cancer cells.

I forgot to add, that my Oil has been with a Researcher for awhile.

Initial tests appear to reveal that the CBD's destroy a protein layer on the cancer cells that hide them from the immune system.

Once the protein layer is gone, the immune system kills the cancer like any other virus.





 CANNABIS CURES CANCERS!
7 July -

via Support For Leah Rose Merklin and Family
July 7, 2014

The tumor is 100% stable!!! No change whatsoever! Dr. Nazemi called it an absolute miracle, and asked if she could use us as a reference for other patients because she's never seen this before in a DIPG! [diffuse intrinsic pontine glioma] Incredible! God is INCREDIBLE!!!! Thank you everyone for your thoughts, prayers, support and love!!! In the side-by-side pictures, the right is 6 months ago, the left is today.... Her ventricles, the radiologist felt, were the same, but our doctor felt like they were the slightest bit smaller...which would be awesome! We haven't had hydrocephalus symptoms since December-ish, so we'll go with the slightest bit smaller. So for now the game plan is to stick to what we've been doing, with a little research as to what else we can add intake out of our routine to make this thing possibly shrink, and do imaging again in about 6 months, unless we see a significant change either way. Thank you to everyone again, you're all so amazing! The love poured out over our Leah and our family is truly humbling!



Kane Slater

Mimi Weil
July 4, 2014

While working in a hospital, I hurt my back.
I had abalation, but it did not work and the dr told me I needed my hip replaced.
I went to one of the best ortho surgeons in the country at USC.
His name is Dr Lawrence Menendez.
He referred me to an ortho back surgeon.
I had to have spinal fusion surgery.
When I gave my blood for the surgery, they sent me a letter stating that they had to dump my blood cause I have Hepatitis C.
After recovering from the surgery, I went to find help for this Hep C.
I had a blood transfusion in 1971 and they say that's where I got it.
They put me on Interferon, Ribivirin.
It went undetected for a month and then my viral load started spiking and they took me off the therapy cause I went into respiratory failure.
First time I lost my dreads that were down to my waist.
A good friend of mine made me some RSO and my viral load dropped 500,000 points.
I went to UCLA and they put me on the same meds, but they added Incevik.
That stuff made me lose my mind and I fell about 20 times in a 2 week period.
My son took me to ER and they thought I was crazy.
Dr asked my son and he explained how I was on this therapy and something must be done.
Dr said, "we have to take her off of the therapy before it kills her."
It took me 3 months in bed to get my life back, but I found a lump on my right breast.
I went to my primary doctor and he ordered a mammo.
I went in for the mammo and the tech left the room and came back with another one.
They told me, "We have to do an ultra sound."
I thought ok, when?
They took me to another room and during the ultra sound, she said, "we have to do a biopsy."
I said, "When?" "Right now."
I had stage 2 ductile invasive carcinoma that had already invaded outside of the duct and into my lymph nodes.
I was puzzled because for many generations in my family, no cancer.
I had a bi lateral mastectomy and they talked me into having chemo.
I ended up in the hospital with A-fib, thrush so bad, blisters were hanging off of both sides of my tongue and the oncologist thought I was going to die.
10 days in the hospital did it for me.
I had to keep recovering from all this conventional madness.
I saw 'Run From The Cure' and I went looking for oil, and reading everything I could.
I've been on oil for over a year now and I had a body scan 3 months ago and it was clear.

Interestingly, Mimi's son is Opie Ortiz, who drew the famous "Sun" graphic for the band Sublime.





CANNABIS CURES CANCERS!

Scott Carlson:

My assistant was diagnosed with invasive ductal carcinoma about 2 and a half months ago with a 17% proliferation rate.

6 weeks of just Cannabis Oil at 1:1 THC to CBD and an estrogen blocker.

At the 6 wk appt, the radiologist had to ask her where the tumor was.

Proliferation rate down to less than 1%.

She stopped smoking and changed her eating habits a bit, but nothing dramatic.

She's up to a gram a day both orally and topically.

Absolutely no side affects and hasn't missed a day of work.

I think the most important thing is starting the Oil as soon as possible.



Weed The People - The Movie

11 July

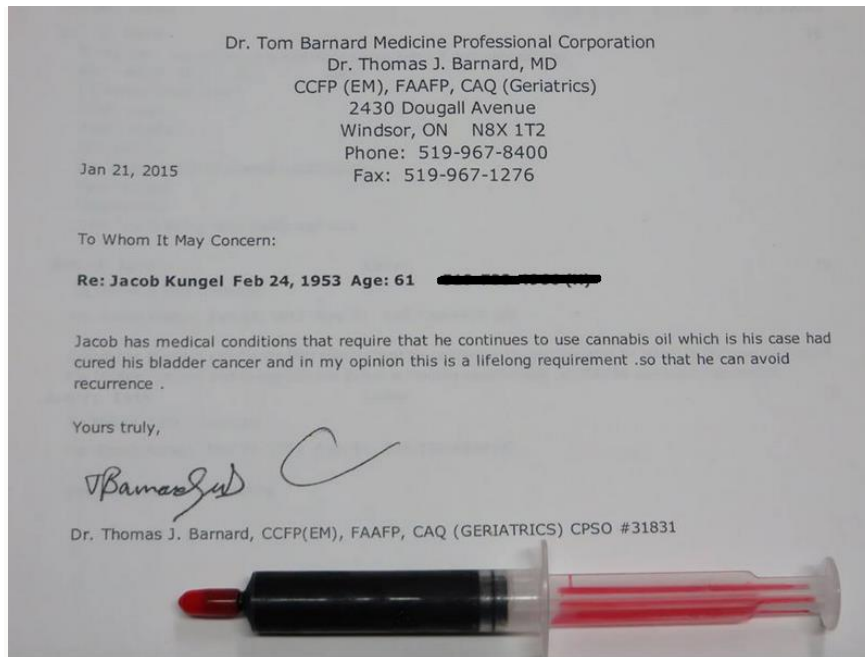
We are continually AMAZED by stories we hear from people around the world, like the one below from Kelly Robinson. It's for Kelly and so many like her that we continue to fight to SET THE RECORD STRAIGHT.

#Cannabis4Cancer

"I have advanced malignant melanoma - stage 4, terminal. I use cannabis oil to relieve all symptoms and side effects of my cancer and the treatments. I have tumors across my lymph system, in bones, brain and on most of my organs - however my blood results are perfect.

The oil helps my appetite, nausea, pain, digestion, headaches & skin (I also make a topical cream too). I was taking so many prescriptions on top of my gene and immunology melanoma treatments that my liver was becoming dangerously enlarged. Cannabis oil fixed that too. My cancer moves so fast (I have a mitotic rate that's off the charts) that the docs didn't think I'd last 4 weeks off of treatment, so far it's been over 2 months since my last successful treatment and I still have to wait another few weeks to see if my new treatment can help me.

I am very advanced but still alive for now & I believe that it's due to the oil topping up my treatment. I only wish I had been using it earlier. My doctors and oncology team are all aware of my cannabis use and are thrilled and amazed at how well it works. The oil may not be enough to completely cure my cancer but at very least it has meant that my last year on this earth was a lot more comfortable & longer than we thought possible. **BOTTOM LINE** - I would not survive without the oil. In fact, I honestly believe it's why I'm still here now."



Jack Kungel

I have all my paper work from the doctors in hand.. and ready to be sent into the government... we are going to kick some government ass.... stayed tuned BAAAAM!!!

Jack Kungel is a patient leader in the cannabis extract movement who has helped countless other patients. He is a strong advocate for the combination of cannabis oil and nutrition for naturally beating cancer.

A post from Being Indian detailed the work of Viki Vaurora, who worked with a patient named Leela (<https://www.facebook.com/beingindianchannel/posts/737503772997624>). There is also an article on Merinews.com about Viki (<http://www.merineews.com/article/interview-with-viki-vaurora-who-claims-to-have-cured-a-cancer-patient-using-cannabis/15902948.shtml>).



Being Indian added 5 new photos.

18 November 2014

Full Story:

What an amazing day with some great news.

A couple of months ago, i was talking to my cousin regarding the amazing benefits of CANNABIS and the reasons for it being illegal. She being an Ayurvedic doctor was quite surprised to learn about the medicinal values of the plant and later informed me that one of her neighbour and a family friend, LEELA, was suffering from cancer. The chemotherapy had damaged her to an extent where she wasn't able to eat, talk, walk or even sleep peacefully. She was throwing up like 20 times in a day and she had to pop like half a dozen of prescribed pills at a time to null the side-effects of the toxic chemo injections. None of the prescriptions was helping her in anyway.

Next thing we know, we asked the patient if she wanted to switch to the "REAL" medicine. A sacred plant, filled with medicinal compounds to cure any disease known to man, CANNABIS / MARIJUANA or commonly referred to as GANJA, in India.

I got my hands on half a kilo of plant buds and extracted all its medicinal properties to its oil base, concentrated with THC and CBD compounds. 14 grams of extracted oil, ingested in small doses over a period of 2 months.

Our patient is now cancer FREE.

And her doctors are curious to know HOW?

just 2 or 3 days into the treatment, she stopped throwing up completely and was able to eat a little and also rest without any pains.

And in the course of next two months, she healed herself completely.

Thank you Leela for being a brave patient, handling the powerful medicine on a daily basis and finishing ur treatment.

Thank you Sowjanya for your brave support in letting me do this. Our world needs more open-minded doctors like you.

Thank you Sushmitha and Harshith for accompanying me in the very long extraction process. (still owe u guys the pizza that we never ordered that night)

Thank you Abhiram for you greatest support. This couldn't have happened without you.

Thank you sowju and Sowmya for taking the test dose.

And thanks mom, for helping me clean seeds from half a kilo of plant

You are all awesome - Viki Vaurora



Emily Ann

19 August 2014 - Edited

ADDING ANOTHER UPDATE: 11/3/14 - My MIL has made almost a full recovery. From near dying to near 100% health - in just 4 months. ❤️

Update for my mother in law - Stage 4 Colon Cancer with mets to liver, lungs, and brain. Sorry it took so long I know you guys have been waiting 😊

History: 48 year old female with no prior health issues. Went to ER 5/7/14 with abdominal pain and vomiting for 1 week. Abdominal scan revealed large mass in colon that required immediate surgery. Surgeon removed 2lb mass from colon that was causing blockage, bleeding, and "crushing other organs". Further scans revealed tumors in liver and lungs as well. 2 weeks later she began having a headache that increasingly grew worse and on 5/27/14 an MRI revealed additional mass in brain that was causing swelling and had begun to bleed. Surgery performed 6/3/14 to remove mass from cerebellum. Doctors gave an estimated lifespan of 3-13 months and recommended chemotherapy to "possibly lengthen her lifespan and double her longevity". She did 4 chemotherapy "treatments" which caused neuropathy in her hands, constant nausea, premature menopause, fatigue, and mild hair loss.

She still has these side effects despite being off of chemotherapy. I cant imagine how much worse it would have gotten.

Started CO on 7/5/14. As of today she has consumed approximately 80 grams and her tumors have shrunk significantly. Some are completely gone. She started by putting a half size grain of rice amount on her finger 3 times a day. This was extremely messy and would stick all over her teeth so I looked thru the files and found a brilliant suggestion by ██████████ ██████████ to drop small amounts of oil into flower, cover it and freeze for a few hours. This creates perfect little balls of oil that are easy to swallow. I can post a picture with instructions if anyone needs them. Its very easy.

Every morning I give her 250mg Citicoline and again in the afternoon. This has helped counteract the high feeling tremendously. I also always have her drink coconut oil prior to taking the CO. She's a trooper and she drinks it right out of a shot glass.

Our main focus in the beginning was to get as much in as possible. The first 2 weeks she would take small amounts all thru out the day. I have to admit it frightened me at first because she was SO out of it. You would think she drank a gallon of vodka. She appeared drunk, had trouble walking, slurred speech, etc. I kept reminding myself no one has died from cannabis (that I know of) and we kept going. On the second day she looked different. Her skin color was back. She was happy. And she kept saying "I know this sounds crazy but I can feel it working. Ive never felt this good in my entire life"

In the beginning she slept a lot. Like 90% of the day. I made her get up and come to the kitchen table at breakfast, lunch and dinner so she could eat and move around take oil. Then she would sleep. Every few hours I would wake her and have her take more. Too me the best time to get those extra doses in is when they are already asleep. I also made suppositories and would give her one each night for first 2 weeks.

The frozen oil balls got bigger and bigger and pretty soon we surpassed the 1 gram a day method that's been discussed/debated and got to about 2.5 to 3 grams a day which has been going really well.

I do believe that CO cannot work alone. You have to drastically modify your diet and use other alternative methods to aid the CO in destroying the cancer. We immediately eliminated as many processed foods as possible. NO SUGAR. I would call it a gluten free, sugar free, alkaline based diet. Again I stress NO SUGAR if possible. If a lot of people seem interested in the diet part I can go more into it.

She also eats approximately 20 apricot seeds a day.

Takes Serrapeptase 40,000SPU three to four times a day to aid kidneys since there is such a tremendous amount of dead cancer cells cycling out
Drinks Raw Apple Cider Vinegar three times a day. w/ honey
1 tsp of baking soda with a little water and syrup once a day * she skips this if nauseous

This section contains an immense body of experiential evidence that clearly demonstrates the beneficial properties of cannabis extracts. Lending further credibility to these testimonials is the fact that similar results have been replicated by formal institutions and respected doctors. In the following sections, these activities will be explored.

4. Corporations and Dispensaries

It is largely because of the dramatic individual results, along with compelling science, that corporations and medicinal cannabis dispensaries have become involved in this movement.

Perhaps one of the first dispensaries to use cannabis oil for cancer was the Liberty Bell Temple. The author recalls talking to the owner or an employee of Liberty Bell back in 2009, while trying to inform dispensaries of the benefits of cannabis oil so they would consider treating patients with it. The person on the phone stated that Liberty Bell was already using cannabis oil to treat cancer, and it seemed they had come upon this knowledge from a source other than Rick Simpson. Liberty Bell Temple was founded in 2008 in Hollywood, California by Robert Forchion, a bone cancer patient from New Jersey. In a May 2012 article in *The Trentonian*, Robert stated, "In California, I not only use medical marijuana, but it's been shown time and time again to shrink the size of my tumors, reduce the size of their growth, and doctors here have no issues with me using medical marijuana" (<http://www.trentonian.com/article/TT/20120508/NEWS01/120509729>).

In February 2015, somebody donated 60 grams of cannabis oil to Robert (going by his middle name Ed in this article) so he could directly treat his cancer (<http://www.trentonian.com/opinion/20150204/nj-weedmans-passing-the-joint-the-cure-for-what-ails-you>). "The government knows cannabis shrinks tumors. I get Bone Tumors; Cannabis Oil has been proven to be effective at reducing the size of tumors, and I wanted to use it. I've been blessed to receive these 60 grams of Cannabis Oil to execute a 90-day self-administered regimen of treatment." In the article, Robert discussed other success stories and the science behind how cannabis fights cancer.

The Med Joint, a non-profit community compassion center in Oshtemo, Michigan, has recorded astounding success with the topical use of oil (<http://mijoint.com/testimonials.html>). Their website lists a wide variety of remarkable successes, largely through the use of non-psychoactive medicines.

Amazing video testimonials of how so many people are learning how to use marijuana as medicine with no psychotropic side effects of being 'high'

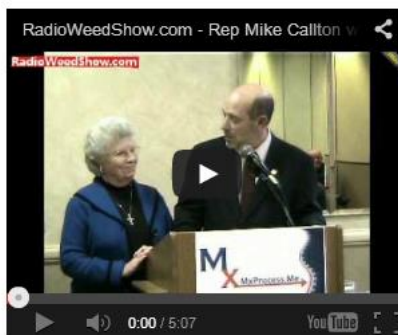
Infused Topical Oil

Pain goes from 10 to 0 in sixty seconds .. with no high:



Improved Life with NO 'high'

Michigan House Rep Mike Callton speaks on medical marijuana, and introduces a guest patient. Helen, an elderly patient with a tremor disorder tells her brief story. Amazing.



Infused Topical Oil

Very bad second degree burns. Pain gone in sixty seconds with NO psychotropic side effects.



Arthritis and Gout

With this feedback the member applied the topical oil to his swollen hand. The swelling is from an arthritis/ gout mix. Without the use of the topical pain oil the swelling takes days to reduce. This happens whenever a low pressure system moves in. This member experienced **NO** high from this type of marijuana administration(topically). We have listed the weather conditions at the time of the irritation.

Patient is a 61 year old 100% disabled vet

Hand has a mixture of arthritis and gout which will act up in this way before extreme high and low pressure systems move into the weather pattern. Swelling stopped immediately the swelling when applied. Oil Decreased swelling by 85% within 30 hours of applying the marijuana infused topical oil. This normally would take 30-40 hours before the initial swelling stops with the swelling being reduced 85% in 4-7 days.

By second day there is **NO** pain!!

-Bullhead

Before Infused Topical Oil



Before applying infused topical pain oil you can see the horrible swelling in his hand.

15 Minutes After Administration



Within a half hour after applying the infused topical oil you can see the swelling has reduced.

30 Hours Later



30 Hours later the swelling has reduced by 85%. Without the infused topical oil he voiced it would take 4-7 days for the same effect. Never suffered the side effects of being 'high'.

Melanoma Cancerous Mole

August 7, 2012



Picture of right arm with a Melanoma Cancerous Mole on August 7th 2012. Before administering the infused cannabis topical oil.

August 28, 2012



This is an update of 3 weeks of healing from the time the patient took off the band-aid that he had on the area for 7 days. He said it looked gross when he took the band-aid off, but today it is almost completely healed. We are amazed in only 3 weeks time. He have been putting on the Cannabis infused topical oil,

about 6 times a day. The compassion center, where I get my medicine from, gives the oil to it's members for free. They really do care about helping people and I have personally met so many people that this oil has worked miracles for them. It should be available in every State in the USA. I use it on so many things that I keep my bottle with me most all the time.

Diabetic Wound

This is a wound on the foot of a 90 year old lady who has been a diabetic for 45 years. The doctor said the wound at best will be there for years... He said; hopefully she won't lose her foot.

Her son gave her two (2) bottles of our cannabis infused topical oil. It only took six weeks for her wound to completely heal.

The following pics are the progression to her healing process!

Week #1



Week #6



Synergy Wellness is a California-based non-profit collective specializing in high-CBD medicine (<http://synergycbd.com>). They feature numerous successful reports on their website, many of which are excerpted below. The "Epilepsy" statement is from the collective, while the other testimonials are from patients themselves.

Epilepsy

We have been using a CBD tincture made from 100% ACDC, in an olive oil base for children with Epilepsy. The results are phenomenal, with positive seizure reduction or total control in over 90% of the children. For children, the best ratio is usually CBD:THC 20:1 to have this effect. ACDC is our equivalent to Charlotte's Web. It has the same ratio of 20:1 and it has the same medicinal properties.

I've been using Synergy Wellness products for almost 3 years now. They have helped me greatly with symptom relief from the conventional cancer treatments that I chose. I've found no better medicine for relief of chemo induced nausea and radiation induced nerve damage pain than the organic, cbd-rich products that are grown with love right here in Marin. It's nice to have a friend that I trust to provide safe and gentle medicine for my ongoing fight. Thank you for your progressive and natural care.

__BG, Fairfax, CA

I had a grade 3 astrocytoma brain tumor. The doctors all agreed that it would kill me. At the hospital, I received aggressive treatment, but it had no real healing value. When I saw what chemo and radiation was doing to me, I had the sense and strength to say no to any more chemo. For the last 5 months, I have not been doing any traditional treatments. I am only taking Synergy Wellness CBD Rich medicine, a combination of 5 different strains. Recently, I went back for a check up. The docs said I should be blind, paralyzed or dead by now. Instead, I have never felt better. The scan is showing zero growth and I feel my life is going to be OK. To me, Leonard is The "Wizard of Woodacre". I believe 100 percent that his amazing magical medicine is saving my life and my soul.

— A.P. London, UK

Great news! We have just had the results from my mothers latest CT scan and ultrasound. There is now no sign of any "discrete mass" anywhere in or around her bile duct AND her liver is repairing any damage that was there! You sir, are a life-saver and have my undying gratitude for the help you have given us to reach this happy state of affairs.

- A.Z., London, UK

I am a nurse who has been disabled with chronic pain from degenerative disease for the past 30 years. I began the ACDC tincture in early march and my most difficult pain was gone within an hour. It has not returned despite my falling, breaking my ankle and hobbling around on crutches. My pain MD, who had recommended the tincture, has never seen anyone with a back like mine, not have an exacerbation of the pain, especially with a broken ankle. Leonard has been a great support and the ACDC tincture he creates has been life changing. Thank you Leonard.

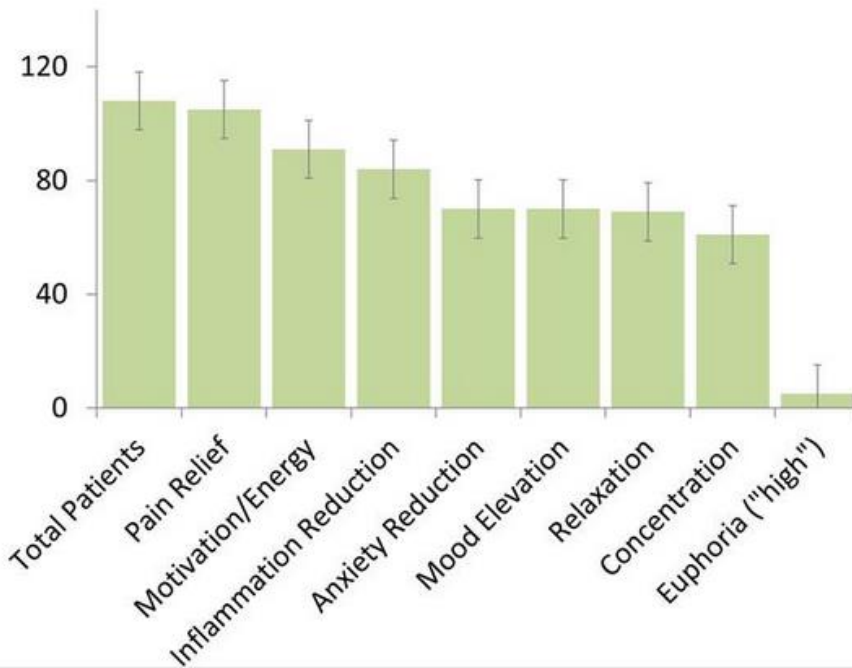
- A.B. San Francisco

My son has epilepsy and normally has between 1-3 seizures per day. Using the ACDC tincture, he achieved an 11 night and 10 day tonic clonic seizure free period...which was great. Still hopeful we can get better seizure control AND the clarity that the cannabis is providing.

- C.M. West Covina, CA

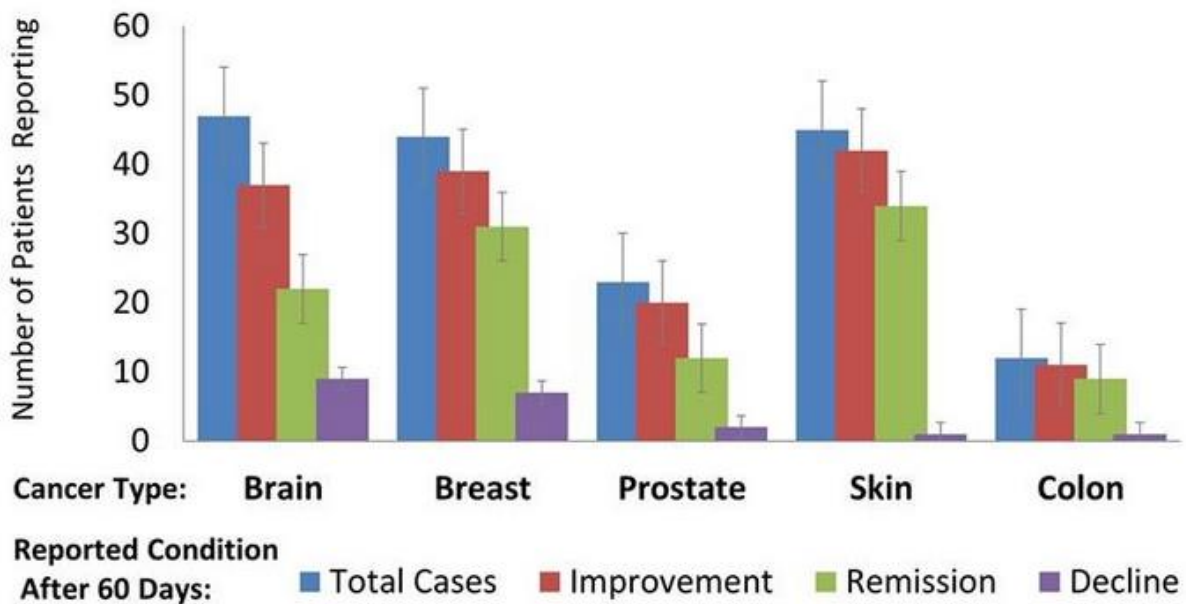
The Pot Lab, a non-profit cooperative, produces high-quality organic cannabis extracts and is dedicated to research into their effects. They also produce non-psychoactive extracts such as THCA tinctures. A recent survey into effects of their Purified Trichome Tincture revealed the following results:

Patient Reports (December 2013): Purified Trichome Tincture™ (2.6mg/ml THC-A) Shows Efficacy Without Inducing Euphoria ("High") in Patient Reports.



A survey conducted by The Pot Lab through social media resulted in the following data surrounding cannabis extract treatment for various cancers.

Preliminary Data:
Survey of Cancer Patients Shows Significant Improvement from Using Whole *Cannabis* Oil Extract Alternative Therapy
(Appx. 1g/day for 60 days with 0.25g/day follow-up. Anonymous, volunteer reporting on social media, names withheld; instances counted independent of information volunteered.)



Compassion Nevada Consulting is an organization helping patients get legal medicinal cannabis cards and acquire medicine. They also teach patients to grow cannabis and use it properly, including in the form of extracts. An “I-team” investigation in Las Vegas recounted the story of a mother, forced into anonymity because of the illegal nature of her actions, who eliminated terminal cancer in her young daughter (referred to as Melissa) with oil (<http://www.8newsnow.com/story/24657397/i-team-mother-turns-to-pot-to-save-daughters-life>). The extract used was produced by two anonymous individuals who claimed they’d seen success with liver, kidney, and lung cancer. Melissa’s mother was told by doctors Melissa would live to a maximum of age three with radiation and chemotherapy. Those options were denied, and after an undisclosed period of time using cannabis treatment, the cancer cells were dead. Adam Sternberg, a cancer survivor and founder of Compassion Nevada Consulting, and who apparently consulted with the above case, stated he has seen extracts “retard and cure cancer”. Adam also stated, “It is helping diabetics, Alzheimer's, dementia, multiple sclerosis, Parkinson's disease, all of these, I swear to God it helps.”

In a December 4, 2014 article, Adam discussed his own battle with cancer and how cannabis oil helped (<http://vegasseven.com/2014/12/04/medical-marijuana-patients-find-helping-hand-compassion-nevada>). Within two years of using cannabis oil and chemotherapy, his cancer was in remission. From his perspective, cannabis oil was responsible for the remission. Adam also remarked on child cancer patients who have been treated successfully with cannabis oil.



The Green Solution is a Denver dispensary with rising involvement in using extracts for cancer. Most recently, a February 2014 article on a local ABC News website discussed The Green Solution's endeavor to raise money for Jonah Allen, a 2-year-old patient fighting inoperable brain cancer (<http://www.thedenverchannel.com/news/local-news/denver-medical-marijuana-dispensary-providing-cannabis-oil-for-toddler-with-brain-tumor02212014>). In addition to raising money, The Green Solution is directly subsidizing the cost of the cannabis oil treatment. The dispensary is owned by the four Speidell brothers, who hope Jonah's case will encourage more research into THC/CBD treatment for cancer, as well as increase assistance to families seeking such treatment.

As of July 21, 2014, Jonah has been doing very well with his cannabis extract treatment (https://www.youtube.com/watch?v=ROUZK_wIMXc). Doctors said Jonah's tumor would only grow and he would have to be on chemotherapy the rest of his life. Using cannabis extracts as the sole treatment, Jonah's tumor has now begun to shrink.



Epsilon Apothecaries is a California-based research entity doing work with cannabis extracts and various diseases (<http://www.facebook.com/EpsilonCo>). It is headed by Dave Mapes, who has been working for years to perfect cannabis extraction processes. He has also achieved amazing results with patients, and provided the author with the following statement regarding his observations.



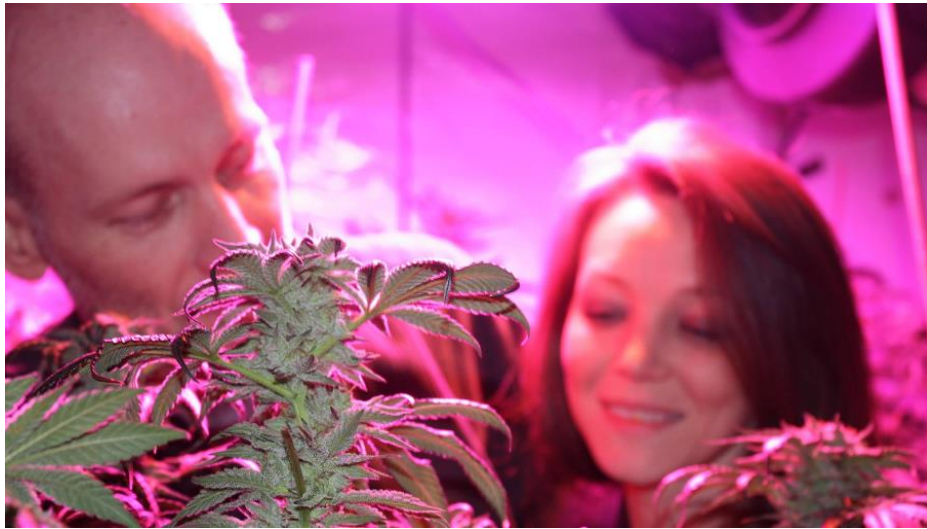
“Generally speaking, my cancer success rate to remission is 80%. To complete cancer "free" status, it's about 60%. This is from the work on 18 stage II-IV cases, including colon, colorectal, liver, kidney, bladder, pancreas, multiple brain types, trip neg breast, prostate, lung, spine. I've worked many individual cases of disease....HIV, hepatitis c, wasting syndrome, etc. Pediatric and adult epilepsy, be it genetic or non genetic, including traumatic brain injuries...success rate is 80%, measured by an 85%+ reduction in observed seizures and 95%+ reduction in documented subclinical activity.

Chronic pain (including neurogenic origins) makes up the largest number of cases I treat, followed by Crohn/colitis, non malignant tumors, diabetes, and dermal disorders. My chronic pain treatment success rate is about 90%, measured by significant and satisfactory improvement of pain levels AND functional improvement (including mental attitude, psych response), as determined by each patient. Neuropathy makes up the majority of pain type and is managed well via my systematic approach. Crohns and colitis are at about 85% success rate, as measured by flare ups and inflammation. Diabetes is going to be part of new studies moving forward, I don't really keep major records of those cases as they're very difficult to examine.

Non malignant tumors are treated VERY well...with nearly 100% success rate, measured by complete disappearance of the tumors.”

One of Dave’s most significant accomplishments is the creation of a free guide about how to produce various types of extracts, including high-THC oils and THCA tinctures. It is located at EpsilonResearch.com. Dave also runs a THCA Facebook group with Mark Heinrich, as a way to directly help people who have questions about extract production and use (<https://www.facebook.com/groups/wholeplanttherapies>).

Cannabis Outreach Collective is a Portland-based organization specializing in high-potency cannabis extracts (<https://www.facebook.com/COC503>). It was founded by Frankie and Erin Wallace, who helped treat Brave Mykayla and have assisted numerous other patients as well. The author stayed with them for several days in early May and can attest to their remarkable dedication and operations. Below is an image from COC’s Facebook page and a picture of the author with the Wallace’s dog Chase.



 Cannabis Outreach Collective - COC
Liked · 26 April 19

Working in the garden- This is one of our rooms that has been fitted with LED lights to add extra spectrum past the normal MH and HPS provided spectrum. Every little ray helps these girls grow strong and providing-



River Rock, a Denver, Colorado dispensary, has been leading the field of professional cannabis oil cancer treatment. They have also treated other severe conditions like trigeminal neuralgia, the rare “suicide disease” discussed by Aamann Degarth in an earlier referenced video.

RIVER ROCK



MM CENTER



PATIENT CARE



LAB TESTED

River Rock recently started their Advanced Cannabinoid Treatments program (A.C.T), in which they are documenting the use of concentrated oils, mostly of the high-cannabidiol variety, on many kinds of diseases. According to River Rock, “The RiverRock A.C.T. Program has been proving to be extremely effective in fighting cancer, tumors, neuropathy, Crohn's, lupus, MS, fibromyalgia, seizures, rheumatoid

arthritis, auto immune disorders, chronic pain, nerve damage, degenerative bone disease, weight loss, and more.”

One of the most popular testimonials features Jack, a patient with a 40-year history of fighting skin cancer (<http://www.youtube.com/watch?v=0h4OHolsGNg>). For the most recent decade of this history, he’s had to regularly see a doctor for surgical removal of continually reappearing skin cancer lesions. After a year of being part of River Rock, he talked with Tony Verzura, a proprietor of the dispensary, about a plan to combat his skin cancer. They came up with a complete program that includes teas, tinctures, capsules, oils, and raw juices. Within a month, his skin had improved dramatically. After another two weeks, he went into his three-month regularly scheduled appointment, where normally he would have lesions excised or froze off. At this appointment, for the first time in at least ten years, the doctor found nothing to remove.

Jack’s case is unique because it is one of the only times skin cancer has been treated so effectively with internal treatment. Normally, conditions like skin cancer are primarily treated topically, but Jack’s case demonstrates that even high-dose internal treatment alone can work. However, at the end of the interview, Jack notes he does use small amounts of topical oil for rogue, single spots that appear. He says that by putting the oil onto a bandage and then onto the spot, it disappears in days. He believes cannabis cures cancer and he’s living proof.



The next video describes Regina’s experience with potential breast cancer (http://www.youtube.com/watch?v=I2uND41_LTE). Regina discovered a lump in her left breast, which was initially a soft bulge that gradually became harder. In February 2013, Regina started developing a smaller, harder lump in her right breast, much closer under her arm. It had concerning signs. Regina had no health insurance, and thus no way to get her condition examined or treated. A friend of Regina’s who was a nurse checked her, and also was highly concerned. Regina moved to Denver and qualified for medical assistance; subsequently, she was examined by a nurse practitioner. A mammogram was recommended but not taken. Around the same time, Regina had been looking into something for her health, and found River Rock. She was intrigued by their use of high-CBD oils, and began a program two

days before her appointment with the nurse practitioner. Regina began taking infused capsules in the daytime, along with juicing cannabis and full-strength oil at night.

After two weeks, Regina then went to her mammogram appointment. She had not checked her lumps during those two weeks of treatment. When the technician asked to identify the lumps, Regina felt the lump on her left breast, and it “felt like jelly, it didn’t feel like a lump anymore.” As she felt for the right side, she couldn’t find anything. The technician took a number of slides through the mammogram, and an ultrasound was also taken. The technician came back with a doctor, and after conversing with Regina’s nurse practitioner and doing another ultrasound, the 2cm lump in the right breast was confirmed as gone. The lump in the left breast was stated as not being abnormal, despite Regina testifying that it had seemed abnormal initially (going soft to hard to soft, then a little harder, then gone). Regina feels very fortunate for participating in the CBD-rich program and feels great in general. A December 6th, 2013 follow-up mammogram revealed that Regina is still doing well, with the doctor saying her breast tissue is “even healthier” when compared to the results of a June mammogram.



A retired Denver Broncos football player named Jace told his story in January 2013 of how cannabis medicine worked to alleviate his trigeminal neuralgia (<http://www.youtube.com/watch?v=D2Fe4ssYg7A>). Jace’s football career ended after an on-field injury, when a lineman fell on his left shoulder and ripped out all the cartilage from the socket. Jace later fell off a crane from 12 feet high, landing on the right side of his face. The injury caused massive damage, and reconstructive facial surgery was required. He recovered within 40 days and returned to work remarkably fast. However, Jace then began to experience chronic head pain. He couldn’t function, yet was trying to act like it wasn’t there. He desperately needed to find some way to improve his quality of life. Many doctors did not want to take his case on. Everything he was trying, including powerful narcotic pain pills like fentanyl and dilaudid, were not working. The doctor gave Jace a transcutaneous electrical nerve stimulation (TENS) unit to help with trigeminal neuralgia, which apparently had originated from the crane fall. The unit provides electrical stimulation to nerves, a practice that can reduce pain. When

Jace first began using cannabis extract medicine, he found the pain relief to be miraculous. He describes his experience as such,

“The first time I took those [CBD/THC pills] I ripped that TENS unit off the back of my neck, it’s on my nerves anyway, but it relaxed me so much it took care of my pain I didn’t feel like I needed it on. And no narcotic has ever, ever given me that effect.” He says although the last five years have been miserable, the last two or three months have been great since starting the cannabinoid regiment, and he has his life back.



A patient named Gary refused chemotherapy for Stage III colon cancer, having been through the ordeal before, and decided to research alternative healing methods (<http://www.youtube.com/watch?v=1HsvNkEbbf0>). He found compelling evidence on the use of cannabis for cancer, and decided to pursue the route. Gary and his wife found River Rock, and he began a 90-day treatment program. The treatment worked incredibly well internally, with Gary feeling better than he had in ten years. Gary also tried cannabis oil topically for a skin cancer on his head, and in about two-and-a-half weeks, the lesion fell completely off. Underneath was clean skin. Discolored, swollen ankles also completely resolved, after ten years of presence. While no further medical tests for the colon cancer have been run since Gary began this treatment, him and his wife clearly see the powerful benefits experience so far, and have no doubt in their minds this is curing his cancer.



A patient named John used a River Rock preparation known as “Priva Pills”, which contain CBD, THC, and cannabiniol (CBN), to combat a wide variety of diagnoses, including autism, and chronic shoulder, neck, and back pain (http://www.youtube.com/watch?v=Dzel_WcltU4). From 11 to 19, John was drugged heavily for his mental condition, at one point being on seven medications. At 19, he got off all the medications, but endured neuropathy and nerve damage in his feet as a result of the drugs. His stomach lining had also deteriorated heavily, affecting his appetite. His sociality also declined. One of his friends introduced him to cannabis, and using it substantially improved all his symptoms. He then advanced to learning about cannabidiol, and began ingesting high quantities of CBD sourced from River Rock. With it, he was able to avoid using any post-operative narcotics or other drugs after a spinal surgery, which is impressive because of the usual severity of such post-operative pain. The video does not explore the effects on autism extensively, but it is clear John is doing better overall.



The next patient discussed, Josh, has Behcet’s disease, a condition which he describes as a combination of multiple sclerosis and lupus (<http://www.youtube.com/watch?v=2fNRcEPfxLI>). Josh also has an

extremely rare disorder known as Stevens-Johnson syndrome, which interferes with his ability to take medications, and more directly causes cell death, leading to separation of the epidermis from the dermis. As Josh put it, “Instead of having an allergic reaction, you lose your skin.” Thus, the condition is very life threatening. Despite the danger, he has tried virtually every potential autoimmune pharmaceutical available, all of which only made his condition worse. Years-long steroid use also thinned out his bones. Even cutting-edge treatments like interleukin blockers did nothing, and caused horrific side effects.

Currently, Josh has managed to control his diseases using almost 100% cannabis products. Every day, he consumes a good balance of THC and CBD. Consistent ingestion of cannabis is finally controlling his disease successfully, and every doctor Josh has seen, including those from NYU, Johns Hopkins, and University of Colorado, agree his current state is an absolute miracle and the only explanation is his cannabis usage.



A patient named Steve endured years of pain and addiction as a result of numerous complications from many surgeries, apparently initially stemming from a gastric bypass surgery <http://www.youtube.com/watch?v=oduv97XCv0U>. Steve was on extremely heavy dosages of narcotics, including fentanyl. Through the use of medicine from River Rock, he was able to get off narcotics in 30 days. He uses a combination of cannabis oils and juices from indica and sativa strains. He refuses to take narcotics now because of the complications.



A July 2013 video featured Wade, who suffered from paralysis mainly on his right side from several strokes experienced during surgery (<http://www.youtube.com/watch?v=lqzJhepDmls>). Through the use of RockBudder, River Rock's special type of cannabis butter, Wade's paralysis began to disappear, until he was able to gain the majority of movement back in his hands. The effectiveness of cannabis extracts for paralysis is especially exciting, but unlike other conditions this is an area with comparatively little experience. Once cannabis oil becomes globally available, testing it extensively on paralysis cases will be immediately necessary.



Karen is another of River Rock's successfully treated cancer patients (<http://www.youtube.com/watch?v=0INZDzUfL4o>). In April 2011, Karen was diagnosed with Stage III breast cancer in her left breast. She went through eight treatments of chemotherapy, and endured several surgeries. In February 2012, Karen found out the cancer had become metastatic, spreading to the breast bone, hip bone, liver, and lymph nodes, thus making it Stage IV. Karen learned about

cannabis oil therapy from her son, and eventually met Tony Verzura, who told them about the Advanced Cannabinoid Therapy program. On May 1st, Karen had her first appointment with River Rock and began CBD-rich treatments. Karen tracked her progress with CA-15 cancer antigen tests, and noted that once she incorporated the cannabinoid treatments with traditional treatments, the test counts dropped significantly. Towards the middle of the A.C.T program, Karen stated her CA-15 score was 25; under 30 is the baseline for a normal person. The blood tests remained below normal for a significant period of time, and she began moving away from traditional treatments.

Interestingly enough, when talking to her oncologist about cannabis extract medicine, the doctor thought healing cannabis oil was called, “Angel Tears” (mistaking it for Phoenix Tears, another name for cannabis oil). Karen explained to her doctor the sophistication of modern cannabis extract programs, and the doctor said she could continue this treatment. She also asked if it would be necessary to sign something for refusing further conventional treatment, but the oncologist said doing so wasn’t necessary, as she was progressing well.



Karen provided an update in an October 16, 2013 video (<https://www.youtube.com/watch?v=ZSy2gviHMs0>). She reported the cancer was completely gone as determined by PET scan. “I killed Stage IV cancer by using River Rock’s A.C.T. Now program, and the nutritional support that I gathered for myself.”



River Rock has other videos available on their “Learn” page, found here:

<http://riverrockcolorado.com/discover/riverrock-tv/>

Harborside Health Center, the largest dispensary in the United States, supplies cannabis extracts for a wide variety of uses. The owner, Stephen DeAngelo, is one of the most well-known U.S. activists, and has fought directly against the Federal government to continue providing cannabis medicine. He appears in *Run From the Cure 2*, the sequel to Rick Simpson’s original documentary, discussing extract medicine (<http://www.youtube.com/watch?v=Qv8yxuv6e1w>). In a clip from the trailer, he made the following statement, “We have skin cancer patients who are coming to Harborside every week. They take the oil, they put the oil on their lesions, the lesions stop growing immediately.”



Compassionate Care Center is one of the few dispensaries in Connecticut and provides a wide variety of medical cannabis products (<http://www.ccc-ct.com>). In an article on *NewsTimes.com*, one of their patients, Brian Tomasulo, stated that cannabis has helped him with the pain and anxiety resulting from

his fight with testicular cancer that had metastasized to his lungs and brain. He also stated the medicine stopped his tumors from growing. "This is just a different way of killing the cancer," said Brian.



Owner Angela D'Amico remarked on the fact that more cancer patients were seeing anticancer by using cannabis. She also said that 300 of her patients were able to stop using opiate medications by switching to cannabis. Finally, a patient with ALS named Michael Mizzone experienced reduced anxiety, less muscle cramping, and improved blood circulation and appetite since using cannabis. He can also still walk, exercise, and drive.



Stoney Girl Gardens is a medical collective operating out of Oregon (<http://gro4me.com>). They were briefly mentioned in the Vice.com interview of Brave Mykayla's family, and appear alongside Mykayla in the following Australian interview as well

(<http://au.news.yahoo.com/nsw/video/watch/20712196/cannabis-success-for-young-cancer-patient>).

Stoney Girl is run by Mike Mullins and Jenifer Valley, the latter of whom overcame terminal thyroid cancer with cannabis extract treatment. They have provided cannabis extract medicine to many patients, including Mykayla. On the Australian news shows, Mike stated, "Oh absolutely this does cure cancer, we see it daily. We've seen it in hundreds of patients. The children respond extremely well."



Aunt Zelda's is a California-based organization that provides cannabis extracts and consults with patients on optimal healing protocols (<http://www.azcannaoil.com>). It is headed by Mara Gordon and Stewart Smith. They are particularly dedicated to proper dosing and testing of extract medicines. The author has spoken with Mara and Stewart at two conferences about the success they've seen with cannabis extract medicine against cancer and other diseases. The quality of their work has attracted significant attention, most notably from Ricki Lake, former talk show host and star of the original 1988 *Hairspray* film. Ricki is currently producing a documentary called *Weed the People*, which examines the use of cannabis extracts to treat cancer, particularly in children (<https://movies.yahoo.com/news/how-cannabis-can-save-cancer-stricken-kids--an-intro-to-weed-the-people---by-ricki-lake-165741433.html>). Mara has also attended numerous medical conferences sharing her remarkable results with five pediatric cancer cases, including the two discussed below. Each case is extremely detailed, with dosage levels and scan results. Beyond any doubt, cannabis therapy made a difference directly against the cancers as well as the side effects of chemotherapy (http://jeffreydachmd.com/wp-content/uploads/2014/09/Pediatric_Cancers_Medicinal_Cannabis_Oil_Aunt_Zelda_Mara_Gordon.pdf).



MARA GORDON
Aunt Zelda's | Cannabis oil specialist

The specific patients examined in *Weed the People* include Sophie Ryan and Chico Ryder, who respectively have optic pathway glioma and rhabdomyosarcoma. Both children responded extremely well to cannabis extract therapy, which seemingly greatly enhanced the anti-cancer effects of the concurrent chemotherapy while reducing side effects.

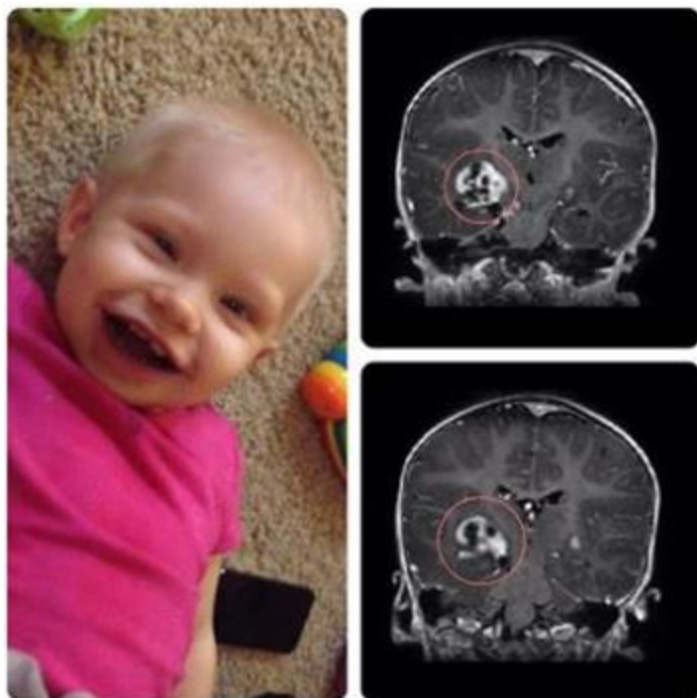


Weed The People - The Movie

8 May

Meet Sophie Ryan! At only 8/12 months old she was diagnosed with an extremely rare Optic Pathway Glioma brain tumor. The doctors placed her on an 13 month chemo protocol as the only course of treatment, but could not guarantee it would work. After being introduced to Ricki & Abby, Sophie's family began her on a regimen of medical cannabis oils and the results have been nothing short of a spectacular! Not only have they witnessed more shrinkage than the doctors ever anticipated, the tumor is also dying from the inside out. Their doctors are saying these are the best results they could ever hope for and to keep doing what they're doing.

The brain surgeon originally said that she would 100% lose the vision in her left eye, and the vision in her right eye would likely be compromised resulting from the brain tumors pressure on her optic nerves. Now after a vision test just days ago her eyes are looking better than ever, and her left eye is actually the stronger of the two. Way to go Sophie! You can follow all of her updates here and on her fan page, [Prayers for Sophie!](#)





Check out this before and after of Chico, who at 10 years old was diagnosed with soft tissue cancer. Thanks to the help of Cannabis he is in complete remission and is getting back to a normal life, just returning from an amazing vacation in Hawaii thanks to the Make-A-Wish America! Chico's doctors at UCLA fully support the family's decision to treat Chico with cannabis and are highly impressed with his results. You can learn all about Chico's story on his fan page, *Chico's Kickin' Cancer!*



The project can be followed and supported at <https://www.facebook.com/weedthepeoplemovie>.

Sophie's case appeared in O'Shaugnessy's, a journal dedicated to cannabis medicine (<http://www.beyondthc.com/cannabis-vs-glioma-another-encouraging-anecdote>). Sophie's doctors have now officially admitted that cannabis extracts are responsible for the progress [in her optic pathway glioma]. Dr. Jeffrey Hergenrather commented on the case, saying it reminded him of one of his child patients who beat brain cancer with cannabis extracts, but used no complimentary chemotherapy (<http://www.beyondthc.com/wp-content/uploads/2013/03/Evaluating-Cannabis-Oil.pdf>). This same patient is described in a HuffingtonPost.com article in the **Doctors and Caregivers** section.

A June 24th, 2014 update by Tracy Ryan, Sophie's mother, describes the amazing progress of Sophie and other children. The update is shared in its entirety below, due to the importance of each detail.

"Sophie has been on high concentrated THC and CBD cannabis oil at a gram a day since she started chemo in October of 2013. We worked her up to that dose slowly and the only side effects she ever had was a little sleepiness that completely went away as she acclimated to the oils. Now her only side effect is hunger which is amazing since the chemo can affect her appetite.

When we give Sophie her medicine we separate them into 4 doses and give them 3 hours apart. The experts that we work with believe that by separating the THC and CBD it allows the THC to attach to the CB1 receptors, and the CBD to attach to the CB2 receptors without competition which results in better absorption. We truly believe that THC plays a huge part in killing her tumor, and she has continued to be on approximately a 2:1 ratio of THC to CBD. The results we are seeing are just incredible!

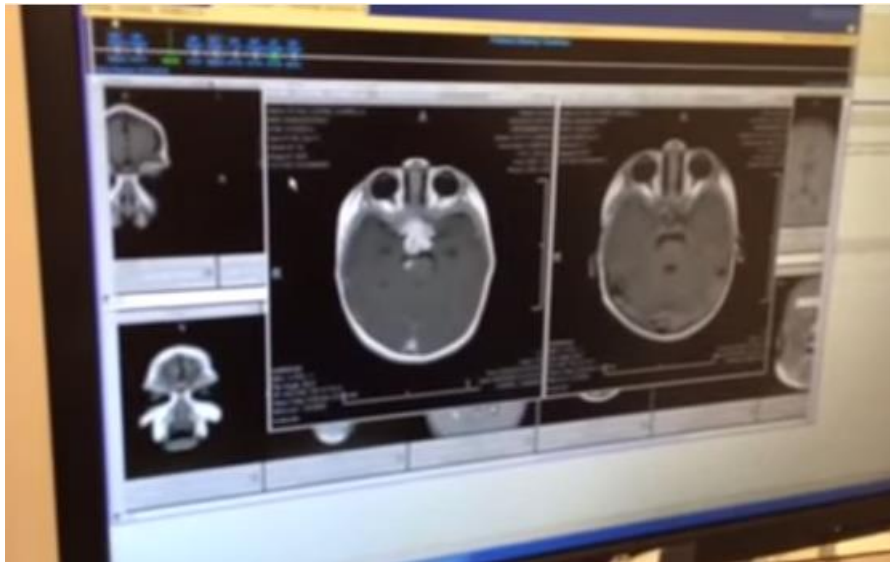
Sophie's tumor has surpassed everything that doctors told us was possible with chemo alone, and we are only at month 9 of a 13 month chemo protocol. Because of the amount of shrinkage we are seeing we truly believe we'll be able to quit chemo after her next set of scans in 2 months.

On top of the amazing shrinkage we have seen, Sophie has also continued to gain weight and has a great quality of life despite having chemo once a week with short breaks from time to time. Her hair is growing back, she is advancing developmentally, and despite the need for frequent blood transfusions she is otherwise really happy and healthy. We truly, truly believe that we will completely get rid of this tumor, and Sophie will not have to live with a mass in her brain for the rest of her life.

Because of the amazing results we are seeing not only with our child, but with many other children whose families we are now close to, **I am refocusing my life on being an advocate for treating pediatric cancer with cannabis.** I am seeing children get sent home to die when chemo and radiation didn't work, and cannabis completely ridding their bodies of tumors. It's like watching miracles every day of my life, and being a part of this movement has been the most rewarding experience of my life!! I tell people that I am living a dream that was spawned from a nightmare. I went from not knowing if my child would survive to being a witness to the most beautiful of miracles. I thank God every day for giving us this miraculous plant. I just pray that our government will soon open its eyes so everyone who needs to use this medicine can do so without fear of prosecution.

In the video below you will see the tumor from September 2013 on the left and June 2014 on the right, as explained by the neurologist.

<https://www.youtube.com/watch?v=tNdU06rEghI>



Sophie's case has attracted the support of Stephen Amell, who plays Oliver Queen/Green Arrow in the CW show *Arrow* (<http://comicbook.com/blog/2014/07/07/stephen-amell-raffling-off-arrow-statues-for-charity>). Stephen raffled off *Arrow* statues to raise money for the Ryan family. DC Comics stepped in to provide more statues as well. As time of publishing, Stephen's work has raised over \$98,000.



Firebird Touch Therapy is a holistic therapy business in California, headed up by Robin Swan (<http://www.facebook.com/firebirdtouchtherapy>). She wrote the foreword for *Taking Control*, the story of Carol Smith's endeavor to heal her husband naturally of invasive bladder cancer (<http://www.amazon.com/Taking-Control-Journey-Alternative-Healing-ebook/dp/B00J4FXFG8>). Carol and Trevor's story was previously shared in the **Individual Case Reports** section. In the book, Robin discusses a woman with breast cancer for whom no traditional therapies worked, including chemotherapy, radiation, diet, and herbs. After being sent home to live out her remaining time, the woman began using cannabis oil as a last resort. In just a few months, she was pronounced cancer free for the first time in twelve years.

Interestingly enough, Robin herself is an incredible testament to the healing power of cannabis. In early July 2014 Robin suffered a terrible dog bite from a pitbull, which opened her wrist and nearly tore off her pinky. She needed 17 stitches and was told she would have permanent nerve damage. Four days after the accident, a surgeon friend remarked that an infection was setting in on the pinky. Robin then applied cannabis oil and manuka honey to the cuts, and the infection was gone the next day. Within 23 days, Robin is reporting no nerve damage and very little radial nerve blockage. The image below dramatically demonstrates the accelerated healing delivered by the cannabis oil preparation.





The author posted about this on Facebook, which yielded the following responses:



Yuppie provided the author with a picture of his thumb and the drill bit which inflicted the damage. The picture was taken two months after the injury, and reveals absolutely no residual scar tissue.



Shamanic Healing is a California-based cannabis organization dedicated to producing the highest-quality, spiritually-enhanced cannabis medicines. Their cannabis oil extraction process can require up to six months or more, and all edibles are organic, gluten and dairy free. Shamanic Healing has observed powerful healing effects from their oils. From their information sheet: “Our extracts and raw plant materials have been proven time and time again to cure unknown blood diseases that were deemed ‘untreatable’ by dozens of specialists over a 20 year period, reduced seizures in children from 10 a week to one or two a week in the first month, put Stage 3 & 4 cancer as well as a very severe case of Psoriasis into remission, and much more!” The organization takes pride in being a holistic and organic provider of rare cannabis medicines and health knowledge to all patients in need.

In regards to cancer specifically, the organization provided this statement: “There are dozens of cancer patients that we personally have assisted and supported into remission, and there are thousands of other cases out there – it is no longer a question of if this movement is going to gain success, but when!” Less than 10% of these patients have used chemotherapy or radiation, and the majority have eliminated their cancers naturally. Shamanic Healing has only lost two patients who were already in the end stages of cancer, and even then, the cannabis oil extended their lives and dramatically improved quality of life.



Heavens 2 Betsey is a California-based collective specializing in home delivery of cannabis medicines. It was founded by Jennifer Rex-McCray in 2010. Jennifer helps patients use cannabis extracts for cancer and has written about the subject on her blog (<http://heavens2betsey.com/cannabis-therapy-for-the-treatment-of-cancer>).

“We are seeing an increase of chronically ill patients joining our collective looking for relief or even a cure. The success stories and evidence of patients healing is overwhelming and the proof in the science is hard to deny.

Patients are finding reduction and cell death in tumors, even reporting remission from using highly concentrated Cannabis Oil along with other natural supplements.

Depending on the type and aggressiveness of the cancer, the aim is for patients to ingest approximately 1-3 grams of highly concentrated oil a day. Patients choosing cannabis therapy work up to taking large doses of the concentrated essential oils of Cannabis.”

Another post from April 9, 2014 on Heavens 2 Betsey details a woman’s experience helping her grandmother fight Stage IV breast cancer, which had metastasized to her lungs and throat (<http://heavens2betsey.com/spreading-awareness-through-research-not-selfies-my-grandmothers-battle-with-breast-cancer>). Doctors said chemotherapy could manage the cancer and maybe shrink it, but the cancer would eventually kill her. The patient’s granddaughter helped her grandmother get started on a combination of concentrated oils, CBD-rich lozenges, tinctures, edibles, topical, and vaporized oils. When chemotherapy was completed after a few months, the patient was placed on estrogen blockers and anti-nausea medications, while continuing the oil. Shortly after she underwent a new scan, which surprised the doctors – the largest tumor, around her esophagus, had disappeared completely and small nodules remaining in her lungs appeared reduced in size. Doctors declared the patient in remission. The patient’s granddaughter now fights to raise awareness of cannabis’ legitimate anti-cancer potential, and her passion is clearly articulated through her writing.



Myriam’s Hope is another female-led California collective that was started to provide seriously ill patients with the highest-quality, lab-tested extracts (<http://myriamshope.com>). The organization’s owner, Diana, started it after her mom was diagnosed with Stage IV glioblastoma on January 14, 2013, one of the most aggressive brain cancers. She did six weeks of radiation and eight months of chemotherapy along with cannabis oil, but in the last couple months has only been on oil. A holistic doctor recommended cannabis oil. From the moment extract treatment began, Diana’s mother began getting better, and MRIs continuously showed tumor shrinkage. Blood count test results were also been

favorable. Unfortunately, Diana's mother passed away in 2014. For several reasons, she had to cut back on oil, and was not able to resume high-dose treatments. Diana continues to help patients throughout California. Below is one testimonial from their collective.



Myriams Hope Collective

We received an email from a patient who is currently using Myriam's Hope Oil, she wanted to let us know her moms tumors are shrinking! so we asked her to give a testimonial. With her permission we are sharing the following

My mom was diagnosed with cervical cancer in April 2013 and a separate lung cancer(non small cell adenocarcinoma) with lymph node infiltration in May 2013. She had a radical hysterectomy as well as a right upper lobectomy shortly thereafter. The surgeon was unable to get a free margin in the lung so they gave her 28 rounds of radiation for the lungs and 28 rounds on the pelvis along with 4 rounds of Chemotherapy. Flash forward to Feb 2014 when she developed low back pain..they gave her a PET which showed 2 masses in her pelvis bone and one in each hip socket. After 2 biopsies, results concluded metastatic lung cancer in the pelvic bone and a prognosis of roughly 10 months with treatment. The tumor testing indicates the oncogene driver for her tumors to be MET. She is currently receiving chemotherapy (carboplatin/taxol) every 3 weeks. April 7th she started on the oil...very, very small amounts orally... increased dose over 2 weeks and then on April 21 got up to 1 full gram via suppository. May 12 had a CT that shows tumors have not spread as they were expected, in fact they are starting to die. Oncologist claims that the tumors "don't like the chemo" but considering the fact that he himself told us that the chemo would not kill the tumors but merely slow them down..we know that the oil is in fact the medicine that is working. Not only has her pain decreased and her tumors starting to die, her o2 level is at 98%, with half of her right lung removed....it has not been this high since before her Lobectomy. Doc claims her lungs sound fabulous. Leads me to believe the oil is helping to heal the damage that the radiation caused to the lungs. We also have my mom on a very strict NO SUGAR, paleo diet, green smoothies to alkalize the blood , along with a few additional supplements. She is feeling fabulous and looking good

At the Virtual Cannabis Health Summit in January 2016, Alison Ettel spoke about her work treating animals with cannabis extracts as part of her company Treatwell (<https://www.youtube.com/watch?v=CVix-jQcSR0>). She has observed immense benefits of both THC and CBD for cancer, epilepsy, anxiety, hip dysplasia, pain, pancreatitis, glaucoma, hot spots, and skin conditions. Some animals she has treated have become seizure-free with her products.

Alison discussed several specific cases. Small amounts of high-CBD oils showed to be very therapeutic for anxiety. One dog was made immobile by arthritis, and within four days of high-CBD treatment he was running again. Cats that could no longer do full stretches regained their mobility. Like humans, animals sometimes need CBD, THC, or THCA to get full seizure control. One dog's pancreatitis cleared up after 8 days with high-CBD treatment. Topical use of THCA has also proven effective for hot spots.

A cat named Jukey with a rare form of skin cancer called Bowen's disease used the 1:1 THC:CBD formulation internally, and a THCA formulation topically, and the cancerous scabs started going away. A dog named Bodie had terminal renal cancer and was expected to pass away in just a week. He began using the 1:1 oil, and over 9 months later has been confirmed to be cancer-free. Another dog named Kaiser had a huge tumor in his nose and couldn't breathe, and was said to be end-of-life. Using the 1:1 oil, his tumor apparently receded and he is now acting like a puppy after a year of treatment. Another dog named Cheyenne had a giant softball-sized tumor on his leg. He was started on the 1:1, and by six months it was gone. That occurred in 2009; by 2016, Cheyenne is still alive.





Bob Blake is the owner of 5th LMNT, a dispensary in Oregon. In August 2015 he testified before the Georgia Commission on Medical Cannabis (<https://www.youtube.com/watch?v=c0Dgn9cyouc>). Bob came highly recommended from an esteemed physician in the state, which is why he had the privilege of speaking to this group of Georgia legislators. He spent most of his 30 years in the healthcare industry providing anesthesia services. Bob was accompanied by the chemist he works with, Ken White, as well as a patient, Ashley Lovely, who survived cancer.

Bob learned about cannabis oil for the treatment of cancer in February 2013 from a nurse friend. He described his work with six late-stage cancer patients, most of whom had been given weeks or months to live. Those six achieved remission using high-doses of THC-rich cannabis oil, although significant amounts of CBD were present as well. “At first I thought it was a miracle, I thought it was crazy. But not six for six,” said Bob. The cancers he treated were lung cancer, pancreatic cancer, neuroendocrine cancer, breast cancer, and brain cancer (two patients shared one of those forms of cancer). He noted that his patients took in very high doses and slept around 12 hours per day while they were healing.

After Bob and Ken spoke, Ashley described her experience with medical cannabis. She was diagnosed with Stage IIIB Hodgkin’s lymphoma at the age of 13 in 2004. She had an inoperable tumor in her neck and chest. She was initially prescribed Marinol, the synthetic form of THC, which worked very well for her. She achieved remission with the conventional treatment, but the cancer returned in April 2015. Having been through chemotherapy before, the possibility of doing it again terrified her. She researched medical cannabis oil and eventually began using a medical cannabis oil with THC and CBD. She started on low doses of the oil and worked up to 1.5 grams per day. After 10 weeks, she returned to her oncologist, and the lesion on her lymph was gone. She is now on a low maintenance dose. She said

medical cannabis oil worked better for her than any other medication she ever took in her life. “Medical cannabis does work to cure cancer or at least put that cancer into remission.”



Corporate Activity

Many publically-traded and private corporations are pursuing the medicinal use of cannabis extracts. GW Pharmaceuticals is one of the most prominent of these entities. Their plant-derived cannabis product Sativex, a 50/50 blend of THC and CBD, is approved for use in the UK and at least 20 other countries. A December 11, 2013 press release from GW Pharmaceuticals announced a US Patent Allowance for the use of cannabinoids in treating glioma (<http://www.gwpharm.com/GW%20Pharmaceuticals%20plc%20Announces%20US%20Patent%20Allowance%20for%20Use%20of%20Cannabinoids%20in%20Treating%20Glioma.aspx>). It is important to point out this patent relates to the treatment of cancer, not side effects of chemotherapy.

“The subject patent specifically covers a method for treating glioma in a human using a combination of cannabidiol (CBD) and tetrahydrocannabinol (THC) wherein the cannabinoids are in a ratio of from 1:1 to 1:20 (THC:CBD) with the intent to reduce cell viability, inhibit cell growth or reduce tumor volume.”

An earlier patent from GW related to the use of cannabinoids for treating breast, colon, and prostate cancer (<https://www.google.com/patents/US20130059018>). Another patent assigned to Slgm Medical Research Institute related to the use of cannabis for the treatment of prostate cancer (<https://www.google.com/patents/US7597910>).

On June 17th, 2014, GW published physician-reported results from use of their high-CBD product Epidiolex (<http://www.gwpharm.com/GW%20Pharmaceuticals%20Announces%20Physician%20Reports%20of%20Epidiolex%20Treatment%20Effect%20in%20Children%20and%20Young%20Adults%20with%20Treatment-Resistant%20Epilepsy%20from%20Physician-Led%20Expanded%20Access%20Treatment%20Program.aspx>). This formula has 98% CBD with trace amounts of other cannabinoids, but no THC. 27 patients were treated with Epidiolex for 12 weeks, including patients with Dravet syndrome and other treatment-resistant epileptic conditions. The results were most profound with Dravet patients, who on average experienced a 52% reduction in seizures. 33% were seizure-free after 12 weeks. When all patients were analyzed, the average reduction in seizures was 44% and 15% of patients achieved seizure-free status. This is remarkably impressive given that no previous pharmaceuticals could reduce seizures at all. Furthermore, many parents are finding that their children need higher levels of THC or THCA to achieve full seizure control, and that CBD alone is ineffective for optimal results.

Cannabis Science, a Colorado-based corporation, is noteworthy for its work with skin cancer. On April 6, 2011, they issued a press release announcing they had physician's documentation confirming the successful treatment of basal cell carcinoma resulting from the application of topical cannabis extract.



Dear Adriene,

Re:

D.O.B:

I saw [REDACTED] again last week and undertook some biopsies.

As you know we have been keeping an eye on her right cheek for a couple of years. She treated the biopsy proven BCC with a tar extract which seemed to get rid of the BCC from a clinical point of view. A persistent red spot in the middle of the area was biopsied last week, the result of which showed benign fibrous papule only. There was certainly no evidence of BCC. I reassured [REDACTED] of this result over the phone today.

Over the last couple of months [REDACTED] has noticed a scaly area on the right alar. To exclude BCC we also took a shave biopsy of this last week. The pathology result was simply solar keratosis.

At this stage I have not arranged to see [REDACTED] again routinely but I would be happy to see her at anytime if necessary.

[REDACTED] knows to report any suspicious changes that occur. Thank you again for referring her.

Yours sincerely,

[REDACTED]

[REDACTED]

[REDACTED]

<http://www.cannabisscience.com/index.php/news-media/news-archive/196-cannabis-science-provides-physician-s-documentation-that-confirms-successful-treatment-of-skin-cancer>

Cannabis Science is now working with The Phoenix Tears Foundation and New Colombia Resources to conduct trials of cannabis extracts for skin cancer in Colombia

(<http://www.marketwatch.com/story/new-colombia-resources-inc-enters-into-a-collaboration-agreement-with-the-phoenix-tears-foundation-for-research-and-development-of-a-cannabis-based-medicine-to-treat-skin-cancer-in-colombia-2014-05-09>). This partnership will hopefully prove the efficacy of cannabis extracts against at least one form of cancer once and for all, leading to further research.

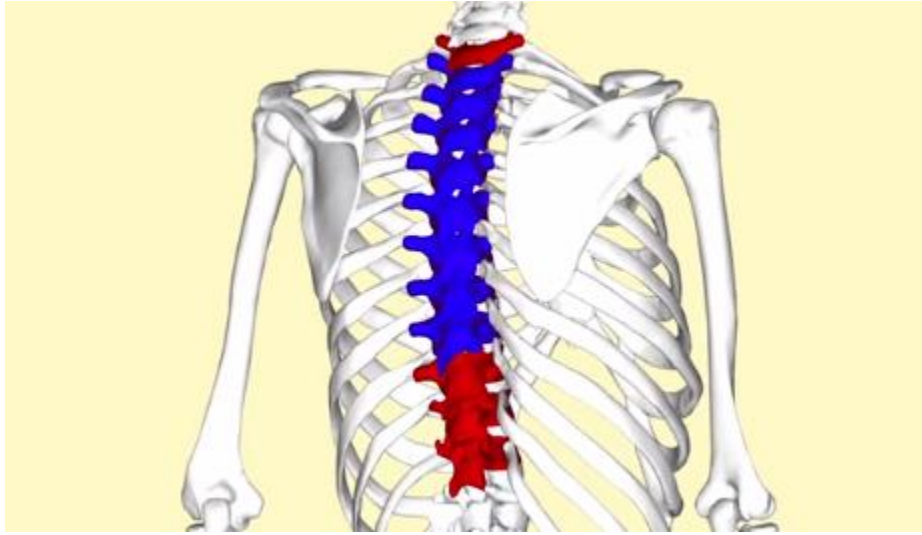
The Phoenix Tears Foundation, headed by Janet Sweeney, was inspired by Rick Simpson and is aggressively trying to raise awareness of cannabis' anti-cancer potential. To this end, they have launched The Phoenix Five project, an initiative to treat and document five patients with advanced cancers or tumors. Witnessing cannabis extract therapy from start to finish is the most powerful indicator of this medicine's potential. The results will ultimately be shared in a documentary titled *Illegally Healed*, but currently two incredible patient updates have been released.



Glenda Diltz was diagnosed with Stage IV colorectal cancer (https://www.youtube.com/watch?v=cD_cWTQzITl). As she went through the oil treatment following apparently failed chemotherapy, she could feel her body healing and her energy returning. She felt normal again, her hair came back, her energy came back; it was like night and day. Unfortunately, complications led to Glenda's passing on June 21st, 2014, and it is tragic she was not able to begin cannabis extract therapy sooner.



David Adkins was diagnosed with a spinal tumor stretching from the second thoracic vertebrae to the ninth. After seven weeks on cannabis extract therapy, the tumor disappeared. David stated, "It does work. It's not just that it makes me feel better, it's taken care of the problem, the tumor's gone. We never did a biopsy to know whether the tumor was cancerous or non-cancerous, but either way it didn't matter because it was growing in a spot that was going to paralyze me or kill me, and they can't find it now. So... there's no doubt that it works. Not only do I feel better, I see the results on the MRIs."



A biotechnology research organization known as Emerald Bio is one of many working to develop cannabinoid-based drugs to fight cancer. The CEO, Johan Pontin, casually alluded to the fact that cannabis extracts were already being used to eliminate cancer in humans in a January 28, 2014 *Boston Globe* article (<http://www.bostonglobe.com/opinion/2014/01/28/mass-puts-medical-marijuana/yr3vIP7R8sjlGQ3aqkdkPO/story.html>). A segment from the article states, “Pontin, who applied for a license through an offshoot company, says it’s not just a chance to ease the pain of a couple of hundred cancer patients. It’s a chance to develop new drugs that might actually cure cancer itself.”

That’s right. He says that caregivers in Rhode Island who’ve been working with marijuana for years have beaten back cancer with highly concentrated oils derived from cannabis.

‘There was an 80-year-old patient with esophagus cancer,’ he said. ‘Today, she is 91 years old and totally cancer-free. Even the insurance company couldn’t believe it.’”

An international biotechnology company called Nuvilex, Inc. published a press release on February 3, 2014, announcing plans to develop live-cell encapsulation therapies that utilize cannabinoids to treat cancer, via their subsidiary Medical Marijuana Sciences. (<http://www.nuvilex.com/latest-news/89-nuvilex-to-use-proprietary-cell-in-a-box-technology-to-develop-marijuana-based-cancer-treatments>). Dr. Mark L. Rabe, Chairman of a Nuvilex subsidiary's Scientific Advisory Board, stated, "Reputable scientific journals contain numerous reports that confirm the anti-cancer properties of cannabinoids. Initial trials have also documented the effectiveness of treating pancreatic cancer using the Cell-in-a-Box(TM) live-cell encapsulation technology. When taken along with the fact that Medical Marijuana Sciences' parent company, Nuvilex, owns the exclusive worldwide rights to utilize this technology in developing cancer treatments, we believe that Medical Marijuana Sciences is in a unique position to develop cannabinoid-based treatments for cancer that will set it far apart from others in the medical marijuana arena."

A May 9, 2014 press release announced Nuvilex and subsidiary, Medical Marijuana Sciences, will work with the University of Northern Colorado to further develop their encapsulation technologies (<http://www.medicalmarijuanasciences.com/latest-news/129-nuvilex-signs-agreement-to-study-development-of-cannabis-based-cancer-treatments>).

Insys Therapeutics, a specialty pharmaceutical company, was granted orphan drug designation for their pharmaceutical CBD product to directly treat glioma (<http://www.marketwatch.com/story/insys-therapeutics-receives-fda-orphan-drug-designation-for-its-pharmaceutical-cannabidiol-as-a-potential-treatment-for-glioma-2014-09-29>). Orphan drugs are intended to treat diseases affecting less than 200,000 people. For the FDA to approve an ODD application, there must be plausible scientific evidence that the drug in question is safe and efficacious. Therefore, the FDA's approval of this application is a tacit admission by part of the United States government that a cannabinoid could potentially fight cancer in humans safely.

The CEO of InSys Therapeutics, Michael Babich, stated, "We are pleased to have received broad orphan drug designation for CBD to treat glioma. We will most likely focus initially on pontine glioma, or PG, which has multiple similarities with glioblastoma multiforme, for which our pharmaceutical CBD was granted ODD last month. We believe that this product has excellent potential as treatment for PG, and look forward to advancing its development and offering a potential efficacious treatment for patients."

A December 17, 2015 article in *Newsweek* briefly described the work of Cannabics, a Maryland-based company conducting research in Israel (<http://www.newsweek.com/2015/12/25/outourcing-american-marijuana-research-406184.html>). They are looking to conduct the first major trial examining the use of cannabis to treat cancer. As the article states, "Medical marijuana is already widely used to manage the pain and nausea that come as side effects to chemo and radiation therapy, but many medical scientists believe there are compounds in the marijuana plant that could kill cancer itself."

Dozens of companies and corporations are now producing CBD-rich extracts from industrial hemp. These products have worked for many people who did not have access to medicinal cannabis-derived extracts. While industrial hemp contains CBD, it is not optimally suited for medicinal use; as the name implies, it is best used for industrial purposes like fuel, clothing, housing, paper, and more. Medicinal cannabis contains higher amounts of CBD in proper proportion to other compounds like terpenes. It is **always** better to use medicinal cannabis-derived CBD extracts if possible. However, industrial hemp CBD oils are worth trying if patients have absolutely no access to authentic oils. Many

people have had success with them, including those with cancer. However, a significant number of patients have also reported sickness or worsening of symptoms. Patients should use caution when dealing with these products.

These corporate and dispensary activities contribute very compelling information to the overall cannabis extract movement. It is because of these innovative organizations that availability of cannabis extract medicine has substantially increased, allowing more people access to the medicine they need now.

5. Doctors and Caregivers

Several doctors have been mentioned throughout this report, including Dr. Robert Melamede. Dr. Melamede was significantly involved in the skin cancer treatment project of Cannabis Science. He also has been a leader in endocannabinoid research, and his ideas are gaining more support as new studies are conducted.



In the fields of cannabinoid research, there are many doctors who are especially notable. Dr. Donald Tashkin of the University of California at Los Angeles conducted a notable study concluding that even regular, heavy smoking of cannabis does not lead to lung cancer. "We hypothesized that there would be a positive association between marijuana use and lung cancer, and that the association would be more positive with heavier use," he said. "What we found instead was no association at all, and even a suggestion of some protective effect." The original study and a Washington Post article are found below:

<http://cebp.aacrjournals.org/content/15/10/1829.short>

<http://www.washingtonpost.com/wp-dyn/content/article/2006/05/25/AR2006052501729.html>

An August 2009 study by researchers at Brown University found that long-term cannabis smokers were about 62% less likely to develop head and neck squamous cell carcinoma than non-smokers. The original study and a Fox News article are found below:

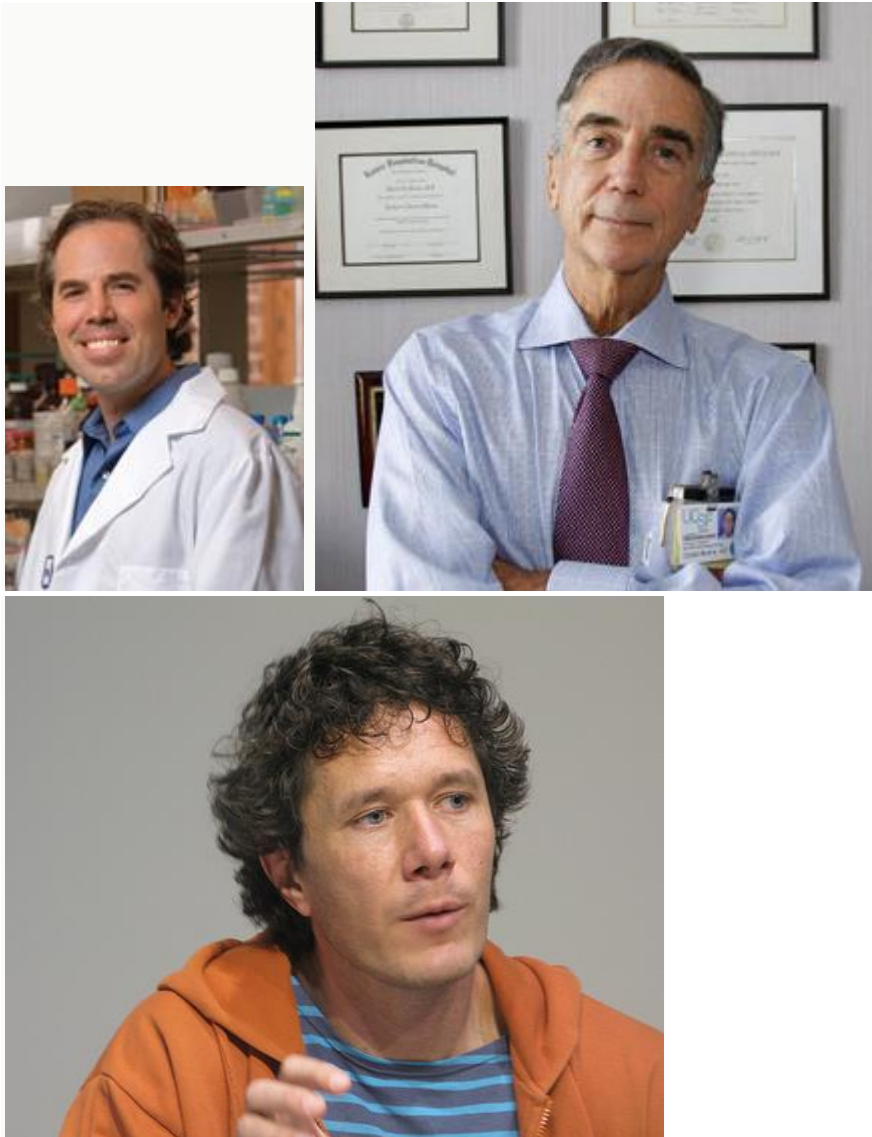
<http://www.ncbi.nlm.nih.gov/pubmed/19638490>

<http://www.foxnews.com/story/2009/08/26/smoking-marijuana-regularly-may-reduce-risk-some-neck-head-cancers>

It is frankly amazing that just smoking cannabis seems to offer significant protective effects. Despite the fact that smoking is extremely inefficient and delivers only small amounts of cannabinoids relative to orally ingested extracts, it still seems to protect against cancer in limited circumstances. Of

course, for serious protective effects, and most certainly for actual treatment, ingestion of extracts is required.

Other major researchers include Dr. Sean McAllister, Dr. Manuel Guzmán, Dr. Donald Abrams, and Dr. Raphael Mechoulam. All of their works have contributed greatly to medicinal cannabis knowledge. However, unlike Dr. Robert Melamede, Dr. William Courtney, and Dr. Jeffrey Hergenrather, discussed next, they have not directly treated patients with cannabis oil and do not necessarily believe that cannabis extracts can cure cancer in humans. It is the author's hope that these researchers will eventually understand the true importance of their work, and benefit immensely from the intensely detailed research they put their lives into.



One of the most important doctors utilizing cannabis extracts in medicine is Dr. William Courtney. His work is very unique because he works primarily with juiced cannabis. Cannabis juice is derived from whole cannabis plants, which can be juiced in the same ways as other vegetables. The experiences of his

patients have demonstrated that juicing may be even more effective than cannabis oil, although the practice is certainly less efficient.



Dr. Courtney's work was first detailed extensively in the documentary *Leaf* (<http://www.youtube.com/watch?v=qaOnLdVJiIg>). It primarily tells the story of his wife Kristen and how she overcame several autoimmune disorders through cannabis juicing. Kristen's history of disease started when she was diagnosed with juvenile rheumatoid arthritis at 16, and diagnosed with a lupus condition known as interstitial cystitis (long-term chronic inflammation of the bladder wall). It resulted in her being bedridden for four years. She was on over 40 medications, including methotrexate, along with potent anti-inflammatories, painkillers, antibiotics, and steroids. Doctors said she probably would not make it to 30, that she would never have children, and all they could do was try to make her comfortable with massive doses of opiates. Kristen became aware of Dr. Courtney's work and began juicing every day. Within four to six weeks of following this practice, her back pain was gone, she didn't need pain pills, and felt better than she had in years. The treatment apparently induced remission of most major disease symptoms, and Kristen now has a child and is living a normal life.

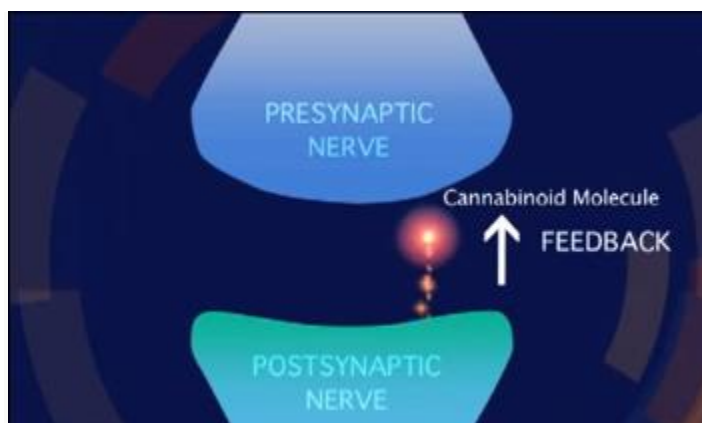


Dr. Courtney believes the benefits to juicing are twofold. Cannabis juice is non-psychoactive, as the cannabinoid content appears primarily in the forms of THC-acid and CBD-acid, the non-decarboxylated

forms of THC and CBD. Due to a lack of psychoactivity, juicing allows people to intake much larger quantities of cannabinoids than with traditional cannabis oil.

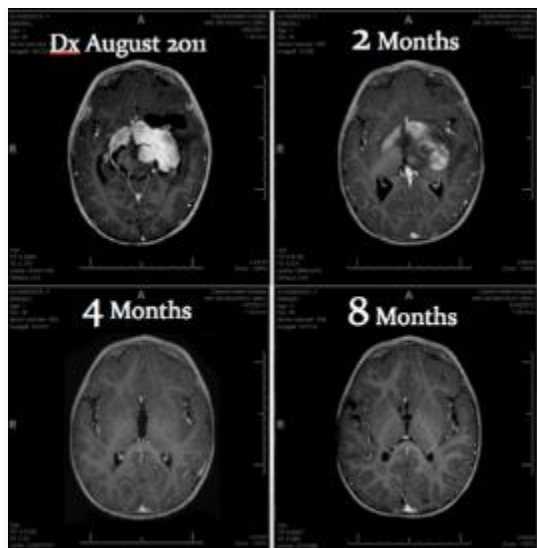
In addition to Kristen's amazing recovery, *Leaf* details the story of Amber, a 2-year old diagnosed with brain tumors. With treatment, Amber was given only a 10% chance to live. However, even after surgery, radiation, and chemotherapy, her tumors continued to grow and multiply. The doctors then sent the baby home to comfortably die. The parents began to accept that the illness had taken her. Thankfully, they learned of juicing cannabis, and began juicing the fan leaves of cannabis plants. Amber was given a shot-glass of the juice every day. Within a month, the family reported that a CAT scan showed the brain tumors reduced in number and size. The baby is no longer on hospice, although whether there was complete resolution of the cancer is not addressed in the documentary.

Leaf is also notable for discussing cellular mechanisms by which cannabinoids regulate the body. As discussed in the **Overview of Supporting Science** section, the endocannabinoid system regulates many aspects of the body and helps maintain homeostasis. Dr. Courtney explains that one of these mechanisms is providing post-synaptic feedback. That is, when a cell sends a message to another cell, the receiving cell can send a message back to the transmitting cell generally indicating success or failure. The concept is similar to acknowledgement and negative-acknowledgement (ACK and NAK) messages used in computer networking, wherein receiving terminals let sending terminals know whether the previous message was received correctly. In biochemistry, it may be that endocannabinoids fill this role, and if cellular communication is impaired, cannabinoids (either endo or phyto) can correct it. This would explain why cannabinoids are effective against so many conditions, most of which likely arise from miscommunication between cells or some kind of cellular imbalance. While much of this is theory, the concepts perfectly explain the experiential results observed. Furthermore, a December 2012 study titled **The evolution and comparative neurobiology of endocannabinoid signaling** describes how an endocannabinoid called 2-AG mediates retrograde signaling at synapses in the nervous system of a leech species, and postulates "an ancient role for cannabinoid receptors as axonal regulators of neuronal signaling" (<http://www.ncbi.nlm.nih.gov/pubmed/23108540>).



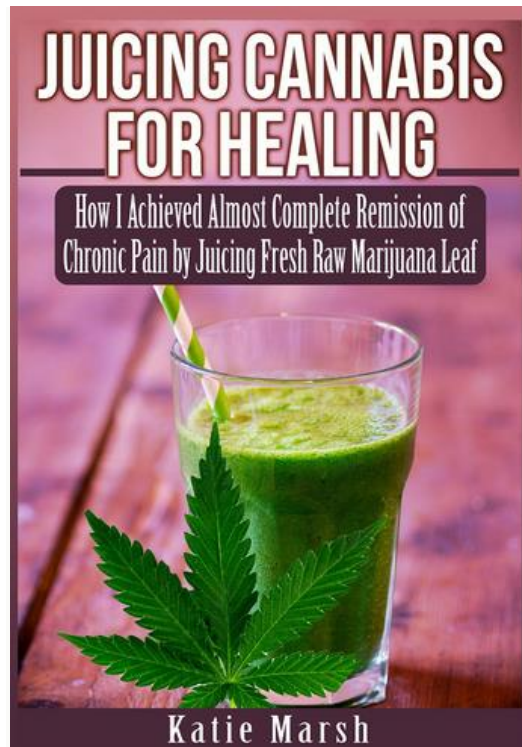
Dr. Courtney's observations were explored further with the publication of a *Huffington Post* article in early December 2012 (http://www.huffingtonpost.com/2012/12/01/cannabis-for-infants-brain_2224898.html). He described an 8-month old patient who had a large, centrally located,

inoperable brain tumor. The father attempted to procure cannabis treatment for the child, and by doing so, was successfully able to avoid chemotherapy and radiation. The parents began putting a 3.8% CBD oil on the baby's pacifier twice a day, and within two months a dramatic reduction was observed. The pediatric oncologist then allowed the parents to continue without traditional therapy since evidence was showing success. By 8 months, the tumor is essentially gone and normal brain architecture has resumed.



An extensive *Huffington Post Live* segment features interviews with Dr. William Courtney, Brave Mykayla's parents, and Jason David, the father of a child named Jayden who has Dravet syndrome (<http://live.huffingtonpost.com/r/segment/parents-choose/50b663372b8c2a5d91000184>). Jayden's story is examined alongside Charlotte Figi in a segment below. At the end of this video, Dr. Courtney recounts another patient who went through traditional therapy of surgery, chemotherapy and radiation, yet was still sent home on hospice after the failures of those treatments. The patient began juicing just the leaves of cannabis plants, and now two years later is alive with no trace of the tumor. While not stated, it's possible the referenced patient is Amber, the young girl from *Leaf*.

Katie Marsh was inspired to juice cannabis because of Dr. Courtney. She suffered with rheumatoid arthritis for five years, which progressively became worse over time. Sitting down, climbing stairs, and even holding a fork correctly became extremely painful tasks. Her energy level also plummeted. After discovering cannabis juice and beginning a juicing regimen, Katie says she is now about 90% better, and believes the residual symptoms would be gone if she had more leaf to juice. She achieved this drinking only a few ounces of cannabis juice per day in a smoothie, but would prefer eight ounces if feasible. Extensive details of Katie's experience, and some other remarkable juicing testimonials, are found in her book *Juicing Cannabis for Healing* (<http://www.amazon.com/dp/B00LWCY196>).



An excerpt from an article Dr. Courtney wrote was shared by Epsilon, an organization previously discussed in the **Corporations and Dispensaries** section. It details the use of raw cannabis extracts to treat epileptic conditions.

There is no one more motivated than the parent of a child that seizes hundreds of times a day. And there are a group of these parents who are so incredibly motivated, that within weeks they created products that had preserved the Acid nature of the plant. They were creating oils and tinctures that were 80 and 90 percent THC-Acid and CBD-Acid with very little neutrals. They had just come up with this process and refined this process in a matter of months. And they had kids who were responding with these high-Acid tinctures that had failed to respond to the CBD in the heated products. They just took the information and just ran with it, and they found that some of their children were going seven days without a seizure, children that had been having the seizures when they made this switch over. And it surprised me because there is so much literature on CBD, and there is so much push in that direction, that I too, fall in line. And then these people come back and they say: "We took your advice and we tried raw. And now we have these phenomenal results that we were not getting with the heated plant."

-Dr Courtney

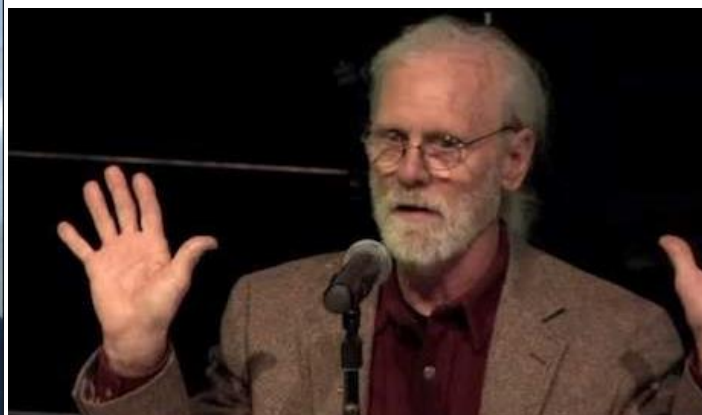
Dr. Jeffrey Hergenrather is a former emergency room physician, President of the California Cannabis Research Medical Group, and one of the first licensed doctors to treat patients with cannabis. The author met him at the Eighth National Clinical Conference on Cannabis Therapeutics in May 2014. The

Conference was partially sponsored by the University of California San Francisco School of Medicine, and hundreds of doctors attended to earn CME credit. Dr. Hergenrather presented in the doctors' workshop, and his presentation was very similar to one he gave to the Laytonville Garden Club on June 15, 2014 (http://www.willitsnews.com/marijuananeews/ci_26091909/cannabis-physician-presents-treatment-successes-at-laytonville-garden). He shared how cannabis was positively affecting many conditions, including irritable bowel disease, Alzheimer's, and many forms of cancer. The effectiveness against IBD and Alzheimer's was dramatic and many patients refused to return to their original medicines after using cannabis. He also presented these results at the Marijuana for Medical Professionals Conference in September 2014.

In terms of treating cancer, Dr. Hergenrather said he's had good results by placing concentrated cannabis oils on carcinomas. The article summarizes, "Not all tumors are sensitive to cannabinoids. Hergenrather said common lung cancer, and some thyroid and breast carcinomas do not appear to respond well to cannabis treatment.

Cancers that have responded, he said, are: neuroblastomas; certain types of breast cancer; hepatic, renal, pancreatic cancer; colorectal, cervical and prostate cancers; Hodgkins, Non-Hodgkins, and Mantle cell lymphomas;; some leukemias; skin cancers, and sarcomas."

Dr. Hergenrather appeared alongside many other doctors in the 2010 documentary *What if Cannabis Cured Cancer?*



Dr. Hergenrather is a member of the Society of Cannabis Clinicians, an organization that represents medical professionals treating people with cannabis or conducting research (<http://cannabisclinicians.org>). An April 18, 2014 post reported the work of Andy Hospodor (<https://www.facebook.com/cannaclinicians/posts/684772421568549>). He presented at the Pancreatic Cancer: Innovations in Research and Treatment Conference May 2014 in New Orleans. Below is his abstract:

"In over 20 states, cancer patients have access to cannabinoids (aka medical marijuana) and use them to treat symptoms of chemotherapy, such as nausea and lack of appetite. However, new evidence, both scientific and empirical, suggests that higher doses of cannabinoids may be an effective adjuvant

alongside traditional chemotherapy agents, such as Gemcitabine. While nausea is controlled with daily dosages of 10 to 40mg, pancreatic cancer cells are known to over express the endo-cannabinoid receptor CB1 one hundred fold. Cannabinoids target different receptors than traditional chemotherapy agents and have low combinatorial toxicity, and as such present a class of new treatments. In an n=1 study of a patient with stage IV pancreatic adeno-carcinoma, we augmented the standard Gemcitabine chemotherapy with balanced initial doses 50mg THC and 50mg CBD and increased over a four week period to achieve a 12.5 mg/kg dosage. Curiously, after ten days the patient stopped presenting signs of cannabinoid use, such as red eyes, slurred speech and clumsiness. However, the patients CA-19-9 marker increased from 8,800 at diagnosis to 26,000. Over the next four weeks, dosage of CBD was held constant and THC was increased to 1050mg daily for a dosage of 20 mg/kg. At week 6, the CA-19-9 marker began decreasing and cannabinoids were leveled off, although a higher dosage was planned for weeks 8-12. At week 15, CA-19-9 markers dropped to pre-diagnosis levels and a CAT scanned revealed shrinkage of the tumor. We anticipate continued tumor shrinkage and reduction of CA-19-9 marker levels to normal levels by week 20. Although many pancreatic cancer patients have access to cannabinoids, issues such as potency, purity and bio-availability will impact future adjuvant cannabinoid therapies. We have addressed the issues with existing technology and hope to conduct large scale trials to examine the efficacy of Gemcitabine + cannabinoids in the treatment of pancreatic cancer.”

A physician named Dr. Allan Frankel was interviewed by Dr. Joseph Mercola for a March 9, 2014 article on Mercola.com (<http://articles.mercola.com/sites/articles/archive/2014/03/09/medical-cannabis.aspx>). Dr. Frankel has treated patients with cannabis for the past seven years. He has seen “tumors virtually disappear in some patients using no other therapy except taking 40 to 60 milligrams of cannabinoids a day.” He has also observed tumors shrinking or metastatic areas disappearing. One interesting statement concerned tumors vanishing, reemerging in other areas, then shrinking or vanishing again.

Dr. Frankel also remarked on two dystonia patients with severe myofascial spasms, who had each spent more than a decade undergoing neurosurgeries and taking several medications. After taking only two milligrams of whole-plant derived CBD three times a day for a little more than one week, the patients were able to resume normal life. Most patients use far higher quantities of cannabinoids, and Dr. Frankel’s observations of low-dose cannabinoids having such profound effects is unique, and most caregivers find that higher doses of cannabinoids are necessary for total healing.

Dr. Frankel has also treated pain and mood disorders, neurodegenerative disorders, Parkinson’s disease, multiple sclerosis, PTSD, and seizure disorders with cannabis.



An October 2, 2013 article on *JewishJournal.com* briefly mentioned the work of Dr. Ephraim Lansky (http://www.jewishjournal.com/cover_story/article/green_gold_israel_sets_a_new_standard_for_legal_medical_marijuana_reasearch). The Israeli doctor specializes in the study of herbs, and published a “now-famous case study” about a cancer patient who came to him with a golf-ball-sized tumor in his head. Dr. Lansky treated him with one gram a day of CBD-rich cannabis (most likely oil) ingested orally. Eight months later, the tumor had shrunk by 75% and the patient’s seizures had entirely disappeared. “‘Cannabis is just another herb, and it belongs within the wider context of herbal medicine,’ Lansky told the Jewish Journal. ‘Of all the other herbs I use, it’s the most useful. I’d even have to put it ahead of garlic.’”



Dr. Dustin Sulak, who the author also saw speak at the Eighth Clinical Conference, is the Medical Director of Integr8 Health in Maine (<http://integr8health.com>). His clinic treats over a thousand patients and Dr. Sulak lectures nationally on the endocannabinoid system. Mara Gordon of Aunt Zelda’s, discussed previously, shared one of his excellent posts on her blog

<http://www.azcannaoil.com/introduction-endocannabinoid-system>). Dr. Sulak describes the endocannabinoid system as “perhaps the most important physiologic system in establishing and maintaining health.” He goes on to describe how cannabinoids “promote homeostasis at every level of biological life, from the sub-cellular, to the organism, and perhaps to the community and beyond.” Cannabinoids are found at the intersection between body systems, and facilitate communication between different cell types. Fighting cancer is mentioned as a method of homeostatic maintenance as well.

Both Dr. Sulak and Dr. Hergenrather were discussed in a previously shared Vice article (<http://www.vice.com/read/desperately-seeking-cbd>).

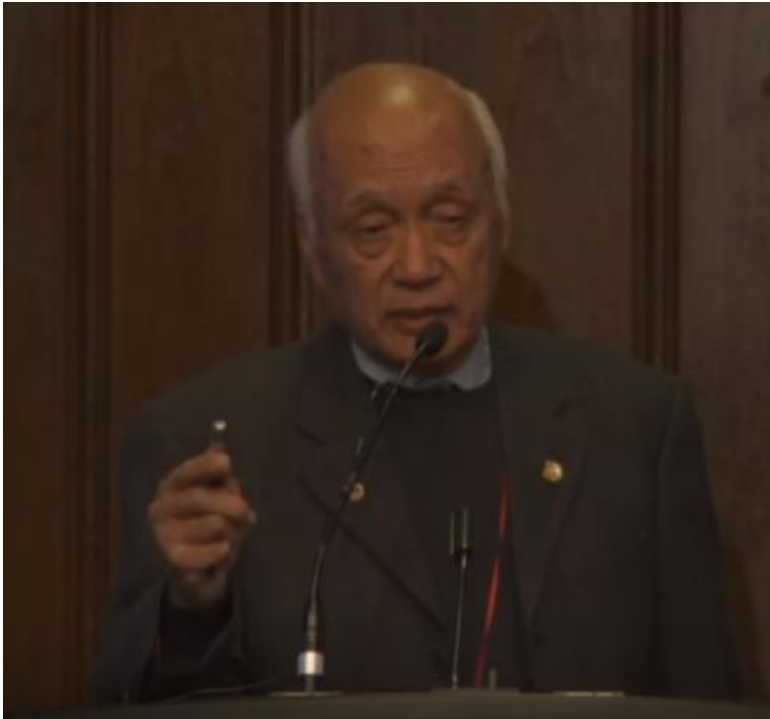


A Canadian physician named Dr. Ernie Murakami delivered a presentation on Lyme disease at the Canadian Neurovascular Health Society in January 2016 (<https://www.youtube.com/watch?v=1Q090ugalrM>). He remarked on the incredible benefits of cannabis extracts, especially CBD-rich oil, for treating the symptoms and root causes of Lyme disease. A lot of his Lyme patients, who had been taking a wide variety of pharmaceuticals, found that simply smoking cannabis worked far better for the symptoms, including pain, arthritis, depression, and convulsions.

Some patients who had been taking CBD-rich oil for a couple years and then stopped did not see their Lyme symptoms return, leading Dr. Murakami to believe there was a direct antibiotic effect against the Lyme-related bacteria. Dr. Murakami then shared data showing CBD's antibiotic effect in comparison to other Lyme antibiotics. "We may have the answer to the treatment of Lyme disease," said Dr. Murakami.

Dr. Murakami also described his experience treating his own brain tumor with CBD oil. He was diagnosed with a brain tumor, and between 2009 and 2013 it grew by one inch a year. Most of the tumor was removed, leaving 7mm behind. To prevent further growth, Dr. Murakami began taking the

CBD oil, and by December 2015 (about two years later) it had only grown another 4.5mm. His cancer specialist told him to continue doing what he was doing. Given the far greater rate of growth without the CBD oil, it seems apparent it played a role in slowing cancer cell proliferation.



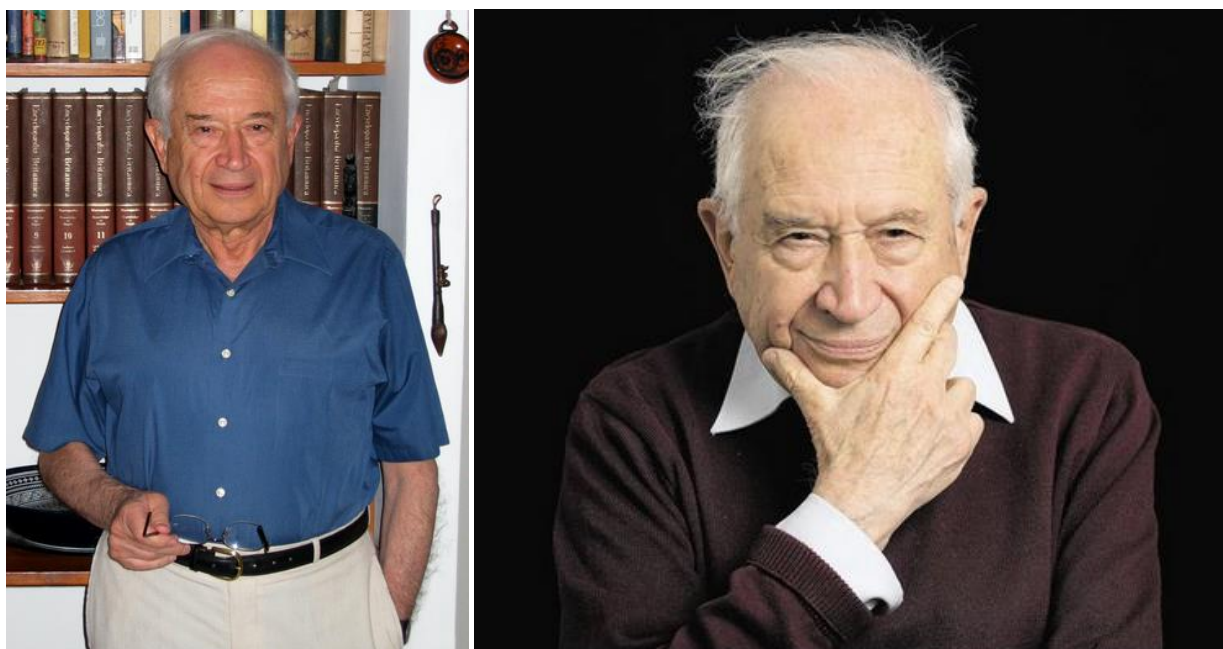
An oncology nurse with 17 years of experience named Valerie Warwick remarked on her cannabis extract observations in a December 17, 2014 interview (<http://www.chrisbeatcancer.com/oncology-nurse-quits-after-17-years>). She reported she had seen many cancers completely healed or significantly improved with cannabis treatment, including lymphoma, leukemia, breast cancer, colon cancer, and more.



Dr. Raphael Mechoulam, who discovered THC in 1964, has called for clinical trials of cannabis extracts for cancer (<http://www.prweb.com/releases/Research-Cancer/Cannabis-Extracts/prweb11564012.htm>). He was joined by United Patients Group and Dr. Sunil Aggarwal, a 2014–15 Clinical Fellow in Hospice and Palliative Medicine at the National Institutes of Health Clinical Center. Dr. Mechoulam’s full statement is as follows:

“There are many anecdotal reports on the use of cannabis and various cannabis extracts for the successful treatment of various cancers. However until well planned clinical trials have been conducted and positive results have been published I do not believe that cannabis in any form will be widely accepted as a cancer treatment. Hence I strongly suggest that such trials should be planned and undertaken as soon as possible.”

In a December 16, 2015 article, Dr. Mechoulam reiterated his call for clinical trials (<http://www.hightimes.com/read/cannabis-research-pioneer-dr-raphael-mechoulam-makes-impassioned-call-clinical-trials>). “A huge number of people use cannabis for a variety of cancers. Some of them state that this is the only thing that helped them. Maybe? Maybe not. We don’t have a single, good clinical trial in cancers. Any cancers! This is a shame. But there we are... We need clinical trials! Work in mice is fine but we have to advance.”



Dr. Manuel Guzmán, whose research proved cannabinoids kill brain, skin, and pancreatic cancer cells, has advocated for clinical trials. On the International Association for Cannabinoid Medicines website, Guzmán stated, “There are still many unanswered questions around the potential for using cannabinoids as anticancer drugs, and it is necessary and desirable that exhaustive clinical studies are conducted to determine how cannabinoids can be used, other than for their palliative effects, to treat cancer patients” (<http://www.cannabis-med.org/index.php?tpl=faq&red=faqlist&id=274&lng=en>).

Valerie Corral is the cofounder of the Wo/Men’s Alliance for Medical Marijuana (WAMM) and has helped hundreds of patients with terminal conditions. She was also one of the first to begin trying to use cannabis oil to directly fight cancer. In a May 11, 2015 article, Valerie alluded to the amazing results she is seeing (<http://www.santacruzsentinel.com/general-news/20150511/santa-cruz-collective-wamm-fundraising-to-buy-cannabis-garden-site/1>). “We treat many cancer patients with our cannabis extract Milagro Oils, and the results are staggering. Every day people call to tell us that instead of their condition worsening, there’s no evidence of disease.” Valerie has spoken at medical cannabis conferences about her work, including data on cancer markers going down in patients who have used her oil. Furthermore, Valerie provided the oil for Michelle Aldrich, a patient described in the **Individual Case Reports** section.



A February 3, 2015 article briefly described the work of a Filipino oil maker known as Juan Pedro (<http://lifestyle.inquirer.net/183396/medical-marijuana-eases-pain-in-cancer-patients-treats-epilepsy-other-ills>). He produces high-CBD cannabis oil for patients in the Philippines. In the article, he stated, “It [cannabis oil] starves the cancer, but not all cancers. I don’t want to call it a cure. But this could be an effective treatment... I’ve seen it stop a brain tumor, in a medication supervised by medical doctors.”

The Michigan Cannabis Cancer Project is an endeavor to provide Michigan residents with high-quality cannabis oil specifically for treating cancer (<http://www.michigancannabiscancerproject.com>). The vast majority of medicine has been donated free of charge to patients. The Project was founded by John Roberts, who works with other oil producers like Gersh Avery and Michael McShane. Gersh’s work was discussed earlier in this report.

Michael is a patient who became involved after trying to find a way to more effectively treat his recurring skin cancer (<http://www.cureyourowncancer.org/michael-mcshanes-story-beating-squamous-cell-carcinoma-skin-cancer-with-cannabis-oil.html>). In the late 1980s, he was diagnosed with HIV, which subsequently led to many bouts with cancer. For years Michael fought these cancers with surgery, chemotherapy, and radiation. In June 2011, the cancer on his face returned in a spot where it was previously removed with surgery. Although initially skeptical, Michael gave cannabis oil a chance. “I got Simpson oil and started putting it on and after ten days, ten days I saw it. The cancer started to break up

before my eyes. It looked like a big white callous, and it started to fragment and break up. I was crying. It was unbelievable.”

In an August 2011 Detroit CBS News article, Michael’s dermatologist Dr. Ali Moiin said the cancer cells had decreased up to 60 percent after two months, and said the results warranted scientific study into cannabis extracts for skin cancer (<http://detroit.cbslocal.com/2011/08/29/skin-cancer-patient-says-oil-from-medical-marijuana-is-a-cure>). An article a month later confirmed all visible signs of cancer were gone, and Dr. Moiin was no longer recommending surgery (<http://detroit.cbslocal.com/2011/09/13/skin-cancer-patient-says-medical-marijuana-oil-saved-him-from-surgery>). However, Michael was disappointed with his doctor’s reaction, and Dr. Moiin refused to speak to the media any further. As a Facebook friend of Michael, the author has personally witnessed his extraordinary dedication. Even in the face of homelessness he has never given up helping others as a caregiver. This never-give-up spirit is shared by those Michael works with.



The Michigan Cannabis Cancer Project also runs Cancer Patients Rights, which advocates for freedom of patients to use cannabis extract medicine. A page on the site details the story of Laura DeVille-Sherman, who turned to cannabis oil after being diagnosed with cancer for the third time (<http://www.cancerpatientsrights.com/success-stories.html>). In this case, it was Stage IV breast cancer with metastases to areas of bone and liver. There were so many tumors present the doctors stopped counting. Laura was told to get her affairs in order. Instead, she worked up to a gram a day of cannabis oil, and a PET scan eventually revealed no cancer. While a couple shadows remained on a CAT scan, the difference was lifesaving. The only side effect was the amount and “wonderful quality” of sleep Laura experienced, which is generally a part of the healing process. The author spoke with Laura, who confirmed that a July 2014 scan revealed she is cancer free. As of June 2015 she is still doing well.



On the About Us page of the main Project site, it is claimed that nearly a hundred patients have been treated to remission with about a 70% success rate (<http://www.michigancannabiscancerproject.com/About-Us.html>). Most of these patients were Stage IV cancers with metastases.

An August 12, 2014 video details the work of the Michigan Cannabis Cancer Project (<https://www.youtube.com/watch?v=o3Q5lnk5Zhw>). Included are statements from the Project's leaders and testimonials from patients.

John Roberts, pictured below with Laura, was raided in late 2013 for his work (<http://www.newreviewsite.com/articles/JOHN-ROBERTS--amp--the-Cannabis-Cancer-Project/1355>). Despite this, John continues to press on, and in the article describes further successes he has witnessed with cannabis oil treatment. Also revealed is that John himself beat liver cancer with oil.





A January 2, 2015 Facebook post by Gersh Avery remarked on the impact of the Michigan Cannabis Cancer Project on local hospital operations.



Gersh Avery

The cancer doctors at the U of M are now cautioning their patients. IF you are using cannabis extract to control your cancer, DON'T STOP.



Gersh Avery For several years, the Michigan Cannabiscancerproject has attempted to flood hospitals with such patients.

As a result, most hospital cancer units have had experience with such patients and are beginning to expect certain results.

Several "terminal" patients suddenly have their tumors drastically shrink. AFTER they told the patients they have just a few days or weeks left.

The Vitamin Cannabis team in Colorado has done exceptional work helping patients throughout the state. Team leader Kyle Marsh detailed their work in a documentary called Vitamin Cannabis, released in September 2010 (<http://www.youtube.com/watch?v=rMvMEwpCaOA>). Kyle learned about the potential for cannabis and cancer from Rick Simpson, and his team of growers began producing cannabis oil to see if Rick's claims were really true. Kyle happened to have a 60-year old uncle at the time with some form of cancer. Doctors had not identified what type of cancer it was yet, and Kyle's uncle was essentially told to wait until it got worse, so it would be more easily identifiable and then treated with radiation.

Meanwhile, Kyle and his team had just begun producing cannabis oil, which they refer to as Phoenix Tears in honor of Rick. Kyle told his uncle about cannabis oil, and he watched *Run From the Cure*. He then decided to use Phoenix Tears instead of traditional treatment.

A notable aspect of Kyle's operations was the remarkable effort put into measuring out doses and establishing proper treatment regimens.



**TREATMENT
"T"
Class Pills**
**T 1 (ONE) = .02
Grams of Oil**

**TREATMENT
"T"
Class Pills**
**T 2 (TWO) = .04
Grams of Oil**

**CURE
"C"
Class Pills**
**C 1 (ONE) = .0625
Grams of Oil**

**CURE
"C"
Class Pills**
**C 2 (TWO) = .125
Grams of Oil**

**CURE
"C"
Class Pills**
**C 3 (THREE) = .1875
Grams of Oil**

**CURE
"C"
Class Pills**
**C 4 (FOUR) = .25
Grams of Oil**

**CURE
"C"
Class Pills**
**SUPER C = .50
Grams of Oil**

The rigid classifications allowed Kyle's team to better track results, and they began testing the oil on people. One glaucoma patient substituted their \$600/month eye drops for oil capsules and reports no need for prescriptions after one month of treatment. As Kyle's uncle continues treatment, his condition progressively improves, until his once debilitating pain is gone. He decides to move onto the Super C pills. A month after doing so, a cancer specialist determined his cancer is gone.



One of the most science-oriented groups involved in the cannabis extract movement is Bud Buddies, founded in 2002 by Jeff Ditchfield. Jeff also ran The Beggars Belief, a Dutch-style cannabis café. Due to the United Kingdom's harsh cannabis laws, Jeff experienced six police raids on The Beggars Belief and numerous arrests. This never stopped him from helping others, but it did force him to relocate to Spain. Jeff's well-rounded experience is evidenced by his lectures at The Royal College of General Practitioners and John Mores University, as well as his appearances on several television stations and radio programs, including Parliament TV and BBC1.



(Jeff Ditchfield with Dr. Manuel Guzmán)

When Jeff moved his organization from the UK to Spain, he also switched his focus to helping cancer patients. His treatment regimens for fighting cancer are largely based on continuously growing experiential evidence and the work of Dr. Manuel Guzmán.

To publicize the very real struggles patients go through to simply access an effective medicine, Jeff is currently producing Project Storm. This documentary follows six terminal cancer patients, including two children, as they use cannabis extracts to heal. Jeff describes Project Storm as follows: “Project Storm is a documentary following the lives of 6 UK terminal cancer patients who have all been told there is nothing more that their doctors can do for them, however the brave individuals didn’t accept this devastating news and they started to research alternative therapies and their journey led them to Bud Buddies and ‘Project Storm’.

Our protocols for the project have been drawn up based on the research of Professor Manuel Guzman and his team at Madrid University who are pioneers in the research into cannabinoids and cancer, I’m very much looking forward to meeting them again at Madrid University next month.

Films like ‘Run from the Cure’ have inspired thousands of people but we wanted to make a documentary ‘in real time’, all the participants in the film started on the oil around Christmas last year, this isn’t a film to ‘prove’ that cannabinoids ‘kill’ cancer, it is the story of the 6 people in the film and their journey.”

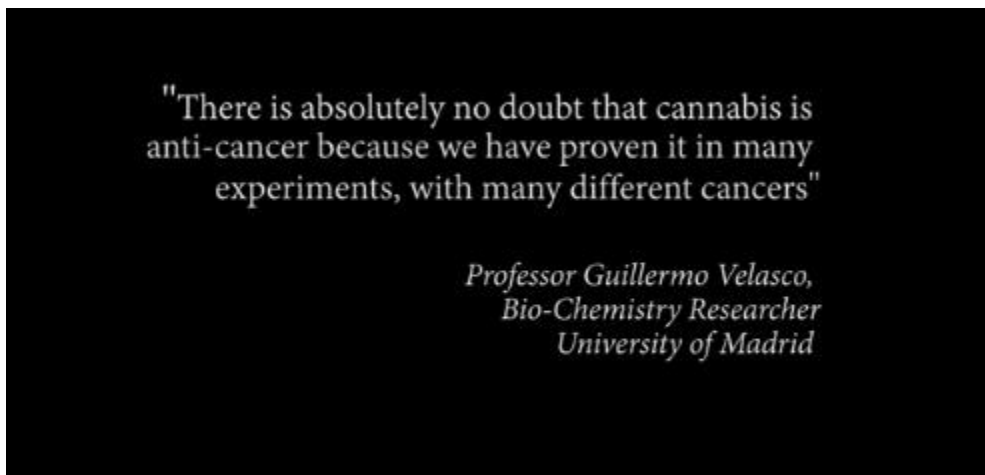
The above is taken from an interview Jeff had with Mel Thomas, which he provided to the author. In this interview, Jeff also answered the question of whether the anti-cancer effectiveness of cannabis extracts is merely anecdotal, and offered some insight into what strains work best for which cancers.

“For me the evidence of cannabis oil sending cancers into remission is far from anecdotal and we have many cases of its success, however I don't consider that any one individual has ever been 'cured'. I much prefer the term 'treatment' to 'cure', if the oil truly was a cure then a person's cancer would go into remission and not return but it is obvious that there is a daily need for a 'maintenance dose' to keep cancer in remission.

Your choice of strain depends very much on the cancer you are treating. Many conditions such as lung cancer respond well to high THC oils, however, if you are treating Gliomas or any form of brain tumour then we have found that a 1:1 THC/CBD strain is the most effective.

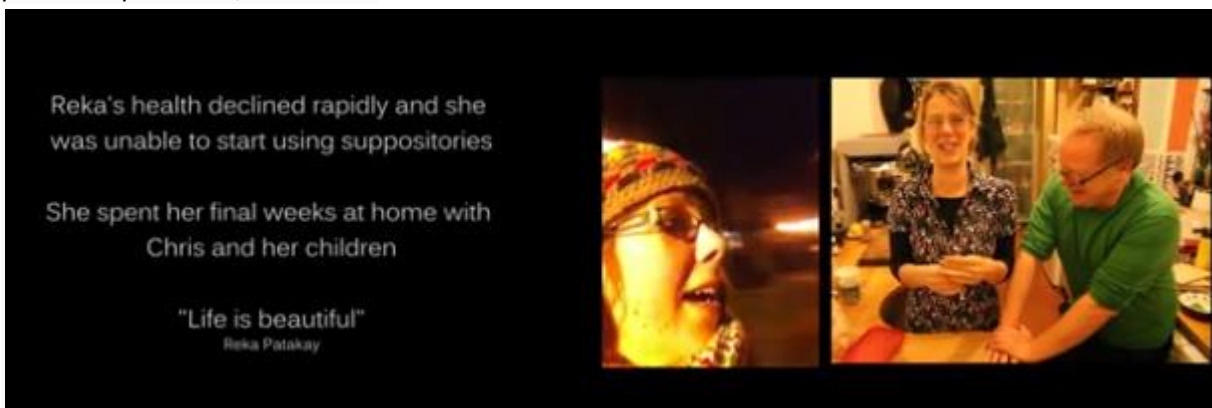
The University of Madrid research indicates that the most effective combination of cannabinoids to treat Gliomas is a 50/50 THC/CBD ratio, this combination was found to be more effective against Glioma cells than either THC or CBD on their own.”

The full trailer for Project Storm can be found here: https://www.youtube.com/watch?v=ah3Y4_ahm5I. Donations to support the film's completion are needed and can be made through Project Storm's website at <http://projectstormthefilm.com>. Below are several images from the film, including renowned Spanish researcher Guillermo Velasco, one of Manuel Guzmán's partners.





The full documentary was released December 17th, 2014 (<https://www.youtube.com/watch?v=58X5KhW80pw>). Due to the late stages of the featured patients' cancers, some of them unfortunately passed away. However, the effectiveness of cannabis oil for extending life and mitigating pain was apparent. Furthermore, many of the patients were still alive at the film's conclusion despite terminal diagnoses. Screenshots from the conclusion, which summarize the patient experiences, are below.





Since James's daughter was given 3-6 months to live her tumour has shrunk 25%

10 months later it has remained stable on cannabis treatment alone and she is back at school.

Brian's next full body scan showed that despite remaining stable for a year his cancer had begun to spread

He is now taking part in a clinical trial



6 months after Jackie passed away Bernie is building his life back up with his son

He is on his way to keeping his promise to Jackie of being happy again



Cathy is still fighting her cancer with cannabis oil and considering the option of combining it with conventional treatment

She and Penny have become close friends

Penny's latest scan showed a reduction in the size of her tumours. She was the only one of her chemotherapy group not to lose her hair

She is still in Spain swimming twice a day



Samantha's son is still in remission and doing well

She continues to give him cannabis oil daily to help reduce the risk of the cancer returning but they still live in fear

Michael is currently planning one last adventure with his wife, Colleen

"There are no prizes for having the most time left, it's about how you spend it and who you spend it with"



Kelly made her oil with Jeff, and it helped control her pain until sadly she passed away from ovarian cancer 6 months after this was filmed

An article on in The Independent discussed Project Storm and featured quotes from numerous people (<http://www.independent.co.uk/life-style/health-and-families/features/could-cannabis-oil-reverse-the-effects-of-cancer-9934577.html>). A researcher named Dr. Peter McCormick, who conducted a study showing THC inhibits cancer cell growth, made the following statement:

“There are hundreds of reports out there and I do get concerned about them being written off as some anomaly or people trying to push recreational drugs into a legalised setting. The reality is that there are plenty of cases where cannabinoids do seem to be doing something and our study is further evidence that more research needs to be done”

A documentary called “Canada’s New Oil Men” details the work of those remaining in Canada, who had learned from Rick Simpson the full benefits of cannabis oil (<http://www.youtube.com/watch?v=mInW-MF8RAA>). After Rick left, several people remained to carry on his work. A filmmaker named Chris Harrigan produced a documentary to tell the story of one such person, Daren McCormick.



In the video, Daren describes many of his experiences treating others with cancer. Many people would come to him for help, and all Daren asked in return for providing medicine was to know the results. He stated there was “never a failure”, although there was no indication whether this statement meant all patients were cured or just improved somehow. However, a specific reference to the treatment of skin cancer is made. Daren says that in Halifax, he provided less than 1mL of oil to a man with skin cancer. The man applied it to the skin cancer with a bandage, and in four days, the cancer was gone.

At the end, filmmaker Chris Harrigan states that Daren has recently been sentenced to three years in prison for his technically illicit activities. Chris feels indebted to Daren for treating a friend, and wants to help Daren and all the others who have been unjustly persecuted for trying to save others.



One of the most well known cannabis oil producers was Ronnie Smith, who worked with a variety of individuals throughout his oil making career. Ronnie often went by the alias Roland A. Duby and was arguably the most bold and daring persona in the movement. For at least six years, he publically advertised through all forms of social media that he would send a full treatment's worth of oil to anyone in the United States for \$2,000. He included his phone number, which somehow he never needed to change, in every post. Ronnie frequently sent free cannabis oil to patients in need, including several the author personally referred who had no other options. Before becoming a cannabis oil distributor, Ronnie was Jack Herer's personal assistant for four years, and helped edit the 2007 edition of *The Emperor Wears no Clothes*. In an October 2012 Facebook post, Ronnie recounts how he got involved with cannabis oil (<https://www.facebook.com/notes/roland-a-duby/what-the-hell-did-i-do/501436303207704>).

“My name is Ronnie Smith. I was Jack Herer's personal assistant for 4 years and I edited the 2007 edition of his book. While living with Jack, I found out I had cancer, and I had lumps in between each knuckle and a lump hanging out my rear. ...

I was growing pot at the time with Jack and his wife and my job was to make the bubble hash from the trimmings. While making the hash I would eat a spoonfull on occassion, and I did that four or five times a day for a couple months. I noticed after a month that the lumps between my knuckles got softer and after 2 months, they were gone. Jack said that he wrote in his book about a college study where they killed cancer in rats with THC in the 70's. His wife googled the article and in the search, she found Rick Simpson and the story about the oil. This was 2006, and we called Rick, and Rick turned out to be a big fan of Jacks, so Jack had him on the Jack Herer TV show every week. Rick said he needed someone in America to make oil and I volunteered. He sent me referals for 3 years before he got stuck in europe. by 2010 I had cured over 200 people. I decided to run for Sheriff and make the cure available for free to anyone in my county.”

Ronnie appeared in an April 2013 interview, where he discussed his experiences and observations from years in the movement (<https://www.youtube.com/watch?v=QFKo8yz8yjA>). By this

point, he claims to have cured over 300 people of various cancers with a 75-80% success rate. This particular video conveys Ronnie's personality and intelligence very effectively.



Ronnie passed away in early April 2014. His passing was a great loss to the cannabis community and the world at large. Ronnie was a friend of the author and it is tragic he will not get to see the ultimate fruits of his labor. However, his work will forever live on, and his uniqueness will not be forgotten.

Ronnie was also a skilled (in the author's opinion) stand-up comedian. A 2005 performance in which he opens for Doug Stanhope can be viewed here:

<https://www.youtube.com/watch?v=jtGWui7i8DI>.

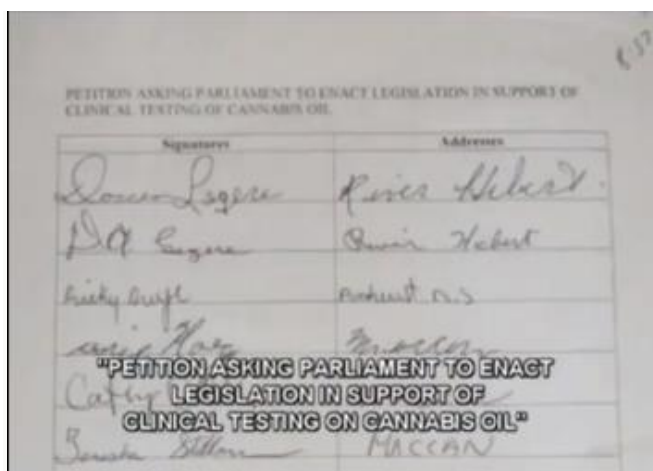


6. Concluding Discussion

The amount of evidence supporting the effectiveness of cannabis extract medicine is staggering. As has been shown, people from all walks of life have used many types of cannabis extracts to eliminate various types of cancer and completely control or eliminate a multitude of other diseases.

The versatility of cannabis extracts is impressive. High-THC oil, high-CBD oil, juiced cannabis, industrial hemp oils, and raw cannabinoid therapies have all demonstrated remarkable effectiveness. These medicines have been administered in topical, oral, vaporization, and suppository forms. A general trend has been made clear - cannabis extracts derived from high-quality starting materials and administered properly in the necessary quantities can achieve miraculous healing results.

One of the true original goals of the cannabis extract movement has been to secure clinical testing of cannabis oil to prove its effectiveness definitively. As mentioned, Rick Dwyer tried to take this route many years ago, but unfortunately nothing came of those efforts.



It is unfortunate that no true clinical trials have been carried out since the release of Run From the Cure and the initial pleas for such trials. Why have they not been done? While the answers can only be speculated upon, there are some possible explanations. First, cannabis is, for the most part, a globally illicit drug. Its research is heavily restricted in the United States and moderately restricted in many other parts of the world. Of course, there are many countries where cannabis laws are laxer, so the illegality of cannabis cannot totally explain the lack of trials.

There is a widespread lack of knowledge regarding the extensive therapeutic potential of cannabis extracts, and most research has just focused on human smoking, animal, or culture studies. Writing a research paper on the ability of cannabinoids to inhibit the growth of cancer cells is likely an easier process than arranging a long-term study of cannabis oil on cancer patients. In many parts of the world, high-quality cannabis is expensive, which creates a prohibitive barrier to studies. Another significant barrier to research, perhaps even the greatest, is the general public sentiment regarding cannabis extract medicine. More insight into the nature of this sentiment will be revealed in further discussion.

Although there have not been any true clinical trials, many other scientific merits have been met. A multitude of peer-reviewed, scientific papers demonstrate that endocannabinoids, phytocannabinoids, and synthetic cannabinoids can all kill cancer cells. They do this through a wide variety of mechanisms, such as prompting ceramide-induced apoptosis through receptor-dependent and independent means, changing gene expression, inhibiting angiogenesis, stopping metastasis, reducing cellular respiration, slowing proliferation, modifying enzymes, and more. Studies show that cannabinoids work against virtually every specific cancer cell type, like breast, brain, colon, kidney, liver, leukemia, lymphoma, prostate, pancreatic, skin, and more. In addition, the November 2013 study in *Case Reports in Oncology* proved the anti-leukemic effects of cannabinoids extend to humans in at least one case.

Furthermore, studies indicate cannabinoids exert beneficial effects on nearly all major diseases, like autoimmune disorders, heart disease, Crohn's, diabetes, chronic pain, fibromyalgia, multiple sclerosis, and more. These widespread effects are theoretically possible because of the endocannabinoid system. Research has shown the ECS modulates many critical functions of the body, developed very early in evolutionary history, and is possibly the chief regulator of systemic homeostasis. Admittedly understated, all disease ultimately results in a disruption of homeostasis. When perfect homeostasis is achieved, disease can't exist – the states are mutually exclusive. Although only conjectural, the theory conveniently explains why cannabis extracts seem to work against nearly any kind of disease with such astounding success and resolution.

Replication is another scientific merit that cannabis extracts have achieved. Many purported alternative cancer treatments have been shot down because only the original creator supposedly observed results, or upon further inspection, unacceptable risks were observed. This is not the case in the cannabis extract movement. First, the man who arguably launched the movement, Rick Simpson, is by far not the only person to have achieved results. In fact, his work now pales in comparison to the hundreds of others who have used or adapted his techniques, and the scientists and caregivers who have gone even further with CBD-rich oil and juicing. The initial claims of cannabis eliminating cancers have been replicated time and time again. From the very first people who took Rick up on his challenge to put oil on a skin cancer and see what happens, to multiple doctors reporting cancer remissions in major journals, it just keeps happening.

There is no doubt cannabis extracts have saved lives and resulted in disease remissions. It is practically impossible that all of these case reports and relevant scientific findings are coincidences or falsifications. Many cases exist where people used cannabis oil with or without traditional chemotherapy, radiation, or surgery and achieved success. In fact, the achievements alongside traditional treatment have sometimes been even more remarkable than those without it. Child patients like Brave Mykayla, Sophie Ryan, and Landon Riddle have reduced chemotherapy side effects to nearly nothing, while also eliminating the cancers much faster than expected. Other patients like Stan Rutner and Joanne Crowther endured chemotherapy and radiation, only to be told they were still going to die. With cannabis oil treatment, they were healed. Then there are people who beat cancer without any conventional treatment, like Dr. Courtney's 8-month old patient for brain cancer, Corrie Yelland for anal canal cancer, Dennis Hill for aggressive prostate cancer, Joe Crowe for Hodgkin's lymphoma, David Triplett for skin cancer, Michael Cutler for liver cancer, and more.

Despite the gravity of just these few cases, they are still only a small piece of the total patient data that exists. To maintain some semblance of brevity, not all testimonials have been included. More importantly, there are so many patient experiences that simply have not been recorded. Not everybody is willing to put their personal medical information online, even anonymously. Another compounding factor is the fact that cannabis is federally illegal. People have taken legitimate legal risks by sharing their experiences, especially caregivers. The courage these individuals have demonstrated in the face of overwhelming adversity, from law enforcement, society, and the diseases themselves, is nothing short of heroic.

Conversing with the general public about this reality, including government and nonprofit officials, is difficult because of the magnitude and initial absurdity of the claims. Telling someone that cannabis, a psychoactive plant that people use to get high, can effectively eliminate many kinds of cancer obviously comes off ludicrous. As if that truth didn't make things hard enough, claiming extracts work against nearly any major disease basically seals the deal on the status of the proponent's sanity.

Due to the sheer level of disbelief in such possibilities, people have been generally unreceptive to higher-level healing claims. The author, over his six years of being in this movement, has observed a surprising lack of interest from mainstream organizations. Most news reports that have spoken about cannabis healing cancer do so in a very matter-of-fact fashion, without realizing the grander implications of what they are talking about. Furthermore, many cured patients have had alarming, dismissive reactions from their doctors, rather than elated, supportive ones. Thankfully, there are hundreds or perhaps thousands of doctors across the world who strongly support cannabis extract medicine and are working to further its advancement.

The urgency of making cannabis extract medicine available for **use and research** cannot be understated. The evidence has demonstrated undeniable potential, and therefore immediate action is warranted. Treatment of terminal cancer patients with cannabis extract medicine could begin *tomorrow* if the right people took action. In the span of two or three months, how many of them would be cured or have improved dramatically? It is so easy to prove this. With full legalization in Colorado and Washington states, what is to stop some collective action to treat an entire hospice center with donated oil and observe the results? It wouldn't even be that expensive compared to the costs of traditional treatments. Proof could be gathered even faster if skin cancer patients opted to try this before radiation or surgery, as topical results are usually achieved much faster than internal treatments. If the results are proven, cannabis therapy will instantly spread across the entire world. The rapid dissemination will be driven by desperation and pain, for people who are in pain or dying cannot wait for relief. Every single instant is pure agony and hell. Those who are not in pain can easily say, "We'll wait a couple years for more research on cannabinoids, then we'll try some approaches in humans, then in ten years we could have a suitable treatment for this group, etc." Those are unacceptable notions to someone on the brink of death.

It's not like these cure-level results will magically stop being replicated once applied in a clinical setting. In fact, the results should be even better, since the cannabinoid medicines administered would be of the highest quality. Many people have observed transformational healing results with only relatively imperfect oils. Cannabis oils extracted with laboratory-quality equipment will certainly be better than those formulated by individuals in their homes or backyards.

Another element driving urgency is the law. People trying to save their own or their childrens' lives are being unfairly persecuted by law enforcement. The case of Landon Riddle was mentioned, and also of important note is Benton Mackenzie, an Iowa patient with terminal angiosarcoma cancer (<http://reason.com/blog/2013/09/30/terminal-cancer-patient-in-iowa-entire-f>). Benton passed away on January 12, 2015 after long legal and health battles(http://www.qconline.com/news/crime/benton-mackenzie-medical-pot-crusader-succumbs-to-cancer/article_e12ffb81-d0fd-5dee-8aee-26a730225065.html). Benton was growing a large quantity of cannabis for his treatment, which is required for an integrative approach of cannabis oil ingestion and juicing. His property was raided, and Benton spent 42 days in jail until he was released over concerns about how much his medical treatment might cost the prison.

On July 9, 2014, Benton was found guilty of marijuana manufacturing and conspiracy, after undergoing a trial in which he was barred from even telling the jury he had cancer (http://www.huffingtonpost.com/2014/07/09/benton-mackenzie-guilty_n_5572445.html). He was able to temporarily relocate to Oregon for cannabis extract treatment, including a combination of juicing and oils (http://www.oregonlive.com/marijuana/index.ssf/2014/07/medical_marijuana_in_oregon_be.html).



Some of Benton's progress is shown below. Unfortunately, it seems that due to a combination of lack of access to cannabis medicine and the aggressiveness of the cancer, Benton eventually succumbed to the disease.



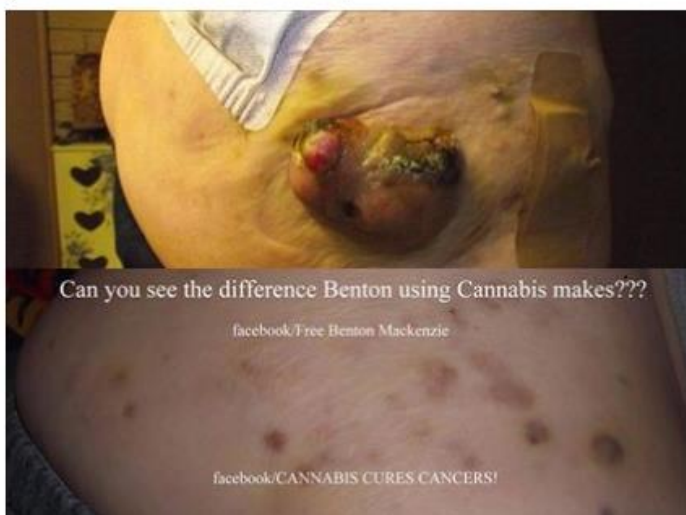
Kane Slater

Photos and text via Free Benton Mackenzie
July 5, 2014

Top: Feb 2014 - After jail, 9 months with no oil, still getting worse.

Bottom: June 2012 - A year before the raid when he was successfully treating and keeping angiosarcoma at stage 1. Did this for 4 years!

Meme by CANNABIS CURES CANCERS!
(facebook.com/TheCureForCancers)



It should be apparent that the current course of medicine is not correct. People regularly go bankrupt paying for medical treatment and endure unbelievably terrible side effects. A trend the author has observed over the past six years is the toll that traditional pharmaceuticals, chemotherapeutic and non-chemotherapeutic agents alike, take on people. They cause tremors, headaches, nausea, pain, mental fogginess, constipation, stomach aches, and more. A 2003 article in the journal *Drugs* stated, “Neurotoxic side effects of chemotherapy occur frequently and are often a reason to limit the dose of chemotherapy” (<http://www.ncbi.nlm.nih.gov/pubmed/12887262>). While this paper’s purpose is not to discredit traditional therapy, it is probable that many traditional treatments are far less effective than cannabis extract medicine.

While the experiential evidence has revealed much about how to use cannabis medicine, there is so much more to learn. What strains work best on what diseases, what are the best dosing regimens, what are the best extraction techniques, what individual cannabinoids are most effective on what diseases, etc. The role of nutrition is also immensely important. Recently, the importance of Omega-3s for optimal functioning of the endocannabinoid system has been explored. An October 2010 study in *Nature Neuroscience* reported that nutritional Omega-3 deficiency abolished endocannabinoid-mediated neuronal functions in mice (<http://www.nature.com/neuro/journal/v14/n3/full/nn.2736.html>).

Issues such as endocannabinoid system disruption are one of the possible explanations in cases where cannabinoid treatments have failed. Other explanations include improper source material or using oil derived from a bad extraction technique. While this report almost exclusively examines

successful cases, there have been many instances where people were not entirely healed or died during treatment. In some cases cancers have returned, like in Cash Hyde. Other people have not been able to totally eradicate their cancers, with some persistent remnants remaining. Some could only slow or stop cancer growth. And for many, it seems that continuous cannabinoid treatment is required. For example, the author has observed that diabetic patients, in order to avoid using insulin, must stay on cannabis extracts. Could permanent healing be achieved with a full integrative approach of juicing, nutrition, and balanced cannabis oil treatments? It is certainly possible. Even if some people need to take cannabinoids all their lives, there are seemingly no negative side effects besides potential unpleasant psychoactivity, and with high-CBD oils there is no psychoactivity. It may be that one day every human will take some form of non-psychoactive cannabis.

While cannabis seems to work effectively against an incredible number of diseases, there are likely certain conditions or infections which cannabis cannot work for, and perhaps some people who for some reason won't respond to the therapy at all. It is unlikely that a true panacea exists, but cannabis is the closest we have. Through research, all questions of effectiveness will eventually be answered. For now, sick and dying patients must be given access to the highest-quality extracts presently available, so that many of them will have hope for future life.

Even if just 1% of the claims in this report were true – that cannabis oil can mitigate severe forms of epilepsy, cure skin cancer, reduce severe chronic pain without opiates, control inflammation, manage diabetes, mitigate Behcet's disease, etc. – those truths would demand immediate action. If cannabis worked better than pharmaceuticals for just one ailment, it would still warrant immediate application. But as has been shown, the effects of cannabis extract medicine are more profoundly beneficial than anyone ever thought.

It is important to finish by underscoring what must be done next – secure immediate testing of this medicine in terminal cancer and/or skin cancer patients. Whether this effort is lead by dispensaries, individual growers, corporations, or someone else, it doesn't matter. This needs to happen now. Lives are at stake every single second. With the evidence presented in this report, there is no excuse not to take action. So let's do it.

“If I'm telling the public anything that's a lie, well why don't somebody come and defraud me; why don't these medical doctors stand up and put me in my place. And I'll tell you why they can't do that, because I'm telling the truth and they know that.” – Rick Simpson

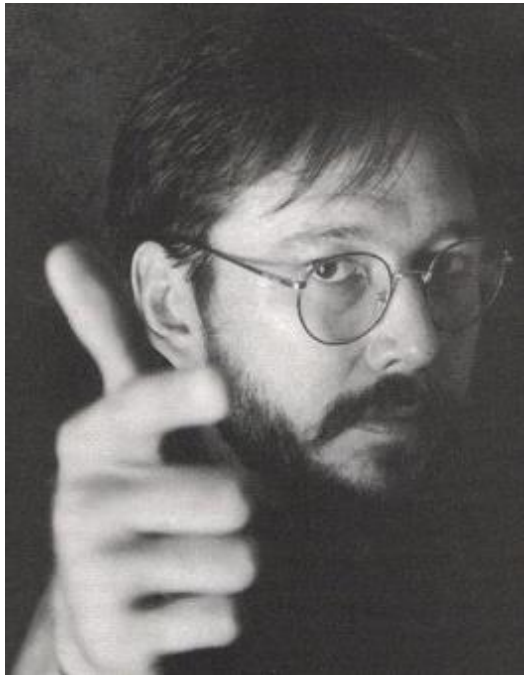
“Nothing will ever be attempted if all possible objections must first be overcome.” – Samuel Johnson

“Never underestimate the power of a small group of committed people to change the world. In fact, it is the only thing that ever has.” – Margaret Mead

“Silence in the face of evil is itself evil: God will not hold us guiltless. Not to speak is to speak. Not to act is to act.” – Deitrich Bonhoeffer

Kevin Booth, director of *American Drug War 2: Cannabis Destiny*, used to work with Bill Hicks, a comedian of great stature. Kevin lost Bill to pancreatic cancer on February 26th, 1994, when Bill was only 32. This event doubtless inspired much of the grander themes of *American Drug War 2*. A verse Hicks authored, to be released after his death, ended with the quote:

"I left in love, in laughter, and in truth and wherever truth, love and laughter abide, I am there in spirit."



It is the author's ultimate hope that the truth of cannabis extract medicine prevails, so love and laughter can be the driving forces of this world, rather than despair and pain. With cannabis medicine, the cancer that ended Bill's life will no longer be a torturous hell to millions of others, and the dreams of peace he most certainly had will be realized.