

# Cancer

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Source: [http://mercycenters.org/libry/i\\_CAN.html](http://mercycenters.org/libry/i_CAN.html)

**Definition: Cancer is a broad term that refers to a wide range of cellular diseases typified by the abnormal development of a group of cells. Abnormal cells can eventually disable the host organ leading to severe health problems. Cancerous cells are continually created in the body, but natural regulatory defenses usually counteract the disorganized cellular development in its incipient stages. Some cancers are thought to be hereditary in origin, but specific irritants, called carcinogens, can antagonize the body's natural defenses, leading to the continued development of renegade cells.** Unchecked, these outlaw cells frequently spread to surrounding tissue and may enter the lymphatic and circulatory systems, thereby spreading to other parts of the body. Removal of cancerous issue by surgery and destruction of cancerous tissue by powerful chemotherapy and radiation therapy are the most common medical treatments.

Source: [www.CannabisMD.net](http://www.CannabisMD.net) (ORG, Info) | Visit:

<http://www.cannabismd.net/cancer/> for more.

► **Symptoms: What are the symptoms? 15 Cancer Warning Signs Learn the Most Common Symptoms.** Get Educated Before It's Too Late.

- 1. Losing weight at a rapid rate (among people not being on a diet), gasses, discomfort, digestive disorders, anorexia, recurring diarrhoea, constipation – are the symptoms occurring most frequently in case of lung, stomach, kidney and large intestine

cancer. If accompanied by a feeling of weakness, it can be a sign of blood loss or lack of proper elements building it.

- 2. Pain of unknown cause – long-lasting stomach-ache can be the symptom of large intestine cancer, lumbalgia can be the sign of kidney cancer, pain in the chest can result from lung cancer. Bone aches can be caused by metastasis.
- 3. Haemoptysis, long-lasting hoarseness (over 3 weeks), persistent cough or change of its character – can be caused by lung or larynx cancer.
- 4. Change in colour of moles and warts, ulceration and itching, ulceration of open wounds, burns and scalds can be the signs of skin cancer.
- 5. Excessive production of urine, backlog of urine, painful urinating, slow, time-consuming flow of urine, lumbago as well as backache can be the signs of prostate cancer.
- 6. Pain, vertigo, nausea, sight distortions (oversensitized sight, astigmatism), hearing impediment, upset balance and mental disorders can result from brain cancer.
- 7. Swallowing difficulties – can be a symptom of throat, larynx, oesophagus and stomach cancer.
- 8. Feeling of fullness in epigastrium, aches and digestive disorders – may be due to stomach cancer and other kinds of alimentary canal cancer, sometimes ovary cancer.

- 9. Blood in faeces, black faeces, alternating diarrhoea and constipation, mucus in faeces, narrow (pencil-like) faeces – are the symptoms of alimentary canal cancer, especially of large intestine and rectum.
- 10. Blood in urine (without the symptoms of urinary tracks inflammation), dysuria (compulsive urination, difficulties in urination) – can accompany the urinary tracks cancer.
- 11. Improper bleeding from the genital tracks, pink or dark-red vaginal discharges, hypogastrium and lower limbs ache can be the signs of vagina, uterine cervix and uterus cancer.
- 12. Marks on skin and mucosus membrane (lips, oral cavity, genitals): not healing ulceration, change in mark's appearance, occurrence of new skin marks of some specific features (irregular distribution of pigment, vague line between the mark and healthy skin, quick growth of the marks, bleeding, dripping).
- 13. Breast tumour (by approximately 15% - 25% can be impalpable), ulceration, the retraction of nipple, asymmetrical nipples, change of size or the shape of a nipple, its swelling and the marks around it, enlargement of lymphatic glands in the armpit, extension of veins in the breast skin, ulceration of breast skin, shoulder swelling, flat efflorescence in case of the so called advanced inflammation nipple cancer – are often the symptoms of breast cancer.
- 14. Fever, tiredness, bones and joints ache, inclination to temporary anaemia and bleeding, impalpable tumour of

abdominal cavity, as a result of spleen enlargement, that can be detected in gastro-bowel test.

- 15. Pain and pressure in the upper right part of stomach, tiredness, anorexia and at a further stage of the disease a palpable tumour in the upper right part of stomach, inclination to jaundice and bleeding can be the signs of liver cancer.

**Source:** [www.CancerAwarenessCenter.com](http://www.CancerAwarenessCenter.com) (BIZ, Info) | Visit: <http://www.cancerawarenesscenter.com/cancertypes.php?gclid=CNzmpa7s5poCFR0Sagodqi7PBw> for more.

► **Treatments for Cancer: Radiation and chemotherapy often include violent, gut-wrenching nausea. Delta-9 THC is legally prescribed for counteracting the severe side effects of these cancer therapies, and is prescribed by doctors under its trade name, Marinol. Marinol pills, which are taken orally to control vomiting, were shown to be a superior anti-emetic (anti-nausea drug) in six out of seven well-controlled studies reported in the Journal of the American Medical Association as early as 1981.[1]** In earlier scientific studies, Marinol was also proven superior to other anti-emetics.[2], [3] However, Marinol falls short of perfection because of its super high potency, which often leads to intoxication and sedation.[4], [5] Also, oral administration is the least preferable method in this circumstance. ... [6] Ralph Seeley, an attorney who petitioned the State of Washington for access to medical cannabis and later died of bone cancer, ...

**Source:** [www.CannabisMD.net](http://www.CannabisMD.net) (ORG, Info) | Visit: <http://www.cannabismd.net/cancer/> for more.

▶ **More info by Type of CANCER- BREAST, BRAIN- see also, GLIOMA/BRAIN, CERVICAL, COLORECTAL, LEUKEMIA, LUNG, LYMPHOMA, MELANOMA, ORAL, PANCREATIC, PROSTATE, RISK CANNABIS VS TOBACCO, SKIN, TESTICULAR, THYROID ... click >**  
[here](#) <

## **Info on Cancer and Medical Cannabis**

▶ **The Marijuana Cancer Cure Cult; It's not as far-fetched as it sounds, but some enthusiasts may be going too far. - AlterNet / By Bruce Mirken January 26, 2010 |** In his 1971 State of the Union speech, President Richard Nixon declared war on cancer, prompting passage of the National Cancer Act, aimed at making the "conquest of cancer a national crusade." Just four years later, scientists from the National Cancer Institute published a study demonstrating that a group of compounds taken from a common, widely cultivated plant shrank lung tumors that had been implanted in mice, extending their survival. In a world that made sense, this plant and the anticancer drugs it produced would have been rushed into further testing, and we'd have known in a few years whether they had potential as treatments for human cancers. Instead, research proceeded at a glacial pace, with almost no further progress till the 1990s. Since then, vast quantities of lab and animal data have confirmed those early findings, but studies of these plant compounds in actual human beings with cancer remain nearly nonexistent.

**What got in the way was Nixon's other war, the "war on drugs." The plant in question was cannabis sativa -- marijuana -- public enemy number one in that other war, and discovering that marijuana had**

**beneficial properties was the last thing the U.S. government wanted to do.** Dr. Manuel Guzman of Complutense University in Madrid, lead author of the only human study yet published of a cannabinoid as cancer treatment, puts it slightly more diplomatically. The lack of immediate followup to those early reports "remains a mystery to me," he says. Guzman cites a number of obstacles to human trials, including the fact that cannabinoids are "still seen by many doctors and regulatory agencies as drugs of abuse," as well as "lots of paperwork" and a lack of commercial interest in natural compounds that can't be patented.

**Complicating things further, the relative vacuum created by the lack of human studies and the hostility of the U.S. government to the whole question of marijuana's beneficial effects has left the field wide open for zealots who promote cannabis as a "cure" for cancer as if it were already a proven fact rather than a possibility in desperate need of serious study.**

## **A Protective Effect?**

**Instead of researching cannabinoids as anticancer drugs, federal officials have continued to falsely imply that marijuana causes lung cancer. For example, a 2002 brochure for parents, "Talk to Your Child About Marijuana," still available on the Office of National Drug Control Policy Web site, advises, "Smoking marijuana is as least as bad as smoking cigarettes."** In fact, the largest, most well-controlled studies have consistently failed to find an increased risk of lung cancer or other typically tobacco-related cancers among marijuana smokers. These include a 65,000-patient 1997 study conducted at Kaiser Permanente in Oakland, California and a 2006 case-control study (in which patients

with cancer were matched with similar patients without cancer to compare risk factors) from the UCLA lab of Dr. Donald Tashkin, one of the world's leading experts on the pulmonary effects of drugs.

**In the UCLA study, there was a consistent trend -- albeit short of statistical significance -- toward lower cancer risk among even the heaviest marijuana smokers. This was a surprise to some, given that marijuana smoke contains many of the same carcinogenic compounds as tobacco smoke. The researchers wrote:**

Although purely speculative, it is possible that such inverse associations may reflect a protective effect of marijuana. There is recent evidence from cell culture systems and animal models that 9-tetrahydrocannabinol, the principal psychoactive ingredient in marijuana, and other cannabinoids may inhibit the growth of some tumors by modulating key signaling pathways leading to growth arrest and cell death, as well as by inhibiting tumor angiogenesis. These antitumoral associations have been observed for several types of malignancies including brain, prostate, thyroid, lung, and breast.

**In an October 2003 review in the journal Nature Reviews: Cancer, Guzman detailed the extensive body of test-tube and animal research showing that cannabinoids inhibit tumors of the lung, uterus, skin, breast, prostate and brain (including gliomas, the type of tumor that killed Sen. Edward Kennedy). He also noted: "Cannabinoids have favorable drug-safety profiles and do not produce the generalized toxic effects of conventional chemotherapies. Cannabinoids are selective antitumor compounds, as they can kill tumor cells without affecting their non-transformed counterparts."** Such selectivity is exactly what you

want in an anticancer drug. The reason chemotherapy can be so awful is that most chemo drugs aren't selective enough; they kill cancer cells, but are also toxic to healthy cells, leading to vomiting, hair loss and other miseries.

## The 'Cure'?

**Nearly all of the evidence about cannabinoids as anticancer drugs comes from lab studies using cell cultures or animals with experimentally implanted tumors. The annals of medical research are littered with drugs that looked promising in the lab but didn't work in people. Still, that doesn't stop some enthusiasts from touting cannabis as a cure for cancer, sometimes making even open-minded scientists and medical marijuana advocates nervous.** When I worked at the Marijuana Policy Project, we received several impassioned emails imploring us to tell Sen. Kennedy that cannabis could cure his brain tumor. Others touted Canadian Rick Simpson's "Healing Hemp Oil" Web site, Phoenix Tears.

**In a series of videos, letters and other materials on the site, Simpson -- who has had repeated run-ins with law enforcement over his cannabis-related activities and was, according to a Dec. 14 posting, staying in Europe indefinitely to avoid arrest -- promotes what he calls "hemp oil" as a "simple herbal cure for cancer. I have used these extracts to cure three areas of skin cancer on my own body, also, I have cured cancers for others."** Simpson also touts hemp oil for pain and a variety of other **conditions**. The site includes video and written instructions for making the preparation. The procedure involves using a solvent such as naphtha or isopropyl alcohol to extract the THC from marijuana, then



boiling off the solvent using a rice cooker to leave a thick oil with a high THC concentration.

**Simpson warns readers away from conventional cancer treatments: "Hemp oil has a very high success rate in the treatment of cancer, unfortunately many people who come to me have been badly damaged by the medical system with their chemo and radiation etc. The damage such treatments cause have a lasting effect and people who have suffered the effects of such treatments are the hardest to cure."** He offers numerous stories and testimonials describing seemingly hopeless cancers cured by hemp oil, but no controlled, scientific experiments.

**And critics find plenty to worry about. First, they note, despite warnings and disclaimers on the site, the procedure for making the medicine is risky. Mitch Earleywine, author of Understanding Marijuana and a professor of psychology at the State University of New York at Albany, calls the do-it-yourself procedure "outrageously dangerous. Even if you don't light yourself on fire, you may end up with leftover solvent that would slowly poison the healthiest of us."** There's a reason scientists don't base conclusions on anecdotes, Earleywine explains. "Cancer remits spontaneously sometimes, which is a good thing. Unfortunately, it leads to superstitious conditioning so people think that whatever they did last must be the source of the cure. Especially with some cancers, where a great many people die, all the spontaneous recoveries associated with hemp oil get remembered while all those that don't either get forgotten or attributed to the horrors of the disease."

**Earleywine stresses that he is not dismissing the possibility that some form of cannabis might be an effective cancer treatment. "THC killing**

**tumors is actually true," he says, "but we're not at the human stage [of research]."** Simpson is dismissive of critics who cite the lack of human studies. "How are you going to do controlled studies when it is illegal in Canada to do so?" he said in an emailed response to questions.

**In fact, researcher Mark Ware of McGill University in Montreal has done clinical trials of medical cannabis in Canada, including a study comparing several different cannabis preparations in use by chronic pain patients.** Simpson calls the idea of spontaneous cancer remissions "nonsense." As for possible risks of his preparation, he argues, "It is irresponsible to give people liver toxic chemicals, chemotherapy and radiation, so if they are talking about irresponsible why do not look at their own medical system? It is not irresponsible to save peoples lives with a harmless natural, non-addictive medicine from nature."

**"If you watch our documentary, you will see that I use a simple water purification process to get rid of solvent residue.** I have been ingesting oil for over eight years and I have supplied this oil to thousands of people who also have experienced no problems with solvent residue."

**While cautious about reports that are "solely anecdotal," Paul Armentano, deputy director and resident science wonk at the National Organization for the Reform of Marijuana Laws, lays blame for the lack of proper data at the foot of prohibition.** "It is a shame that lone individuals must try and engage in the work that the medical establishment should be undertaking, yet have turned a blind eye to," he says. "Unfortunately, what we have is speculation rather than hard science, and we only have the politicization of cannabis to blame."

## The Long and Winding Research Road

**The one human study of a cannabinoid cancer treatment published thus far was conducted by Dr. Guzman and colleagues and published online in June 2006 by the British Journal of Cancer. The scientists infused a THC solution directly into the tumors of nine patients with glioblastoma multiforme, a deadly form of brain cancer, for whom standard treatments had failed. This small pilot study wasn't aimed at proving that THC worked, simply that it was safe to administer to these otherwise doomed patients .** It proved entirely safe, with no negative effects attributed to the THC and no "overt psychoactive effects." And while there were no miracle cures, there were glimmers of possible efficacy. In one patient with an "extremely aggressive" cancer, tumor growth was curbed for nine weeks. In another, symptoms improved, although tumor growth was not stopped. And in some cases, lab tests with cells taken from tumor biopsies showed that THC decreased the number of viable cancer cells.

**Guzman and colleagues noted that THC may not be the best cannabinoid to use as a cancer treatment, as others have been shown more potent in lab tests. And while the direct infusion technique delivered a high THC concentration to specific locations, it may not have reached all parts of these large tumors.** Still, the results were positive enough that the researchers urged further tests, including studies of cannabinoids in combination with other cancer drugs. Guzman is hoping to do more studies, but notes that with all the bureaucratic, procedural and financial hurdles, "The way ahead is long and winding."

**But if more human studies aren't happening yet, lab work continues to produce intriguing results. Just this month, the journal Molecular Cancer Therapeutics published a new study providing the first evidence that combination cannabinoid therapy is more potent than using THC or other cannabinoids as single agents.** Sean McAllister and colleagues from the California Pacific Medical Center Research Institute in San Francisco tested THC, cannabidiol (CBD) and both drugs combined on human glioblastoma cell lines. In two of the three cell lines tested, the THC/CBD combination proved the most potent -- more so than would be expected by just adding the anticancer effects of the two drugs together, suggesting a synergistic action.

**"Combinations, compared to individual drug treatments with specific cannabinoid-based compounds, may represent an improvement for the treatment of patients with glioblastoma and perhaps additional cancers," McAllister says. "It is also possible that other constituents of Cannabis sativa which are not structurally related to cannabinoids could improve antitumor activity when combined."** That leads to an obvious question: Why not use the whole plant -- whether smoked, vaporized, or in some sort of extract like Simpson's? "In regard to brain cancer, it is highly unlikely that effective concentrations of either  $\Delta^9$ -THC or CBD could be reached by smoking cannabis," McAllister says. "In regard to additional cancers, I feel defined formulations and dosing will be needed in order to effectively treat patients."

**McAllister says his team is moving toward "clinical trials in both breast and brain cancer, but it is a slow process." The next step, he says, will be to try to replicate his test-tube results in animals. "No agency in the**

**U.S. would allow me to move forward to clinical trials without some form of proof of concept data in a relevant preclinical in vivo model."** That may be an accurate assessment, but Armentano thinks it's too cautious "given the long established safety of cannabinoids, including THC which is already a legal pharmaceutical, and CBD, which is non-psychoactive, is not a central nervous system depressant and has no risk of overdose."

**Not only is there abundant evidence that cannabinoids kill cancer cells, Armentano says, "Investigators now even understand the mechanism of action; in other words, they know how and why cannabinoids kill cancerous cells and halt the spread of malignant tumors."** Visit: [http://www.alternet.org/drugs/145159/the\\_marijuana\\_cancer\\_cure\\_cult](http://www.alternet.org/drugs/145159/the_marijuana_cancer_cure_cult) ... for Links and Comment section.

► **Medical Marijuana Users Guide - Concept420 - Marijuana Entertainment and Information | Home > Medical Marijuana > Medical Marijuana Uses Below are just a small sample of the many uses of Medical Marijuana: Cancer Chemotherapy. The drugs used to treat cancer are among the most powerful, and most toxic, chemicals used in medicine. They kill both cancer cells and healthy cells, producing extremely unpleasant and dangerous side effects. The most common is days or weeks of vomiting, retching, and nausea after each treatment. The feeling of loss of control is highly depressing, and patients find it very difficult to eat anything, and lose weight and strength. People find it more and more difficult to sustain the will to live, and many chose to discontinue treatment, preferring death to treatment.**

**Cannabis can be used as an antiemetic, a drug which relieves nausea and allows patients to eat and live normally. It is safer, cheaper and often more effective than standard synthetic antiemetics. Smoking cannabis is more effective than taking it orally (or its synthetic derivatives such as Marinol) as patients find it difficult to keep anything down long enough for it to have an effect.** Smoking cannabis produces an immediate effect, and patients find it easier to control the dosage. Additionally the euphoric properties act as an anti-depressant, and the hunger and enjoyment of food properties ('the munchies') make weight gain easy, and these increase the chances of recovery. Visit: [http://www.concept420.com/marijuana\\_medical\\_med\\_uses.htm](http://www.concept420.com/marijuana_medical_med_uses.htm)

▶ **letfreedomgrow.com >> Medical marijuana (cannabis) - Common Medical Uses for Cannabis (Marijuana) | Facts re medical marijuana (Cannabis) as medicine, laws for medicinal marijuana, patient ... Cannabis treats night sweats of patients with advanced cancer ... Physicians, Cannabis Cooperatives and Dispensaries See also: Amyotrophic Lateral Sclerosis (ALS), Anxiety Disorders, Autism, Aversive Memories, Can Cannabis Help Multiple Sclerosis? Can Cannabis Kill You? Cancer cachexia and cannabinoids, Cannabidiol anti-inflammatory activity ...** Cannabinoids: Potential Anticancer Agents; Cannabinoids promote hippocampus neurogenesis and produce anxiolytic- and antidepressant-like effects; Cannabinoids reduce breast cancer cell growth and invasiveness; Cannabinoids treat Attention Deficit / Hyperactivity Disorder (ADHD); Cannabinoids treat breast cancer; Cannabinoids treat cervical cancer; Cannabinoids treat gliomas; Cannabinoids treat lung cancer; Cannabinoids treat skin cancer ... and more. Visit: [http://www.letfreedomgrow.com/index\\_se\\_cmu.htm](http://www.letfreedomgrow.com/index_se_cmu.htm)

► **Marijuana Use in Supportive Care for Cancer Patients (GOV, INF) | Cancer, and cancer therapies and their side effects, may cause a variety of problems for cancer patients. Chemotherapy-induced nausea and vomiting, and anorexia and cachexia are conditions that affect many individuals with cancer. There has been much interest in the use of marijuana to treat a number of medical problems, including chemotherapy-induced nausea and vomiting in cancer ...**

**Nausea and Vomiting.** Some anticancer drugs cause nausea and vomiting because they affect parts of the brain that control vomiting and/or irritate the stomach lining. The severity of these symptoms depends on several factors, including the chemotherapeutic agent(s) used, the dose, the schedule, and the patient's reaction to the drug(s). The management of nausea and vomiting caused by chemotherapy is an important part of care for cancer patients whenever it occurs. Although patients usually receive antiemetics, drugs that help control nausea and vomiting, there is no single best approach to reducing these symptoms in all patients. Doctors must tailor antiemetic therapy to meet each individual's needs, taking into account the type of anticancer drugs being administered; the patient's general condition, age, and related factors; and, of course, the extent to which the antiemetic is helpful. There has been much interest in the use of marijuana to treat a number of medical problems, including chemotherapy-induced nausea and vomiting in cancer patients. Two forms of marijuana have been used: compounds related to the active chemical constituent of marijuana taken by mouth and marijuana cigarettes. Dronabinol (Marinol®), a synthetic form of the active marijuana constituent delta-9-tetrahydrocannabinol (THC), is available by prescription for use as an

antiemetic. In 1985, the U.S. Food and Drug Administration approved its use for the treatment of nausea and vomiting associated with cancer chemotherapy in patients who had not responded to the standard antiemetic drugs. Visit:

<http://www.cancer.gov/cancertopics/factsheet/Support/marijuana>

► **Cannabinoids As Cancer Hope - NORML | by Paul Armentano, Senior Policy Analyst, NORML / NORML Foundation | "Cannabinoids possess ... anticancer activity [and may] possibly represent a new class of anti-cancer drugs that retard cancer growth, inhibit angiogenesis (the formation of new blood vessels) and the metastatic spreading of cancer cells."** So concludes a comprehensive review published in the October 2005 issue of the scientific journal *Mini-Reviews in Medicinal Chemistry*. Not familiar with the emerging body of research touting cannabis' ability to stave the spread of certain types of cancers? You're not alone.

**For over 30 years, US politicians and bureaucrats have systematically turned a blind eye to scientific research indicating that marijuana may play a role in cancer prevention -- a finding that was first documented in 1974. That year, a research team at the Medical College of Virginia (acting at the behest of the federal government) discovered that cannabis inhibited malignant tumor cell growth in culture and in mice.** According to the study's results, reported nationally in an Aug. 18, 1974, *Washington Post* newspaper feature, administration of marijuana's primary cannabinoid THC, "slowed the growth of lung cancers, breast cancers and a virus-induced leukemia in laboratory mice, and prolonged their lives by as much as 36 percent." Visit:

[http://www.norml.org/index.cfm?Group\\_ID=6814](http://www.norml.org/index.cfm?Group_ID=6814)



▶ **Medical Marijuana Causes Cancer (Media Monitor) - By Cliff Kincaid, January 21, 2004** - Ironically some of the same people who oppose tobacco smoking have been sympathetic to “medical marijuana.” | The latest evidence about the fraud known as "medical marijuana" comes from a study by a team headed by Dr. Sarah Nuttall at Queen Elizabeth Hospital in Birmingham, England. Epidemiological studies made during the past 30 years have found that marijuana causes lung damage and probably cancer. The new study took blood samples, measured lung function and tested non-smokers and smokers for antioxidant markers.

**A Reuters news story quoted Dr. Nuttall as saying, "Smoking cannabis on a regular basis actually depletes your lung of protective antioxidant substances...and this may have chronic long-term implications for young individuals."** Those antioxidants protect cells against damage that can lead to cancer. The study found that marijuana users showed more signs of damage than those who smoked only cigarettes. ... The "medical marijuana" movement came up with the idea that smoking marijuana was beneficial in the treatment of cancer because some marijuana smokers said ... Visit: <http://www.aim.org/media-monitor/medical-marijuana-causes-cancer/>

▶ **Marijuana Does Not Cause Cancer -- Results of Largest Study (Article) | NIDA funded study shows no cancer risk from marijuana smoking** By David F. Duncan, DrPH, FAAHB - 2006/05/28. Opponents of the relegalization of marijuana frequently argue that marijuana smoke contains a number of carcinogenic chemicals and that therefore the prohibition of marijuana use must continue to protect the public from lung cancer. From the standpoint of an epidemiologist, these arguments

**have never been credible.** Persuasive evidence that marijuana use causes cancer or contributes to any serious health problems simply does not exist. A presentation at the American Thoracic Society conference last week, reported that the largest study ever conducted to specifically test the hypothesis that marijuana use causes lung cancer has again found no support for this idea.

**The principal investigator of this new study was Dr. Donald Tashkin, of UCLA's David Geffen School of Medicine, who has been conducting studies for three decades searching for respiratory damage due to marijuana use. In the past, his studies have been widely quoted by the federal government and other defenders of the war on drugs and have been harshly criticized by epidemiologists and statisticians.** Dr. Tashkin acknowledges that the study's findings were contrary to his biases. "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." Visit:

<http://www.naphp.org/index.php/fuseaction/magazine.article/articleid/42/>

► **Cannabis, Mental Health and Context: The Case For Regulation. Recent Research on Medical Marijuana >> Cannabis Smoke and Cancer: Assessing the Risk by Paul Armentano, Senior Policy Analyst, NORML / NORML Foundation | Presumptions regarding cannabis use as a risk factor for the development of certain types of cancer, particularly lung cancer, warrant critical examination. Epidemiologic studies over the past several decades have established causation**

**between alcohol consumption and cancers of the oral cavity, pharynx, larynx, esophagus, liver, colon and rectum, among others.** Tobacco use, particularly cigarette smoking, has also been determined to cause similar upper aerodigestive tract (UAT) cancers, as well as cancers of the pancreas, kidneys and bladder, and is implicated with cancers of the stomach and liver, among others.

**To date, similar epidemiologic and/or clinical studies on the use of cannabis and cancer are few and not definitive. However, the public and policy-makers should interpret the ambiguity of these results with caution** – neither construing them at this time as an endorsement of cannabis' safety nor as an indictment of its potential health hazards. ... • Cannabis Smoke Versus Tobacco Smoke • Head, Neck and Lung Cancers • Childhood Cancers • Other Cancers ... Visit: [http://www.norml.org/index.cfm?Group\\_ID=6891](http://www.norml.org/index.cfm?Group_ID=6891)

► **Cancer Council New South Wales: Archive - Medical use of Marijuana (Cannabis) - A factsheet on the Cancer Council's position on the medical use of marijuana (GOV, INF) | Cannabis is a herbaceous plant belonging to the hemp family and has two subspecies – cannabis sativa and cannabis indica. It is cannabis indica which is the main source of the drug marijuana and various other preparations**

1. Cannabis usage usually takes the form of smoking herbal cannabis (marijuana) consisting of dried leaves and female flower heads
2. Cannabis has 21 chemically-related carbon alkaloids which are called cannabinoids of which the most notable are delta-9 tetrahydrocannabinol (known as THC) and cannabidiol. Cannabinoid receptors are found in distinct areas of the brain and spinal column
- 3,4. ... A report prepared in 1998

by the South Australian Drug and Alcohol Council for the Ministerial Council on Drug Strategy concluded that the greatest potential for therapeutic use of cannabis lies in three areas 7 : As an appetite-stimulant, used in conjunction with drugs with anabolic properties to promote lean body mass, good nutrition and exercise, The management of neuropathic pain, and The quick relief of nausea, such as associated with some cancer chemotherapy treatments. ... A Working Party established by the NSW Government to examine the use of cannabis for medical purposes concluded in its final report (August 2000) that medical conditions for which cannabis may be of medical benefit are8 : HIV-related wasting and cancer related wasting, Pain unrelieved by conventional treatments, Visit:

<http://www.cancercouncil.com.au/editorial.asp?pageid=1778>

► **CannabisMD Reports: "Cannabis and Lung Cancer", by Martin Martinez. (ORG, article) | I attended the 1st National Clinical Conference on Medical Marijuana in Iowa in 1998. Arguably the most learned man on the subject of the effects of smoke on the lungs is named Donald Tashkin, Professor of Medicine, Division of Pulmonary & Critical Care, at UCLA. He spoke for almost an hour at the Conference, showing slides of smoke-browned lungs. He showed how marijuana smoke seems to push pollutants towards the outer lining of the lungs.**

**His presentation did not portray marijuana smoke as harmless, but there was no solid evidence of disease associated with the browning of the lungs' outer lining. Donald Tashkin has conducted the most extensive research involving the largest number of long-term marijuana-only smokers, as well as multi-drug smokers--marijuana, tobacco, cocaine,**

**and other substances, for several decades. His critique of marijuana smoke was completely non-committal. (Considering the government is his largest source of funding, there is little doubt why his lecture at the first medical cannabis conference was short and unsupportive.)** When Dr. Tashkin finished his speech, he did not wait to answer questions. He grabbed his materials and bolted for the door. I raced after him and stopped him on the steps outside the conference hall. I showed him the passages I had written about his research in *The New Prescription*. I stood there and watched him read everything I had written about his work. He agreed that my synopsis was correct.

**Then I asked him the \$64,000 question. I said, "Do you know of any cases of marijuana-only smokers who had lung cancer?" He said "Yes, there is one."** Then he smiled, explaining, "He was sixteen years old." We both smiled, knowing a teenager could not possibly have sufficient exposure to marijuana smoke to cause lung cancer--his cancer was clearly due to some other cause. visit:

<http://cannabismd.org/reports/martinez.php>

▶ **YouTube - Medical Marijuana - Brain Cancer (VIDEO) | One of the great ironies in the debate over marijuana's medical applications is that the drug may prove to be vastly more useful than many marijuana activists even realize. CANCER CURE = HEMP OIL ... Rick Simpson's Cancer Cure Hemp Oil is Cannabis extract full of Cannabinoids (including THC). Dr. Robert Melamede ... "Cannabinoids kill Cancer Cells" Dr. Liu ... "THC can kill Cancer Cells" Dr. Di Marzo ... "THC exhibits anti - tumor effects on various Cancer Cell types" Visit:** <http://www.youtube.com/watch?v=9BWBqtlINXI>

▶ **“Cannabis and Cancer: Arthur's Story” by Pauline Reilly(BOOK; Paperback - April 1, 2002) | Buy new: \$14.95 13 Used & new from \$7.95 - find it at: [www.Amazon.com](http://www.Amazon.com)**

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▶ **CANCER- BREAST |** The endogenous cannabinoid anandamide inhibits human breast cancer cell proliferation

<http://www.pnas.org/cgi/content/abstract/95/14/8375>

- Suppression of Nerve Growth Factor Trk Receptors and Prolactin Receptors by Endocannabinoids Leads to Inhibition of Human Breast and Prostate Cancer Cell Proliferation

<http://endo.endojournals.org/cgi/content/abstract/141/1/118>

- Antitumor Activity of Plant Cannabinoids with Emphasis on the Effect of Cannabidiol on Human Breast Carcinoma

<http://jpet.aspetjournals.org/cgi/content/abstract/318/3/1375>

- 9-Tetrahydrocannabinol Inhibits Cell Cycle Progression in Human Breast Cancer through Cdc2 Regulation

<http://cancerres.aacrjournals.org/cgi/content/abstract/66/13/6615>

- Cannabidiol inhibits tumour growth in leukaemia and breast cancer in animal studies

[http://www.cannabismed.org/english/bulletin/ww\\_en\\_db\\_cannabis\\_artikel.php?id=220#2](http://www.cannabismed.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=220#2)

[http://www.cannabismed.org/english/bulletin/ww\\_en\\_db\\_cannabis\\_artikel.php?id=220#2](http://www.cannabismed.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=220#2)

- THC and prochlorperazine effective in reducing vomiting in women following breast surgery

[http://www.cannabismed.org/english/bulletin/ww\\_en\\_db\\_cannabis\\_artikel.php?id=219#1](http://www.cannabismed.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=219#1)

[http://www.cannabismed.org/english/bulletin/ww\\_en\\_db\\_cannabis\\_artikel.php?id=219#1](http://www.cannabismed.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=219#1)

- Cannabidiol Dramatically Inhibits Breast Cancer Cell Growth

Click > [here](#) < ( or visit -

[http://www.thehempire.com/index.php/cannabis/news/cannabidiol\\_dramatically\\_inhibits\\_breast\\_cancer\\_cell\\_growth\\_study\\_says](http://www.thehempire.com/index.php/cannabis/news/cannabidiol_dramatically_inhibits_breast_cancer_cell_growth_study_says) )

- “Medical Marijuana” Takes On New Meaning for Metastatic Breast Cancer

<http://www.healthcentral.com/breast-cancer/c/78/16646/takes-cancer/>

- Cannabidiol may be helpful in reducing the aggressiveness of breast cancer cells

[http://www.cannabismed.org/english/bulletin/ww\\_en\\_db\\_cannabis\\_artikel.php?id=258](http://www.cannabismed.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=258)

- JunD is involved in the antiproliferative effect of Delta(9)-tetrahydrocannabinol on human breast cancer cells

<http://www.knockoutscience.com/showabstract.php?pmid=18454173>

- Cannabis Compound May Stop Metastatic Breast Cancer

<http://www.washingtonpost.com/wpdyn/content/article/2007/11/19/AR2007111900834.html>

► **CANCER- CERVICAL** | Arachidonyl ethanolamide induces apoptosis of uterine cervix cancer cells via aberrantly expressed vanilloid receptor-1, Click > [here](#) <

- Marijuana Ingredients Slow Invasion by Cervical and Lung Cancer Cells

<http://www.webmd.com/cancer/news/20071226/pot-slows-cancer-in-test-tube>

► **CANCER- COLORECTAL** | The endogenous cannabinoid, anandamide, induces cell death in colorectal carcinoma cells: a possible role for cyclooxygenase 2

<http://gut.bmj.com/cgi/content/abstract/54/12/1741>

- Cannabinoids and cancer: potential for colorectal cancer therapy. (may need free registration)

<http://www.medscape.com/medline/abstract/16042581>

- Marijuana takes on colon cancer

Click > [here](#) < ( or visit - [http://www.newscientist.com/article/dn14451-marijuana-takes-on-coloncancer.html?DCMP=ILC-hmts&nsref=news9\\_head\\_dn14451](http://www.newscientist.com/article/dn14451-marijuana-takes-on-coloncancer.html?DCMP=ILC-hmts&nsref=news9_head_dn14451)

- Cannabis compound clue to colon cancer

Click > [here](#) < ( or visit - [http://www.newscientist.com/channel/being-human/drugsalcohol/mg19926685.000-cannabis-compound-clue-to-coloncancer.html?feedId=drugs-alcohol\\_rss20](http://www.newscientist.com/channel/being-human/drugsalcohol/mg19926685.000-cannabis-compound-clue-to-coloncancer.html?feedId=drugs-alcohol_rss20) )

- Cannabis-Linked Cell Receptor Might Help Prevent Colon Cancer

<http://www.healthscout.com/news/1/617951/main.html>

- Cannabinoids in intestinal inflammation and cancer.

Click > [here](#) < ( or visit -

[http://www.ncbi.nlm.nih.gov/pubmed/19442536?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed\\_ResultsPanel.Pubmed\\_RVDocSum&ordinalpos=22](http://www.ncbi.nlm.nih.gov/pubmed/19442536?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=22) )

► **CANCER- GLIOMA/ BRAIN/ HEAD** | Anti-tumor effects of cannabidiol

<http://www.hempworld.com/HempPharm/articles/milanstudy.html>

- Cancer Killer

<http://www.november.org/stayinfo/breaking2/CancerKiller.html>

- Cannabinoids Inhibit the Vascular Endothelial Growth Factor Pathway in Gliomas

<http://cancerres.aacrjournals.org/cgi/content/full/64/16/5617>

- Inhibition of Glioma Growth in Vivo

<http://cancerres.aacrjournals.org/cgi/reprint/61/15/5784.pdf>

- Delta(9)-tetrahydrocannabinol in patients with recurrent glioblastoma multiforme.

[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=193](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=193)

- Cannabidiol triggers caspase activation and oxidative stress in human glioma cells.

<http://www.ihop-net.org/UniPub/iHOP/pm/12214911.html?pmid=16909207>

- Cannabis extract makes brain tumors shrink, halts growth of blood vessels

<http://www.medicalnewstoday.com/articles/12088.php>

- THC tested against brain tumour in pilot clinical study

[http://www.cannabismed.org/english/bulletin/ww\\_en\\_db\\_cannabis\\_artikel.php?id=222#1](http://www.cannabismed.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=222#1)

[http://www.cannabismed.org/english/bulletin/ww\\_en\\_db\\_cannabis\\_artikel.php?id=222#1](http://www.cannabismed.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=222#1)

- THC inhibits cell cycle progression in human glioblastoma multiforme cells by downregulation of E2F1 in human glioblastoma multiforme cells

<http://marijuana.researchtoday.net/archive/4/10/1467.htm>

- Down-regulation of tissue inhibitor of metalloproteinases-1 in gliomas

<http://marijuana.researchtoday.net/archive/4/12/1563.htm>

- Cannabinoids inhibit glioma cell invasion by down-regulating matrix metalloproteinase-2 expression.

<http://marijuana.researchtoday.net/archive/5/3/1697.htm>

- Anti-Tumor Effects

<http://www.ukcia.org/research/AntiTumorEffects.htm>

- Cannabinoids Induce Cancer Cell Proliferation via Tumor Necrosis Factor {alpha}-Converting Enzyme (TACE/ADAM17)-Mediated Transactivation of the Epidermal Growth Factor Receptor

Click > [here](#) < ( or visit -

<http://cancerres.aacrjournals.org/cgi/content/full/64/6/1943?maxtoshow=&HITS=10&hits=10&RESULTFORMAT=&titleabstract=Cannabinoids+Induce+Cancer+Cell+Proliferation&searchid=1&FIRSTINDEX=0&resourcetype=HWCIT> )

10&hits=10&RESULTFORMAT=&titleabstract=Cannabinoids+Induce+Cancer+Cell+Proliferation&searchid=1&FIRSTINDEX=0&resourcetype=HWCIT )



- Marijuana ingredient may reduce tumours-study  
<http://www.alertnet.org/thenews/newsdesk/LV470563.htm>
- Cannabinoid action induces autophagy-mediated cell death through stimulation of ER stress in human glioma cells  
<http://www.jci.org/articles/view/37948>
- Cannabidiol inhibits human glioma cell migration through a cannabinoid receptor-independent mechanism  
<http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=1576089&tool=pmcentrez>
- Targeting astrocytomas and invading immune cells with cannabinoids: a promising therapeutic avenue. Click > [here](#) < for more.
- Cannabinoid action induces autophagy-mediated cell death through stimulation of ER stress in human glioma cells.  
<http://www.unboundmedicine.com/medline/ebm/record/19425170/abstract/>
- Cannabis use and cancer of the head and neck: Case-control study  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2277494/>
- Cannabinoids selectively inhibit proliferation and induce death of cultured human glioblastoma multiforme cells.  
<http://www.ncbi.nlm.nih.gov/pubmed/16078104?dopt=Abstract>

► **CANCER- LEUKEMIA** | Cannabis-induced cytotoxicity in leukemic cell lines

<http://bloodjournal.hematologylibrary.org/cgi/content/abstract/105/3/121>

[4](#)

- Cannabidiol-Induced Apoptosis in Human Leukemia Cells  
<http://molpharm.aspetjournals.org/cgi/content/full/70/3/897>
- Marijuana's Active Ingredient Kills Leukemia Cells  
<http://www.treatingyourself.com/vbulletin/showthread.php?t=7107>
- Targeting CB2 cannabinoid receptors to treat malignant lymphoblastic disease  
<http://bloodjournal.hematologylibrary.org/cgi/reprint/100/2/627.pdf>
- Cannabinoids induce incomplete maturation of cultured human leukemia cells (1987)  
[http://www.osti.gov/energycitations/product.biblio.jsp?osti\\_id=5164483](http://www.osti.gov/energycitations/product.biblio.jsp?osti_id=5164483)
- {Delta}9-Tetrahydrocannabinol-Induced Apoptosis in Jurkat Leukemia T Cells Is Regulated by Translocation of Bad to Mitochondria  
<http://mcr.aacrjournals.org/cgi/content/abstract/4/8/549>
- Cannabidiol inhibits tumour growth in leukaemia and breast cancer in animal studies

[http://www.cannabismed.org/english/bulletin/ww\\_en\\_db\\_cannabis\\_artikel.php?id=220#2](http://www.cannabismed.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=220#2)

- Enhancing the in vitro cytotoxic activity of Delta9-tetrahydrocannabinol in leukemic cells through a combinatorial approach

<http://www.ncbi.nlm.nih.gov/pubmed/18608861>

► **CANCER- LUNG** | Antineoplastic activity of cannabinoids

<http://www.ukcia.org/research/AntineoplasticActivityOfCannabinoids/default.html>

- Delta(9)-Tetrahydrocannabinol inhibits epithelial growth factor-induced lung cancer cell migration in vitro as well as its growth and metastasis in vivo

Click > [here](#) < ( or visit -

[http://www.unboundmedicine.com/medline/ebm/record/17621270/abstract/Delta\\_9\\_Tetrahydrocannabinol\\_inhibits\\_epithelial\\_growth\\_factor\\_induced\\_lung\\_cancer\\_cell\\_migration\\_in\\_vitro\\_as\\_well\\_as\\_its\\_growth\\_and\\_metastasis\\_in\\_vivo](http://www.unboundmedicine.com/medline/ebm/record/17621270/abstract/Delta_9_Tetrahydrocannabinol_inhibits_epithelial_growth_factor_induced_lung_cancer_cell_migration_in_vitro_as_well_as_its_growth_and_metastasis_in_vivo)

)

- Smoking Cannabis Does Not Cause Cancer Of Lung or Upper Airways

<http://ccrmg.org/journal/05aut/nocancer.html>

- No association between lung cancer and cannabis smoking in large study

[http://www.cannabismed.org/english/bulletin/ww\\_en\\_db\\_cannabis\\_artikel.php?id=219#2](http://www.cannabismed.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=219#2)

[http://www.cannabismed.org/english/bulletin/ww\\_en\\_db\\_cannabis\\_artikel.php?id=219#2](http://www.cannabismed.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=219#2)

- Marijuana Smoking Found Non-Carcinogenic

<http://www.medpagetoday.com/HematologyOncology/LungCancer/tb/3393>

- CLAIM #4: MARIJUANA CAUSES LUNG DISEASE

[http://www.erowid.org/plants/cannabis/cannabis\\_myth4.shtml](http://www.erowid.org/plants/cannabis/cannabis_myth4.shtml)

- Marijuana Ingredients Slow Invasion by Cervical and Lung Cancer Cells

<http://www.webmd.com/cancer/news/20071226/pot-slows-cancer-in-test-tube>

- Marijuana May Fight Lung Tumors

<http://www.webmd.com/lung-cancer/news/20070417/marijuana-may-fight-lungtumors>

- Anti-Tumor Effects

<http://www.ukcia.org/research/AntiTumorEffects.htm>

- Cannabinoids Induce Cancer Cell Proliferation via Tumor Necrosis Factor {alpha}-Converting Enzyme (TACE/ADAM17)-Mediated Transactivation of the Epidermal Growth Factor Receptor

Click > [here](#) < ( or visit -

<http://cancerres.aacrjournals.org/cgi/content/full/64/6/1943?maxtoshow=&HITS=>

S=

10&hits=10&RESULTFORMAT=&titleabstract=Cannabinoids+Induce+Cancer+ Cell+Proliferation&searchid=1&FIRSTINDEX=0&resourcetype=HWCIT )

- Anticancer activity of cannabinoids

[http://drugpolicycentral.com/bot/pg/cancer/THC\\_cancer\\_sep\\_1975.htm](http://drugpolicycentral.com/bot/pg/cancer/THC_cancer_sep_1975.htm)

▶ **CANCER- LYMPHOMA** | Cannabinoid Receptor Agonists May Be Novel Class of Anti-Lymphoma Agents

[http://www.pacifier.com/~alive/cmu/cannabinoids\\_and\\_lymphoma.htm](http://www.pacifier.com/~alive/cmu/cannabinoids_and_lymphoma.htm)

- Expression of cannabinoid receptors type 1 and type 2 in non-Hodgkin lymphoma: growth inhibition by receptor activation.

<http://www.ncbi.nlm.nih.gov/pubmed/18546271>

▶ **CANCER- MELANOMA** | Dronabinol for supportive therapy in patients with malignant melanoma and liver metastases.

<http://www.cannabis->

[med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=180](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=180)

- Intractable nausea and vomiting due to gastrointestinal mucosal metastases

[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=35](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=35)

▶ **CANCER- ORAL** | Smoking of cannabis does not increase risk for oral cancer

<http://www.cannabismed.>

[org/english/bulletin/ww\\_en\\_db\\_cannabis\\_artikel.php?id=175#1](http://www.cannabismed.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=175#1)

- Marijuana use and Risk of Oral Squamous Cell Carcinoma

<http://web.archive.org/web/20060112183953/http://www.ukcia.org/research/OralSquamousCellCarcinoma.pdf>

- A Population-Based Case-Control Study of Marijuana Use and Head and Neck Squamous Cell Carcinoma.

<http://www.ncbi.nlm.nih.gov/pubmed/19638490>

▶ **CANCER- PANCREATIC** | Cannabinoids Induce Apoptosis of Pancreatic Tumor Cells via Endoplasmic Reticulum Stress-Related Genes

<http://cancerres.aacrjournals.org/cgi/content/abstract/66/13/6748>

► **CANCER- PROSTATE** | Suppression of Nerve Growth Factor Trk Receptors and Prolactin Receptors by Endocannabinoids Leads to Inhibition of Human Breast and Prostate Cancer Cell Proliferation

<http://endo.endojournals.org/cgi/content/abstract/141/1/118>

- Cannabinoid Receptor as a Novel Target for the Treatment of Prostate Cancer  
<http://cancerres.aacrjournals.org/cgi/reprint/65/5/1635.pdf>
- Cannabis chemicals may help fight prostate cancer  
<http://www.reuters.com/article/healthNews/idUSTRE57I02Z20090819>
- Inhibition of human tumour prostate PC-3 cell growth by cannabinoids R(+)-Methanandamide and JWH-015: Involvement of CB2 - Abstract  
[http://www.urotoday.com/index.php?option=com\\_content&task=view\\_ua&id=2224464](http://www.urotoday.com/index.php?option=com_content&task=view_ua&id=2224464)
- Chemicals found in cannabis may help fight prostate cancer  
<http://www.heraldscotland.com/news/health/chemicals-found-in-cannabis-mayhelp-fight-prostate-cancer-1.823429#>
- Anti-proliferative and apoptotic effects of anandamide in human prostatic cancer cell lines: implication of epidermal growth factor receptor down-regulation and ceramide production.  
<http://www.ncbi.nlm.nih.gov/pubmed/12746841?dopt=Abstract>
- 9-Tetrahydrocannabinol induces apoptosis in human prostate PC-3 cells via a receptor-independent mechanism  
Click > [here](#) < ( or visit -  
[http://www.sciencedirect.com/science?\\_ob=ArticleURL&\\_udi=B6T36-3XFTGPRX&coverDate=09%2F24%2F1999&\\_alid=422767905&\\_rdoc=1&\\_fmt=&\\_orig=search&\\_qd=1&\\_cdi=4938&\\_sort=d&view=c&\\_acct=C000050221&\\_version=1&\\_urlVersion=0&\\_userid=10&md5=1c29920efb1acb800723560310e9004e](http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6T36-3XFTGPRX&coverDate=09%2F24%2F1999&_alid=422767905&_rdoc=1&_fmt=&_orig=search&_qd=1&_cdi=4938&_sort=d&view=c&_acct=C000050221&_version=1&_urlVersion=0&_userid=10&md5=1c29920efb1acb800723560310e9004e)  
)

► **CANCER- RISK CANNABIS VS TOBACCO** | Cannabis Smoke and Cancer: Assessing the Risk

[http://www.norml.org/index.cfm?Group\\_ID=6891](http://www.norml.org/index.cfm?Group_ID=6891)

- Cannabis and tobacco smoke are not equally carcinogenic  
<http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=1277837>
- Smoking Marijuana Does Not Cause Lung Cancer  
<http://www.mapinc.org/drugnews/v05/n1065/a03.html>

- Blunt Smokers Link Dependence Potential To Nicotine  
<http://www.medicalnewstoday.com/articles/52838.php>
- Premiere British Medical Journal Pronounces Marijuana Safer Than Alcohol, Tobacco  
<http://cannabislink.ca/medical/safer.html>
- Why Doesn't Smoking Marijuana Cause Cancer?  
<http://www.healthcentral.com/drdean/408/14275.html>
- Marijuana Smoking Found Non-Carcinogenic  
<http://www.medpagetoday.com/HematologyOncology/LungCancer/tb/3393>

▶ **CANCER- SKIN** | Inhibition of skin tumor growth and angiogenesis in vivo by activation of cannabinoid receptors

<http://www.jci.org/cgi/content/full/111/1/43?ijkey=MpUgjDbqHybAU>

- Cannabis Reduces Skin Cancer  
<http://www.onlinepot.org/medical/skincancerreport.htm>

▶ **CANCER- TESTICULAR** | The antiemetic efficacy of nabilone

[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=127](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=127)

- Chemotherapy for Testicular Cancer  
[http://www.rxmarihuana.com/shared\\_comments/testicularchemo.htm](http://www.rxmarihuana.com/shared_comments/testicularchemo.htm)

▶ **CANCER- THYROID** | A metabolically stable analogue of anandamide, Met-F-AEA, inhibits human thyroid carcinoma cell lines by activation of apoptosis, Click > [here](#) < for more

▶ **CANCER- VARIOUS/ UNNAMED** | Derivatives of cannabis for anti-cancer treatment

[http://www.eurekalert.org/pub\\_releases/2005-06/thuo-do060605.php](http://www.eurekalert.org/pub_releases/2005-06/thuo-do060605.php)

- Cancer Killer  
<http://www.november.org/stayinfo/breaking2/CancerKiller.html>
- Anandamide Induces Apoptosis in Human Cells via Vanilloid Receptors  
<http://www.jbc.org/cgi/content/abstract/275/41/31938>
- Nabilone improves pain and symptom management  
[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=177](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=177)

- The effects of smoked cannabis in painful peripheral neuropathy  
[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=96](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=96)
- Delta-9-tetrahydrocannabinol for appetite stimulation  
[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=52](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=52)
- Dronabinol and prochlorperazine in combination  
[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=28](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=28)
- Dronabinol enhancement of appetite in cancer patients.  
[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=149](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=149)
- Efficacy of tetrahydrocannabinol  
[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=31](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=31)
- Inhalation marijuana as an antiemetic for cancer chemotherapy.  
[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=155](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=155)
- Nabilone versus domperidone  
[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=129](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=129)
- Nabilone vs. placebo in chemotherapy-induced nausea and vomiting  
[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=156](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=156)
- The antiemetic activity of tetrahydrocannabinol versus metoclopramide  
[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=24](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=24)
- Delta-9-tetrahydrocannabinol as an antiemetic for patients receiving cancer chemotherapy  
[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=5](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=5)
- Delta-9-tetrahydrocannabinol as an antiemetic in cancer patients receiving highdose methotrexate  
[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=23](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=23)
- Delta-9-tetrahydrocannabinol (THC) as an antiemetic in patients treated with cancer chemotherapy  
[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=27](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=27)
- Amelioration of cancer chemotherapy-induced nausea and vomiting by delta-9- THC  
[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=107](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=107)
- Superiority of nabilone over prochlorperazine as an antiemetic  
[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=126](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=126)
- Analgesic effect of delta-9-tetrahydrocannabinol.  
[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=16](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=16)
- The analgesic properties of delta-9-tetrahydrocannabinol and codeine.  
[http://www.cannabis-med.org/studies/ww\\_en\\_db\\_study\\_show.php?s\\_id=17](http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=17)
- Comparison of orally administered cannabis extract and delta-9-THC, Click > [here](#) < for more.

- Cannabis May Help Combat Cancer-causing Herpes Viruses  
<http://www.sciencedaily.com/releases/2004/09/040923092627.htm>
- Marijuana Smoking Found Non-Carcinogenic  
<http://www.medpagetoday.com/HematologyOncology/LungCancer/tb/3393>
- A Cannabinoid Anticancer Quinone, HU-331, Is More Potent and Less Cardiotoxic Than Doxorubicin: A Comparative in Vivo Study  
<http://jpet.aspetjournals.org/cgi/content/abstract/322/2/646>
- Therapeutic Aspects of Cannabis and Cannabinoids  
<http://www.ukcia.org/research/Thereputic/Therapeut.htm>
- Anti-Tumor Effects  
<http://www.ukcia.org/research/AntiTumorEffects.htm>
- Cannabinoids for Cancer Treatment: Progress and Promise  
<http://cancerres.aacrjournals.org/cgi/content/full/68/2/339>
- Cannabinoids and cancer: pros and cons of an antitumour strategy  
<http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=1617062&tool=pmcentrez>
- Cannabinoids in the treatment of cancer  
[http://www.unboundmedicine.com/medline/ebm/record/19442435/abstract/Cannabinoids\\_in\\_the\\_treatment\\_of\\_cancer](http://www.unboundmedicine.com/medline/ebm/record/19442435/abstract/Cannabinoids_in_the_treatment_of_cancer)
- Use of cannabinoid receptor agonists in cancer therapy as palliative and curative agents.  
<http://www.ncbi.nlm.nih.gov/pubmed/19285265>
- A Population-Based Case-Control Study of Marijuana Use and Head and Neck Squamous Cell Carcinoma.  
<http://cancerpreventionresearch.aacrjournals.org/cgi/content/abstract/2/8/759>
- Could smoking pot cut risk of head, neck cancer?  
[http://news.yahoo.com/s/nm/20090825/hl\\_nm/us\\_smoking\\_pot\\_1](http://news.yahoo.com/s/nm/20090825/hl_nm/us_smoking_pot_1)
- Cannabinoids and cancer: pros and cons of an antitumour strategy  
<http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=1617062&tool=pmcentrez>
- Cannabinoid receptor ligands as potential anticancer agents--high hopes for new therapies?  
Click > [here](http://www.ncbi.nlm.nih.gov/pubmed/19589225?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=14) < ( or visit -  
[http://www.ncbi.nlm.nih.gov/pubmed/19589225?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed\\_ResultsPanel.Pubmed\\_RVDocSum&ordinalpos=14](http://www.ncbi.nlm.nih.gov/pubmed/19589225?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=14) )
- Marijuana May Prevent Cancer, Not Cause It  
<http://www.entheology.org/edoto/anmviewer.asp?a=293&print=yes>
- Unpublished Federal Study Found THC-Treated Rats Lived Longer, Had Less Cancer

<http://www.drugsense.org/mcwilliams/www.marijuanamagazine.com/toc/rats.htm>

## Organizations, Contacts and other Resources

▶ **Patients Out of Time | Medical marijuana, cannabis, Clinical Conference.** ... a medical marijuana activist for over 25 years, motivated by the cancer battle ... **About Patients Out of Time.** Focusing on medical marijuana / cannabis. The history of Patients out of Time, Board of Directors; and Board of Advisors are located in this section. ... **National Clinical Conference on Cannabis Therapeutics.** Faculty and agenda concerning our **National Clinical Conference on Cannabis Therapeutics held every two years.** ... Patient Information. This section is a key source of information designed to assist patients in educating themselves and their caregivers about therapeutic cannabis. State cannabis registries and cannabis clubs contact information is listed here. Visit: <http://www.medicalcannabis.com/>

▶ **CANCER Information by [www.SafeAccessNow.org](http://www.SafeAccessNow.org) | We are committed to ensuring safe, legal availability of marijuana for medical uses. This brochure is intended to help doctors, patients and policymakers better understand how marijuana—or "cannabis" as it is more properly called—may be used as a treatment for people with serious medical conditions. This booklet contains information about using cannabis as medicine.**

**CANNABIS AND CANCER.** Cannabis has been found to help cancer patients with pain and nausea, and recent research indicates it has tumor-reducing and anti-carcinogenic properties as well. It has proven highly effective at controlling the nausea associated with chemotherapy, and its appetitestimulation properties help combat wasting. Cannabis can also help control the pain associated with some cancers, as well as that resulting from radiation and chemotherapy treatment. ... as opposed to persecuting the sick for whatever relief they may have from medical cannabis. — Anonymous patient. Lyn Nofziger, Father of Cancer Patient ... Visit: [http://www.safeaccessnow.org/downloads/cancer\\_brochure.pdf](http://www.safeaccessnow.org/downloads/cancer_brochure.pdf) and <http://www.safeaccessnow.org/article.php?id=4559>

▶ **American Medical Marijuana Association (AMMA) | How Cannabis Fights Cancer ... Because California seems to be the testing grounds for medical cannabis patients it is not surprising to see most of the ... How Cannabis Fights Cancer.** Here it is, the latest in cannabis research, reported in a top science journal that explains in precise detail how cannabis kills tumors, cuts off their blood supply, and protects healthy cells. **Download this file and give it to your physician.** Pot Shrinks Tumors; Government Knew in '74 In 1974 researchers at the Medical College of Virginia, who had been funded by the National Institute of Health to find evidence that marijuana damages the immune system, found instead that THC slowed the growth of three kinds of cancer in mice - lung and breast cancer, and leukemia. A quarter century later, scientists in



Spain repeated this experiment and got the same incredible results. ... and more.  
Visit: <http://americanmarijuana.org/>

- Cancer -

▶ **Online Cancer Guide (INF) | A comprehensive resource providing complete information on various types of cancers such as prostate cancer, breast cancer, lung cancer, skin cancer, throat, blood cancer, brain cancer, bone Cancer, etc.** Also know about the causes of these cancers, symptoms, various treatment methods. Visit: <http://www.onlinecancerguide.com>

▶ **Cancer Report (INF) Learn to "cancer proof" your body, so no type of cancer can survive. | There are many natural cancer treatments that can make a big difference in whether someone with cancer will ultimately live or die. Many things can help. However, no one can take everything, so the trick is to use the best possible supplements that give you the most chance of survival.** In this website, I introduce you to some of the best. And explain why they work in a way that's not too hard to understand and makes some sense. The main cancer treatments I cover will work with any type of cancer, because they deal with cancer at the fundamental level. Dealing with the conditions that allow it to grow in the body. So let's get started. The cancer link has all my basic information. visit: <http://www.cancer-treatments.net/>

▶ **CancerPage.com, YOUR CANCER COMMUNITY ONLINE. | Created for patients and their loved ones, we are your trusted source for the latest news, research, and information on prevention, detection, and treatment. We're here as a complete cancer information and community resource to help at a time when you or your loved ones may be frightened or uncertain.** Choose what you want from this online community. Read plain-English articles reviewed by medical experts about the type of cancer that has touched your life or the life of someone you love. Find out what treatments seem to work best, alternative approaches to wellness and recovery, and read the stories of others going through their own journeys with cancer. Keep a journal of your diagnosis, treatment, medication, and feelings. Join our chat rooms to learn from, and share with, others. Visit: <http://www.cancerpage.com/>

▶ **Breast Cancer; From Faith Addiss (article) | Pam Stephan - Breast Cancer Guide; What is Breast Cancer? Symptoms of Breast Cancer Diagnosis of Breast Cancer Treatments for Breast Cancer Preventing Breast Cancer (visit: <http://breastcancer.about.com/mbiopage.htm>).** Pamela is a 7-year breast cancer survivor who has been writing about breast cancer for several years. In addition to working to educate the public through her work, she volunteers with a local breast cancer support organization. a Guide to Breast Cancer, FREE Newsletter. visit: <http://breastcancer.about.com/>

**FORUMS Section**

▶ **iMedicalCannabis - Medical Cannabis Patient Resource Platform.** | **iMedicalCannabis.org** is an education and resource platform built to empower medical cannabis patients, physicians, and providers with the information and resources needed for **Safe Access to medical cannabis.** Medical Marijuana Directory ... Clarifying Law on Medical Cannabis, Sides split over medical marijuana bill, County Pays Medical Marijuana User \$2,000 for New Lamps, Marijuana Rivals Mainstream Drugs For Alleviating HIV/AIDS, Northeast States High on Medical Marijuana ... and more. visit: <http://www.imedicalcannabis.org/>

▶ **Potential anti Cancer effects of medical cannabis - Frontier science | Background:** The major active component of the medicinal plant cannabis, **Delta9-THC**, has been shown in experiments with rats to have therapeutic potential against brain tumors. **SETH Group scientists Garret Yount, Ph.D. and Sean McAllister, Ph.D. designed experiments in a time-lapse microscope to test whether Delta9-THC can stop the growth of human glioblastoma multiforma (GBM) brain cancer cells.** Using the same tests that are used to judge new chemotherapies, the team discovered that the herbal compound kills human GBM cells at a concentration that is nontoxic to normal brain cells. Click here to see Featured Experiment.

**Implications: No chemotherapy can match this nontoxic anti-cancer action.** The implication is that this plant compound could be a safe medicine against brain tumors, without the side effects of chemotherapy. These exciting results may be just the tip of the iceberg, however, because Delta9-THC is only one of many active compounds in medicinal cannabis. Other active constituents of the Cannabis plant (called cannabinoids) are also likely to have a nontoxic anti-cancer action. Visit: <http://mrlunk.blogspot.com/2009/03/potential-anti-cancer-effects-of.html>

▶ **Medical Marijuana Consultations: Cannabis Doctors Consultation Information Blog | Cannabis Dispensary Owner May be Locked Up in Jail.** National authorities have been continuing their activities on shutting down medical marijuana clinics and dispensaries throughout California in spite existing state law. The Compassionate Use Act of 1996 or the Proposition 215 permits patients having recommendations from licensed physicians or marijuana doctors to grow and acquire marijuana only for medical purposes. However, federal law claims it is illegal to acquire, distribute, or cultivate any kind of marijuana or whatever use it may serve. For instance, a previous Morro Bay owner of a medical cannabis dispensary, Charles Lynch, will be sentenced in the Los Angeles Federal Court House on March 23 for violating federal drug laws.

**In August 5, 2008, Lynch was found guilty on five federal counts. His charges include criminal conspiracy and possession with intent to distribute.** Lynch said that his case has destroyed his life after being seen for one week on the front page of the DEA Web site. Lynch was a former

medical marijuana patient who opened Central Coast ompassionate Caregivers to patients and other users (caregivers, providers, marijuana doctors) having a licensed hysician's or marijuana doctor's recommendations. Lynch may face a minimum of 5 years in federal prison.

**Morro Bay Mayor, Janice Peters and City Attorney Rob Shultz testified at the trial. Peters claimed that medical marijuana clinics and dispensaries in their area are worthwhile as many patients and marijuana doctors use and recommend medical marijuana for glaucoma and even cancer symptoms.**

On the other hand, Schultz claimed that the council had met all city requirements although the federal law said marijuana is still a controlled substance, which prompts them to arrest anybody with the said substance. ... In the Prop 215, it states that medical cannabis is appropriate to patients with migraine, glaucoma, cancer, AIDS, and other illnesses in which the drug ... Visit: <http://205.234.204.49/>

▶ other Viable Forums, BlogSpots, chat rooms and other such online resources will be listed here as we learn about them.

## Businesses Section

BIZ, MED, Cancer

- media

▶ **Journal of Clinical Oncology (BIZ, Media) | The Journal of Clinical Oncology serves its readers as the single most credible, authoritative resource for disseminating significant clinical oncology research. In print and in electronic format, JCO strives to publish the highest quality manuscripts dedicated to clinical research. Original Reports remain the focus of the Journal, but this scientific communication is enhanced by appropriately selected Editorials, Commentaries, Reviews, and other work that relate to the care of patients with cancer. JCO's offices are located at 330 John Carlyle Street, Suite 300, Alexandria, VA 22314. For editorial correspondence (manuscript-related inquiries) please contact the Editorial Office at: Telephone: (703) 797-1900; Fax: (703) 684-8720; or visit: <http://www.jco.org/>**

- clinic

▶ **M. D. Anderson Cancer Center (BIZ, MED) | The mission of The University of Texas M. D. Anderson Cancer Center is to eliminate cancer in Texas, the nation, and the world through outstanding programs that integrate patient care, research and prevention, and through education for undergraduate and graduate students, trainees, professionals, employees and the public. Resources for Professionals; We offer a wealth of publicly available resources and tools for clinical physicians, nurses, and research scientists. visit: <http://www.mdanderson.org/>**

BIZ, SVC, INF, Cancer

▶ **LemonMD.com by Dr. Stephen Lemon, a medical oncologist at Oncology Associates in Omaha, Nebraska (BIZ, INF) | LemonMD.com is a medical website created to provide practical information about cancer. Here we present cancer information in an easily understandable format, for patients, family members, and the general public.** At LemonMD.com we are focusing on our Medical Video Center and our Personal Cancer Care Center. The medical video center contains cancer information and patient stories in a video format. We will be adding more of these videos on a regular basis. Personalized cancer care is the latest cutting edge development in cancer treatment. At LemonMD.com we explain what this means, and how it can help you or your loved one. I hope you find our website helpful in your quest to learn more about the newest scientific advances in cancer prevention, diagnosis, treatment, and survivorship. Remember, the future of cancer treatment is bright! visit: <http://www.lemonmd.com/>

▶ **MerckSource: Learn About Your Condition (BIZ, INF) | Condition Guides on MerckSource provide you with condition-specific health information and resources. MerckSource (Subscription service) offers a wide variety of core health tools and resources, available to you 24 hours a day, 7 days a week. We've designed this website with your health and medical needs in mind. Best of all, it's free and it has absolutely no advertising. No distractions. Just credible, unbiased health and medical information at your fingertips.** This information is provided by an independent source. Merck & Co., Inc. is not responsible for this content. Please discuss any and all treatment options with your healthcare professional. The manufacturer of a product generally has the most complete information about that product. Powered by Dorland's Illustrated Medical Dictionary. visit: [http://www.mercksource.com/pp/us/cns/cns\\_home.jsp](http://www.mercksource.com/pp/us/cns/cns_home.jsp)

▶ **World-Class Cancer Centers. Discuss your options w/ the leading patient empowerment cancer hospital (BIZ, Med) | Why Choose Cancer Treatment Centers of America (CTCA)? We help you fight cancer on all fronts by offering the following: Advanced medical treatments and technologies CTCA offers new and innovative treatments, including options for advanced stage cancers and complex cases, so you can win the fight. A collaborative, multidisciplinary team of experts that works alongside you CTCA cancer experts work together so you receive a treatment plan that is tailored to your needs. Whole-person care to help you fight the disease and enjoy a good quality of life CTCA provides supportive therapies for your body, mind and spirit so you can stay strong, manage side effects, and better tolerate cancer treatment. A positive, compassionate, patient-centered environment that inspires hope** CTCA hospitals are warm and welcoming. When you visit, you can relax, connect with other patients and families, and focus on healing. Information, guidance, communication, and empowerment CTCA care team members will listen to you, provide clear information, and answer your questions so you can make informed decisions about your treatment. Click > [here](#) < for more.

## NEWS Section

► **Breakthrough Discovered in Medical Marijuana Cancer Treatment - Tim King, Jan-11-2008 - Salem-News.com** Researchers learned that cannabinoids have been associated with anti-carcinogenic effects, which are responsible in preventing or delaying the development of cancer. | (SALEM, Ore.) - A new study reveals that Medical Marijuana can be an effective treatment for cancer, that is the word announced by doctors in Germany who concluded that this clarification of the mechanism of cannabinoid action may help investigators to further explore their **therapeutic benefit**. The medical article was originally published in the Journal of the National Cancer Institute Advance Access and online on December 25th 2007.

Cancer cells that were treated with combinations of cannabinoids, antagonists of cannabinoid receptors, and small interfering ribo nucleic acid or 'siRNA' to tissue inhibitor of matrix metalloproteinases-1 (TIMP-1) were assessed for invasiveness, protein expression, and activation of signal transduction pathways. The biggest contribution of this breakthrough discovery, is that the expression of TIMP-1 was shown to be **stimulated by cannabinoid receptor activation and to mediate the anti-invasive effect of cannabinoids**. In other words, they learned that treatment with cannabinoids, one of the active ingredients of the medicinal side of marijuana, has been shown to reduce the invasiveness of cancer cells. Prior to now the cellular mechanisms underlying this effect were unclear and the relevance of the findings to the behavior of tumor cells in vivo remains to be determined.

Visit:

[http://www.salem-news.com/articles/january112008/cancer\\_treatment\\_11008.php](http://www.salem-news.com/articles/january112008/cancer_treatment_11008.php)

► **This site is dedicated to creation of an interactive forum for patients, Pot Shrinks Tumors; U.S. Government Knew in '74 By Raymond Cushing, AlterNet. Posted May 31, 2000 |** In 1974 researchers learned that THC, the active chemical in marijuana, shrank or destroyed brain tumors in test mice. But the DEA quickly shut down the study and destroyed its results, which were never replicated -- until now. | The term medical marijuana took on dramatic new meaning in February, 2000 when researchers in Madrid announced they had destroyed incurable brain tumors in rats by injecting them with THC, the active ingredient in cannabis. The Madrid study marks only the second time that THC has been administered to tumor-bearing animals; the first was a Virginia investigation 26 years ago. In both studies, the THC shrank or destroyed tumors in a majority of the test subjects. ... In 1983 the Reagan/Bush Administration tried to persuade American universities and researchers to destroy all 1966-76 cannabis research work, including compendiums in libraries, reports Jack Herer, who states, "We know that large amounts of information have since disappeared." ... visit: <http://www.alternet.org>

► **Ireland: Cannabis Eases Cancer Sickness, Study Finds (ORG, article) | “CANNABIS chemicals are better than conventional drugs at controlling sickness caused by cancer treatments, a study showed yesterday.”**

**CANNABIS EASES CANCER SICKNESS, STUDY FINDS. CANNABIS chemicals are better than conventional drugs at controlling sickness caused by cancer treatments, a study showed yesterday. But researchers found that cannabinoids, the compounds responsible for the "high" obtained from cannabis, could have serious side-effects. These ranged from feelings of euphoria and drowsiness, to dizziness, depression and hallucinations.** A second investigation by the same team of British and Swiss researchers found that cannabinoids were no better than codeine for controlling acute and chronic pain.

**Both reports appeared yesterday in the British Medical Journal.** The sickness study, led by Martin Tramer at the Hopitaux Universitaires Geneva, reviewed 30 trials involving more than 1,300 patients undergoing chemotherapy. visit: <http://www.mapinc.org/drugnews/v01.n1307.a07.html>

### Cannabis as Medicine

► **Medical cannabis - From Wikipedia, the free encyclopedia | Cannabis Indica (now referred to as Cannabis sativa subsp. indica),[1] Fluid Extract, American Druggists Syndicate, pre-1937. Medical cannabis, (commonly referred to as "Medical marijuana"), refers to the use of the cannabis plant as a physician-recommended drug or herbal therapy, as well as synthetic THC and other cannabinoids. There are many studies regarding the use of cannabis in a medicinal context.[2][3] Drug usage generally requires a prescription, and distribution is usually done within a framework defined by local laws. There are several methods for administration of dosage including vaporizing or smoking dried cannabis buds, drinking or eating cannabis extracts, and taking synthetic THC pills.[4][5] The comparable efficacy of these methods was the subject of an investigative study by the National Institutes of Health.[3] 1.1 Partial list of clinical applications 1.2 Recent studies 1.2.1 Alzheimer's Disease 1.2.2 Neuron growth 1.2.3 Lung cancer and COPD 1.2.4 Breast cancer 1.2.5 HIV/AIDS 1.2.6 Brain cancer 1.2.7 Head Injuries ... and more. Visit: [http://en.wikipedia.org/wiki/Medical\\_cannabis](http://en.wikipedia.org/wiki/Medical_cannabis)**

► **RxMarijuana.com | Marijuana: The Forbidden Medicine.** (ORG, inf, Book) Featured Medical Marijuana Patient Accounts \* to share website visitors' medical marijuana histories to provide insight into uses for this medicine which are not widely known. ... If you wish to send us a personal account of your medical marijuana experiences, ... Cannabis and Cancer by Michael McKenna ... visit: [www.rxmarihuana.com/shared.htm](http://www.rxmarihuana.com/shared.htm)

► **Medical-101.com** (web-ring / link-list) \* Your starting point for the best medical info. Free Medical Cannabis info Find what you're looking for! Visit: [www.medical-101.com/s/medical\\_cannabis](http://www.medical-101.com/s/medical_cannabis)

## Comments

Monday, February 6, 2012 at 11:50 AM:

**somebody** from here wrote:

*"Dr. Oz had a show on the fastest growing cancer in women, thyroid cancer. It was a very interesting program and he mentioned that the increase could possibly be related to the use of dental x-rays and mammograms. He demonstrated that on the apron the dentist puts on you for your dental x-rays there is a little flap that can be lifted up and wrapped around your neck. Many dentists don't bother to use it. Also, there is something called a "thyroid guard" for use during mammograms. By coincidence, one of our friends had her yearly mammogram yesterday. She said she felt a little silly, but asked about the guard and sure enough, the technician had one in a drawer. She asked why it wasn't routinely used. Answer: "I don't know. You have to ask for it." Well, if I hadn't seen the show, she asked how would I have known to ask? We need to pass this on to our daughters, nieces, mothers and all our Female friends and husbands tell your wives !! I just did, now you send it on to your list. Someone was nice enough to forward this to me. I hope you pass this on to your friends and family."*

Thursday, April 11, 2010 at 06:41 AM:

**Angela** from Seaside, Oregon wrote:

*"I spoke with a family last night who is very "square" for lack of a better term. I was scheduled to be one of their "dinner ladies" by the local church my parents attend. The reason I signed up to take them dinner is because I wanted to expose them to some information...you see, the church ladies are feeding them because they've just been told that the father (40 yrs old with a 10 yr old daughter) has brain cancer, and his dr.s gave him 1-3 years to live! He has just*

*started chemo and radiation. If anyone has some links to good scientific studies about cannabis and its relation to brain cancer I'd appreciate it a great deal. I told them as much as I could and gave them the OMMP gov. website, and the link to the Rick Simpson movie, but I was hoping the people on this list would have more... thanks ahead of time...*

*~Angela*

*we had a lady come to an open OGF meeting who was a non cannabis person herself but she related the story of her husband who had been in the military his whole life and pretty militantly anti-cannabis as was his whole family. Dying of brain cancer before the OMMP, a doctor at the pain clinic at OHSU convinced him to give cannabis a try and gave her a note to take to a certain local head shop where they provided her husband free mmj until his death. While it didn't seem to do anything for the cancer, he did start eating again, start laughing again and was able to better enjoy those days he did have. I was amazed at the people who took that risk pre-OMMA because they believed so strongly it was helpful - and it was.*

*~Krista*

*try these links -*

*<http://www.oregongreenfree.net/forums/forumdisplay.php?f=110>*

*<http://mercycenters.org/libry/>*

*<http://www.medicalcannabis.com/>*

*~K*

*Check out Granny Storm Crow's list:*

*<http://forum.grasscity.com/medical-marijuana/525051-granny-storm-crows-mmj-reference-list.html>*

*It is organized by disease.*

*~clinton*



*There are several articles about cannabis and cancer at this link:*

[http://www.letfreedomgrow.com/index\\_se\\_cmu.htm](http://www.letfreedomgrow.com/index_se_cmu.htm)

*~Arthur*

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Thursday, July 30, 2009 at 06:09 PM:

**Nik** from Salem, Oregon wrote:

*" I am an Ovarian Cancer patient I have had my card since 2006, but need a provider. Not doctor, Ommp provider. I need my meds, as I am going through chemotherapy currently. any info would be appreciated. I dont' like joining groups or attending meetings. Thanks"*

Wednesday, April 15, 2009 at 07:41 PM:

**adam** from 29 palms, ca. wrote:

*" Where or who can I get medical cannibis from, with my leagal papper work and card i have BONE CANCER please help me now I have no money. "*

Wednesday, March 3, 2009 at 03:26 PM:

**Jo** from California wrote:

*" My 27 year old brother died in 2006 from an incurable stomach cancer that doctors stated they could not treat until it was too late. He was 110 at 5'8" and the doctors wouldn't help him becuase he didn't have proper insurance to cover the procedures needed. He used Marajuana to help him eat, walk and have a quality of health that one would care to have before the end of your final days. My brother died in the hospital in pain. This illness took over my brothers life when he was 18 years old. None of the doctors that he has ever seen or any prescriptions he was given was EVER able to help him with the pain he experienced and his loss of appetite.*

*Without marajuana, I beleive I would have lost my baby brother a lot sooner. His final days were painful for him to bear and painful for our family to watch. We all did all we could to ask for more help from the doctors for the pain but as I have*

*noticed it seems that they believe more in giving more addictive FDA approved drugs than natural drugs that give you a quality of life that is less harmful for your body than a vast majority of the FDA approved drugs that your family doctor will prescribe for you.*

*I do not take drugs but I don't wish a painful death on anyone if your quality of life can be improved by an all natural drugs that may NOT be FDA approved but will help you along to your next journey. What is so hard to understand about that? Please help more people like my brother live a quality life before it's too late!  
PLEASE LEGALIZE MARIJUANA EVERYWHERE!!! "*

Wednesday, November 19, 2008 at 06:56 PM:

**Mary E. Adams-Hibar** from Boulder, CO wrote:

*"I have a medical marijuana certificate, where do I acquire it, without breaking the law? "*

Tuesday, July 29 at 08:42 PM:

**a** from **b** wrote:

*"CANCER medical uses. This brochure is intended to help doctors, patients and ... medical cannabis with any patient, and. issue a written or oral recommendation ... [safeaccessnow.org/downloads/cancer\\_brochure.pdf](http://safeaccessnow.org/downloads/cancer_brochure.pdf) "*

Monday, July 21, 2008 at 08:11 PM:

*"STUDY: SMOKING POT DOESN'T CAUSE CANCER--IT MAY PREVENT IT!*

*The Greatest Story Never Told*

*Smoking Cannabis Does Not Cause Cancer Of Lung or Upper Airways, Tashkin Finds; Data Suggest Possible Protective Effect*

*The story summarized by that headline ran in O'Shaughnessy's (Autumn 2005), CounterPunch, and the Anderson Valley Advertiser. Did we win Pulitzers, dude? No, the story was ignored or buried by the corporate media. It didn't even make the "Project Censored" list of under-reported stories for 2005. "We were even*

*censored by Project Censored," said Tod Mikuriya, who liked his shot of wry. visit  
- [www.counterpunch.org/gardner05032008.html](http://www.counterpunch.org/gardner05032008.html) "*

Tuesday, July 1, 2008 at 12:25 PM:

**rockmartconnie** from Georgia wrote:

*"How do I get Medical marijuana for my bone cancer pain/nausea? "*

Tuesday, October 2, 2007 at 12:42 PM:

**john** from togo wrote:

*" i love the site "*

Saturday, July 21, 2007 at 06:34 AM:

**Jack** from Michigan wrote:

*" Politicians in general throughout government who refuse to listen to the medical community who works proactive with cannabis need not be reelected? These same politicians would defend slavery and black rest rooms to this very day as there thinking has and will not change. We the people need change, we the people need open minded government not closed living in the past. Elections are coming up and we can make a difference if we pass the word and know these backward congressman who shout out "I'll never vote for a drug to be legalized" "*

Wednesday, March 28 at 02:47 AM:

**Greer Noble** from South Africa wrote:

*"My 23yr old son smokes cannabis several times a day. Is this damaging to his health? My sister has been diagnosed with breast, lung, bone and liver cancer. She is suffering dreadfull and cannot eat or breathe. How and in what form would cannabis help?"*

Thursday, December 28, 2006 at 03:48 AM:

*"NORML has released a comprehensive review on the subject of cannabis smoke and cancer risk. The report examines over two dozen studies on the subject, paying particular attention to: the differences between cannabis smoke and tobacco smoke; cannabis smoke and its association with head, neck and lung cancer; cannabis and its association with childhood cancers; as well as*

*cannabis smoke and its association with various other cancers. Full text of the report, as well as links to said studies is available online at:*

*Cannabis Smoke and Cancer: Assessing the Risk*

[www.norml.org/index.cfm?Group\\_ID=6891](http://www.norml.org/index.cfm?Group_ID=6891)

*Feel free to contact them (or us!) with any feedback.*

*Contact: Paul Armentano, Senior Policy Analyst \* NORML | NORML Foundation*

*Washington, DC \* 202 | 483-5500 \* [www.norml.org](http://www.norml.org) "*

This document was researched, prepared and presented as public service by  
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