Adams, Don (Cannabis Patient):
Episode 1, 0:02:58  Number one, I’m a firm believer in it. Number two, it’s something that needs to get out to the world. It needs to get out to the world.

Adams, Mike (The Health Ranger):
Episode 1, 0:09:38  This is a plant that has been part of ethnobotanical practices throughout human history because the plant has co-evolved with humanity as we have been here and our ancestors have been here. We’ve used the plants and its constituents as medicine, we’ve used it ritualistically, we’ve used it even as food sources, rich in healthy oils, healthy seeds, and so on. It’s only relatively recently that there has been prohibition against this natural plant.

Episode 1, 0:32:15  In my science lab, we’ve looked at a lot of different botanicals, a lot of healing medicines. When we look at the sacred plant, we find that it has the most astonishing healing molecules that Mother Nature has found ways to rearrange, using the same elements, carbon, hydrogen, and oxygen. That’s what makes CBD, but it’s also the same as what’s in THC, they’re just rearranged differently. So the sacred plant is sort of a re-coding of the information system of Mother Nature, that’s compatible with your body and your mind. It’s like high-level software that is actually programming you to heal and it’s put on this Earth, I believe, as a sacred plant to accomplish this for humanity. We are supposed to be awake, aware, alive, healthy. We’re supposed to have access to medicine. It’s supposed to be open-source and it’s supposed to be made of the simplest elements in the universe, carbon, hydrogen, and oxygen, and that’s what we find throughout this sacred plant.
Episode 1, 1:01:02 To those who say that cannabis is against their religion, well, that makes no sense because if you believe in God, then you believe that God put the plants here to be biocompatible with us, who were created in the image of God. How can God have created us and not have created cannabis?

Episode 1, 1:15:45 The medical establishment decided long ago that they could not maximize their profits if the people have access to this sacred plant. If the people have access to this natural medicine, they wouldn’t need all these prescription pharmaceuticals for pain killers and Alzheimer’s and all of these other conditions that the sacred plant can help address, so we have been denied access to that as a deliberate strategy to enrich the profits of powerful corporations that are, in essence, enslaving humanity by depriving us of access to the natural solutions that have been made available to us by Mother Nature.

Episode 1, 1:27:54 Under the corruption of the pharmaceutical industry, humanity has only become more sick, more demented, with more cancer, heart disease, Alzheimer’s, brain disorders, psychiatric disorders, a lower quality of life, and less awareness and awakening.

Episode 2, 0:11:38 It’s a full spectrum of molecules, it’s not one isolated chemical like you get from the drug companies and that’s why cannabis is typically not addictive to people especially the non psychoactive compounds such as CBD.

Episode 2, 0:24:08 It seems insane that people will take an isolated chemical pharmaceutical painkiller like opioids and think that that’s medicine and that that’s okay and that’s healthy, but yet they will look upon cannabis with some sort of disdain as if that’s unnatural they’ve got it all backwards.

Episode 2, 0:45:15 If you think about what the drug companies do with opioids and other prescription painkillers is that they disconnect you from yourself. They block you from being human. Because they make it so that
you don’t feel your pain and you don’t address the symptoms and the causes of the pain, but you become addicted to that chemical in order to continue masking the problem.

*Episode 2, 0:59:04*  With all of the open source research into cannabis today, there are hundreds of different strains that each have special medicinal properties. Each one is a gold mine of natural medicine. Each one has a specific place in a medical context and if we are wise about our economic futures and our health futures and the future of our freedom, then we will embrace cannabis as natural medicine throughout our healthcare system.

*Episode 5, 0:28:45*  We all need to be careful. If you’re consuming cannabis extracts or products of any kind, you need to go to a trusted source that uses truly natural production methods and doesn’t have the synthetic ingredients and doesn’t have the toxic solvents that are sometimes used to extract these constituents. Some people are using hexane or even butane to extract hemp constituents. You don’t want to be drinking or smoking hexane or butane, believe me.

*Episode 6, 0:56:36*  You need to understand that this is still a young industry in terms of cannabis extracts and dietary supplements. It’s very important to use a trusted source that has done the laboratory analysis that’s necessary, so that you understand exactly what is in the cannabis that you’re consuming, and also, what’s not in it. Not all cannabis production is green. There are a lot of toxic chemicals and pesticides that certain producers would use in cannabis production because they don’t really have the holistic dedication or the same mindset that we have when we are talking about integrated healing, and greening the planet, and opening our minds, and feeling the world by healing ourselves.

*Episode 7, 0:04:00*  This plant addresses so many of the solutions that we need in our society today. A society that in many ways is out of control,
with prescription drug prices bankrupting people, with minds being destroyed by the toxic side-effects of pharmaceutical pain-killers.

**Episode 7, 0:54:57** Our future with cannabis is a very bright future. If we have the wisdom, and the courage to embrace this sacred plant, then it will make our futures brighter. We will have less pain and less suffering. We can have lower healthcare costs, we can have reduced rates of disease. We need to have hospitals and doctors prescribing cannabis, and cannabis extracts, with different levels of different cannabinoids, for different conditions.

**Expert Interview, 0:05:14** Why are these molecules such a perfect fit for the molecules in your brain, the receptor sites in your neurology? How can that be? It’s not just an accident. It’s not just a coincidence. Why is THC psychoactive? Because it’s like a lock and key. It fits in certain receptor sites in your neurons. Our ancient ancestors knew this, and they experienced it. They were able to tap into that wisdom of the plant in ways that enhance their understanding of the world around them, their human experience, their health and healing and even their perspective of the entire cosmos around them.

**Expert Interview, 0:09:40** Because cannabis has such a full spectrum of constituents in cannabinoids, overdosing on it is very, very difficult to achieve even if you try to, but it’s very easy to overdose on prescription opioids and other chemical pain killers from the pharmaceutical industry.

**Aggarwal, Sunil (M.D., Ph.D.):**

**Episode 1, 0:00:33** Our public-funded research has come to recognize so many values of the materials of this plant. In 800-size patient trials going on in multiple sites, that data is there.

**Episode 1, 0:34:40** The herb makes a resin like trees make sap and this particular cannabis sativa plant that’s 37 million years old, produces a
resin, which makes a phytocannabinoids, plant cannabinoids that just so happen to robustly bind to these receptors and boost the activity of the system. Cannabinoids also in immune cells. There’s cannabinoids in bone metabolism, which it’s lots of research, all kinds of systems, but the neurochemical, neuroscientific angle was the first big sort of understanding of what cannabinoids were doing.

*Episode 1, 1:14:56* There’s a patent out there that the government owns that says that they own the idea of using cannabinoids to protect the brain.

*Episode 1, 1:26:56* Not everything is like 100% good all the time. I’m not saying that, but we’ve classified it 100% bad all the time, so that’s officially the position, so we have to look at like we’ve kind of got it backwards and recognize that this thing needs to be responsibly reintegrated into like alternative health systems, community health systems.

*Episode 2, 0:09:07* There is these systems; pain, appetite, mood, inflammation, memory, muscle tone, cannabinoids on the neurons and both in those are important to regulating those.

*Episode 2, 0:37:55* The greatest enemy to that system is open source medicine; medicine that grows like weeds, medicine that anyone can access, medicine that anyone can extract, medicine that is compatible with almost every human body without toxic side effects like you find in dangerous prescription pharmaceuticals.

*Episode 5, 0:50:37* I think that the idea is that it’s fine to have for people to have developed industries around this, there’s a lot of development that can go in that direction but you cannot say that only people of that framework are going to be able to work with this plant and its various constituents. Who doesn’t benefit from antioxidants and protection of the brain. How many people of us are aging and have age related dementia, Alzheimer’s disease or suffer from strokes.
Episode 7, 0:05:12 So there’s lots of hopes, but if we’re talking about cannabis, the hope is that the use of cannabis becomes depoliticized and appropriately integrated into a health, medicinal, wellness, spiritual, human psy-cultural systems, as it has always been, for thousands of years. But since our drug wars, and all our fears, we’ve kind of lost a lot of the human-cannabis relationship.

Expert Interview, 0:06:03 So the endocannabinoid system is part of our bodies’ way to tamp down on overactivity. It’s feedback system that helps to say, “Okay.” The endocannabinoid comes back across the synapse, and says, “You should reduce the firing of this other chemical.”

Expert Interview, 0:09:58 Why are you saying that only one person can produce it in Mississippi, and that it can only be used for a few trials here-and-there? And everybody else who’s caught with it should be a criminal, and felonized? That’s your official federal policy, and that’s not right. It’s against the science, against medical ethics. Please take cannabis out of this scheduling system. Let our states regulate it as we already see fit, and help us develop a system so that we can all interact ... integrate this information together, and move medicine forward.

Expert Interview, 0:26:01 Guess what? The oils in the cannabis seed, which don’t even have THC CBD, maybe some slight tiny residue, but ... you can eat that. Also, all protein content. Also fat. Omega-6 and Omega-3 for brain protection. So the plant has a lot of rich things for human dietary, and medicinal consumption. We should just look at all those different parts, and recognize that we can develop different plants based on that.

Andrew (Cannabis Patient):
Episode 4, 0:47:42 Well, my name’s Andrew. I was diagnosed with an anaplastic astrocytoma, or a grade III glioma, back in November of 2011.
Episode 4, 0:52:55  I invested into a vaporizer for cannabis and told my family. And right off the bat they’re like, “Oh no, from a palliative standpoint, from a symptom standpoint, listen, we’re all for that.” I remember coming out of the room after having a little vaporizing session and my mom saying, “Holy cow.” The difference is amazing. This was unsolicited, she just was like, “What were you doing in there? This stuff really works because you’re hungry, you’re smiling. Your humor, your sense of humor’s back. You look like you feel good. You sound like you feel good.” And I did. I felt fine. I went down and worked out at the gym at the place that I was staying. Right then and there, that was kind of when I questioned why couldn’t there be an anticancer treatment, chemotherapy or some other one hopefully that’s a lot less damaging to healthy cells.

Episode 4, 0:54:10  So I’m coming up on five years without any recurrence. I’m understanding this is what they call long term survival. The doctor is extremely excited about the fact that she hasn’t seen any recurrence yet. She tells me to keep doing whatever it is that I’m doing. And I make sure I let her know that, in addition to everything that my integrative oncologist has suggested that I do, that I have been using cannabis daily from the time that radiation and chemo treatment started until now.

Episode 6, 1:00:56  You see the CNN documentaries with Sanjay Gupta and all of the other documentaries that show how CBD works for families, but it doesn’t work the same, unless it’s from the actual Cannabis sativa plant, in my experience. I believe you need THC in some ratio as well. Obviously, that differs, depending on your condition and on your body type, and everyone’s different.

Avraham, Yosefa:

Episode 7, 0:27:53  We have shown that by inhibiting the CB-1 receptor and stimulating the CB-2 receptor, we can manage liver disease and
hepatic encephalopathy. So cannabidiol restores liver and brain function, so we can use cannabidiol in a clinical trial. The same result we got also for the capsaicin, the hot ingredient in red pepper. We can administer it together and we get very nice results and improvement in liver disease and hepatic encephalopathy.

**Bearman, David (M.D.)**:  
*Episode 1, 0:00:18*  I had a certain amount of skepticism, but the more that I’ve been doing this, the more impressed I’ve been with the enormous range of conditions that can be treated and how effective it is for many people.

*Episode 1, 0:25:41*  I must say, when I saw a front-page article on High Times in about 1975, with a long list of conditions that cannabis would be useful for, and then I thought these people are just using this as a propaganda tool. Well, every one of the 25 conditions that they had on the front page of High Times said I thought they were pulling my leg. I’ve turned out to have people who are patients of mine that I’ve treated and it probably took me a good 15 or 20 years to really appreciate that this stuff still was medicine and that I just didn’t know enough about it. I got quite angry at feeling that I had been mislead and really not educated.

*Episode 2, 0:05:15*  The reason that cannabis has an effect on us is that we have cannabinoid receptors. These receptor sites are everywhere except the brain stem which is why no one has ever died for an overdose of cannabis. That’s why the DEAs chief administrative law judge Francis Young in 1988 in his finding of fact in a cannabis rescheduling hearing said that cannabis was one of the safest therapeutic agents known to man. He said that basically was obscene for the government to block the use of this medicine because it was so safe.

*Episode 2, 0:08:00*  The way that cannabis helps is through a mechanism called retrograde inhibition. By that I mean it slows down the speed of
neurotransmission and attention deficit disorder kind of goes along with PTSD. I mean the same mechanism of action attempts to explain why cannabis is so useful in treating people with attention deficit disorder. I have in any number patient that have said they started smoking cannabis when they were 14 and 15 and their grades went from Ds and Cs to As and Bs because of that.

*Episode 2, 0:10:36*  Dr. Ethan Russo calls something called the entourage effect which is the totality of all of the cannabinoids and terpenes acting collectively. What we have seen I’m the number one prescriber of dronabinol or marinol in Santa Barbara County and I’ve prescribed it to a number of people and several people have found it useful. Many people find that; one, it’s way more expensive than cannabis, number two it doesn’t work as well and number three it has more side effects. Why would you use marinol instead of cannabis?

*Episode 3, 0:07:14*  One of the great tragedies in this country and around the world is that “Reefer Madness” dampened the enthusiasm to do research. Marijuana, or cannabis, has at least 480 compounds.

*Episode 4, 0:21:05*  As a physician, I cannot tell a patient, “Use marijuana to treat your cancer,” because we have blocked studies on the use of cannabis for treating cancer. What I can do is to say, “There’s no question that the cannabinoids are useful in treating your nausea, useful in stimulating your appetite, useful in helping you sleep, useful in dealing with your depression. And oh, by the way, we know that it kills cancer in mice. So if your mice have cancer, give the cannabis to your mice.”

*Expert Interview, 0:08:19*  I also have patients with seizures which was the first modern study that was done on the use of cannabis in medicine was done in 1949 on some people with intractable seizures. It was done with just seven subjects and five of the seven, their seizures were dramatically improved or disappeared entirely. There are also a lot of psychological
conditions. Posttraumatic stress disorder is the most compelling and not everybody that I see for posttraumatic stress disorder is a veteran but many people are and they find that it is much more effective than the goulash of medications that they’re often given to treat the symptoms associated with PTSD and it has far fewer side effects.

Expert Interview, 0:12:58 I think one of the great tragedies in this country and around the world is that Reefer Madness dampened the enthusiasm to do research. We have lost an opportunity to really understand how the brain works. Now, fortunately, we’re recapturing that opportunity.

Expert Interview, 0:19:14 By the way, this was after the American Medical Association in 2009 passed a resolution saying that cannabis should be rescheduled to schedule II so that more research can be done. In fact, if you take a look at what the AMA testified at the Marijuana Tax Act in 1937, they opposed it.

Expert Interview, 0:28:50 Dr. Mechoulam developed a synthetic called dexamabolin which was given to people before they had bypass surgery. In bypass surgery, you’re put on a heart-lung machine and it’s been shown that 60% of people that have bypass surgery in the immediate aftermath of that has some decrease in their intellectual functioning. In 30% or 40%, some of that is permanent. What Mechoulam found was is that that almost never occurred with the patients that were pretreated with dexamabolin.

Bentwich, Zvi (M.D.):
Episode 1, 0:02:30 I didn’t need to be persuaded or convinced that this is something that is going to make it even a revolution in medicine.

Brewer, Gale:
Episode 5, 0:18:15 I’m Gale Brewer, Manhattan Borough President and I am delighted to be here with Columbia Care. I’m here for a couple of
reasons; from the very beginning when Senator Diane Savino was talking about medical marijuana, I will support her. I will support her because I’m sure, like my colleague, I’ve known many people who have been ill with HIV/AIDS and we all look forward to having more dispensaries in this state, having insurance because people will have to pay now. This is a very good beginning.

Bollinger, Ty:
Episode 1, 0:07:57 We do currently have a healthcare crisis in the United States. The crisis has arisen because of the fact that the drugs don’t treat the root cause of the problem. They treat a symptom. They mask a symptom and the problem with pharmaceutical drugs is they’ll create more symptoms that then later they can produce another drug to treat. It’s another band-aid, but that creates more symptoms, so it’s this perpetual endless cycle that we have today of treating symptoms with pharmaceutical drugs, but we never get to the root cause. And that’s where the sacred plant comes in, is because this can actually go to the root cause of some of the symptoms that we’re seeing, and eliminate them.

Episode 1, 0:18:26 Prior to 1937, cannabis oil, hemp oil, was used in almost every pharmacy. It was available over the counter. Medical doctors up to that time, they used cannabis to treat a whole variety of different ailments. What happened in 1937 is that it was called the Marijuana Tax Act was passed. Interesting about marijuana, marijuana’s just a term that the DEA put into the American consciousness. They took the two most popular Hispanic names, Mary and Juan, they put them together and they called it marijuana and so when the Marijuana Tax Act was passed in 1937, which effectively made it illegal, the American Medical Association didn’t protest against this tax because they didn’t know what marijuana was. It was a term that we never used in the United States. No one knew what marijuana was, but the AMA knew what cannabis was. They knew it was a very healing plant, but there was a Dr. Woodward ... There was
a medical doctor and an attorney for the American Medical Association. He testified after the fact, that if the AMA had known that marijuana was actually cannabis, they would’ve protested this act that effectively made it illegal.

*Episode 1, 1:01:30* You know, in Genesis 1:29, it talks about how God gave us all of the trees bearing fruit and the herbs with seeds and all of these natural plants for food and even for medicine, but there’s Old Testament scholars that believe that ... And New Testament scholars that believe that some of the anointing oils that were used in the Bible were actually had cannabis oil in them, had the plant.

*Episode 1, 1:09:08* Here’s something else that’s interesting about being a Schedule 1. According to the Drug Enforcement Agency, to be a Schedule 1 narcotic, the substance can’t have any known medical uses. Okay? No known medical uses. Okay, that’s the definition of a Schedule 1. cannabis is a Schedule 1, but if you go to the American Cancer Society’s website, they’ve got six or eight known medical uses for cannabis. If you go in further, you’ll find out that the Department of Health and Human Services have a patent on the medical uses of cannabis.

*Episode 2, 0:24:40* Each year in the United States we have over 500,000 people dying in alcohol related accidents, but alcohol is legal. Each year in the United States the FDA admits on their own website that 100,000 people die from drugs that they’ve approved and are properly prescribed, but I’m not aware of any deaths from overdosing on cannabis.

*Episode 3, 0:08:27* Studies have been done on cannabis to show that it’s effective at treating multiple sclerosis, that it stops epileptic seizures. I think it’s one of the most amazing plants that’s ever been given to us by God, and we’re not using it properly.

*Episode 4, 0:04:02* The first study that I’m aware of was in 1974, and it was done at the behest of the drug enforcement agency and the National
Institute of Health, and it was at Virginia Medical School. The researchers were supposed to look at cannabis and to determine if it caused cancer.

*Episode 4, 0:04:32* What the pre-ordained conclusion was, I believe they wanted to show that cannabis causes cancer. Unfortunately, for those that wanted that determination, they didn’t get what they wanted because the researchers at the Virginia Medical School found out that it was effective at either preventing or reversing three different types of cancer. You’d think, wow, they just found a natural plant that’s effective at treating three types of cancer, you would think that they would release that to the world and say, “Hey, we’ve got a war on cancer. We’ve just found a plant that is effective at three different types of cancer to prevent or reverse it.” But they didn’t, they buried it.

*Episode 4, 1:04:30* That’s one of the bizarre things is that the insurance companies will cover all of these drugs, all these prescription medications that literally are destroying the health of so many people across this country and across the world, but the insurance companies will cover it. But if somebody wants to use the sacred plant, not covered. Not only is it not covered, if you get caught using it in the wrong state you go to jail.

*Episode 7, 0:26:14* So now we all know that inflammation is not good. Inflammation in your joints, arthritis, you know, hurts to bend your fingers, but people don’t realize ... I think a lot of people don’t realize is that most diseases, including cancer, are a result of chronic inflammation. And so if we can ingest a substance like cannabis on a regular basis, that helps to squelch inflammation, then we can really improve our chances of not ever being diagnosed with what’s a life-threatening form of cancer, or other diseases.

*Episode 7, 0:54:06* It is important for us to come together. It’s important for us to come together and it’s important for people to realize that
there’s a lot of power in our numbers. And if we all came together, and if people are educated on this plant, and they come together, we can change things.

*Expert Interview, 0:08:22*  Another quote by Anslinger was something to the effect that the Negroes’ evil jazz music and their evil ways are luring in the white women so that they have sexual relations with the blacks when they smoked marijuana. It’s like these were so racist, such bizarre things that went on. They were infused into public consciousness at that time. They released propaganda films like Reefer Madness.

*Expert Interview, 0:23:21*  People don’t realize that one of the first Model T’s that Henry Ford developed was made from hemp fiber and it ran on hemp fuel. People don’t realize that one of the first versions of the Declaration of Independence and the US Constitution was actually drafted on hemp paper. People don’t realize that in the colony of Virginia between 1683, I think, in the early 1700’s, you could literally pay your taxes with hemp. For a while, you were required to grow it. You were required to grow it because it was such a beneficial crop. People don’t realize that all the founding fathers had farms that grew hemp.

*Expert Interview, 0:28:27*  Let’s use cancer. People don’t have cancer because they’re deficient in chemotherapy. Adding chemotherapy to a sick body can’t cure cancer. Now, it can kill cancer cells but it doesn’t get to the root problem why that was created to start with and that the reason is created because our body loses equilibrium. It loses homeostasis, the immune system becomes overwhelmed. We become overly burdened with toxicities and so forth. But a drug cannot fix that underlying problem. All the drug can do is mask the symptom.

*Calibri, Jeff (Cannabis Patient):*  
*Episode 5, 0:12:00*  Most people, because of the whole federal government and they put it on a schedule one, they’re brainwashed, they think,
“If the government thinks it’s unsafe, it’s like compared to heroin, it’s gotta be unsafe.” So that’s kind of a stigma that’s really hard to get over ‘cause it’s been engraved in our society for so long. That’s one of the issues we deal with a lot, especially with even friends of ours, I’ve even seen results that we get with her, they’re still in disbelief. They’re like, “No, it’s not the weed, it’s something else. It’s gotta be the chemotherapy or radiation or something,” which we haven’t had her on in a long time.

Cotte, Sebastien (Parent of Cannabis Patient):
Episode 5, 0:40:41 My name is Sebastian Cott. With my wife, Annette, we have a son called Jagger. Jagger is four years old and he has a terminal form of mitochondrial disease called Leigh’s Disease.

Episode 5, 0:41:22 So we, come up here, we moved to Colorado in August and we put Jagger on some oil, high CBD oil for the seizure and also so THC for his muscle pain. We’ve been there for about 10 months now, well nine months and it’s working really good for him. Jagger is on a ton of medication. Before we moved to Colorado, he was on 19 medication and supplements, anything from Valium to Methadone, Baclofen, Larotin, Morphine, Oxycodone and since we’ve been in Colorado we’ve decreased one of his seizure meds, Keppra.

Episode 5, 0:43:24 Some of the seizure medication or pain medications that now taking, they are a million times worse than THC and they get you way higher than THC. The main concern, obviously is always the high, which, to me it makes no sense because Jagger takes 50 milligrams of Valium a day. He’s four years old. If you think that doesn’t get him high. That would get him higher than any dose of THC I could ever give him but nobody will blink about that. It’s okay, he’s on hospice, you need to get his pain medication, let’s give him Valium. If anybody believe that for one second, when that much morphine and that much Valium does not get him high then we are mistaking big time.
Courtney, William (M.D.):
Episode 4, 0:07:43 When a tumor comes up, that tumor looks like you. The immune system goes, “Oh, that’s part of me.” This thing is growing and growing, “Well that’s me, that’s me.” But it looks like, what the cannabis does is comes in and helps that immune system refocus and go, “Oh, that’s not me.” I like to call cannabis a homeostatin because it helps homeostasis at the cellular level. If the particular cells we’re talking about are immunologic, whose job is to protect the self from growths and tumors, it refines that ability to say, “Okay, nonself, destroy it.” It’s gone.

Crone, Patricia (Cannabis Patient):
Episode 1, 0:39:48 My name is Patricia Crone and I have terminal lung cancer, which is not a very good type of cancer to have, and I’ve got metastases in my brain and they will grow and they will eventually kill me, so I am interested in anything over and above the normal treatment that can help. This is where marijuana comes in.

Episode 1, 1:11:38 [In reference to U.S. Government’s patent] It says in his abstract that cannabinoids are found to have particular application as neuroprotectants in limiting neurological damage following ischemic insults, such as stroke and trauma, on the treatment of neurodegenerative diseases, such as Alzheimer’s Disease, Parkinson’s Disease, and HIV dementia. It has more about how it’s good for people who have undergone a cancer chemotherapy or radiation and other sources of oxidative stress. We have here, it seems, an official recognition by the U.S. government that cannabis has medical uses.

Episode 2, 0:53:32 Oxycodones I got 150 strong stuff they can lead to stomach problems, to liver damage and even to death. Much more dangerous than cannabis which is not being used, it’s not being developed and a lot of people may be dying as a result. I’m a skeptic by profession and I know there are lot of fake cures out there but that cannabis fights cancer is not just an old wives’ tale.
I hadn’t really considered the possibility that the police might come. Of course, they could in principle. Everything’s possible. Maybe they could smell the vapors, but what? A respectable old lady like me. Why should they burst into my house? Yeah, what if. You don’t do that for the fun of it. That’s for sure. You do it because you are determined to try anything you can to avoid imminent death. As I said, the really, really serious and scary aspect of whole brain radiation is cognitive damage. That’s why this oil is good enough to be worth time.

In nine months, I had eight, possibly nine, metastases in my brain. In August, I started taking cannabis. In the next eight months, I had two plus a partial improvement. It’s pretty impressive. But is it impressive enough? Postponing radiation probably means faster death. Acceptance, and my life as a scholar is most likely over.

So this is why we fight and this is why we try to make change, because there’s so many other people who don’t have this knowledge and who have ... The medicine is accessible to them, but a lot of them are maybe afraid or it’s something new and it’s something different and the stigma.

We have a lot of ... A lot of MS patients getting out of wheel chairs and it’s on and on and on and on and on.

What we make our own cannabinoids and in plant they’re called phytocannabinoids and in our brain they’re called endocannabinoids and we have two critical endocannabinoids. 2-AG and anandamide. 2-AG functionally is almost identical to CBD, but more importantly, same function. It’s very interesting, because when you’re treating people with estrogen deficiencies, adrenal deficiencies, thyroid deficiencies, whatever, we all understand that one of the issues is when you take
external or exogenous medication that we produce internally, it’s like a thermostat, so we stop making it, which has consequences at times. It’s not that it’s the end of the world and mostly with endocrinology you can handle that, but CBD and there maybe other molecules that do this, I just don’t know of any, is actually causing the release and the balance of our own internal cannabinoids, which is remarkable.

*Episode 2, 0:03:56* We make our own cannabinoids, in the plant they are called phytocannabinoids and in our brain they are called endocannabinoids. We have two critical endocannabinoids; 2-AG and anandamide. 2-AG functionally is almost identical to CBD, the molecules are very, very similar but more importantly same function.

*Episode 2, 0:12:36* It’s the combination of all about 500 molecules in the cannabis plant that give us all its benefits. All the terpenes which were smoked cannabinoids and flavonoids and other alkaloids they all have medicinal value.

*Episode 2, 00:25:59* Since I have seen I won’t say how many, a lot of people receive one or two milligrams of whole plant CBD and they can’t worry anymore. I mean they come in here right for a lot of reasons and they come back and tell me they can’t worry it’s like one of my parlor tricks right try what you were worrying about earlier try worry.

*Episode 4, 0:25:08* I’m so cautious when I say this, but I personally do believe that a number of the molecules in cannabis have powerful anti-tumor effects.

*Expert Interview, 0:20:25* They are testing ... Like with two of my patients I spoke with this morning who have kids one, five and ten with horrible brain tumors ... I often see people when they’ve been told that there’s nothing else to do so then there’s no ethical conflict at all. It’s quite simple. People should be able to do what they want to do. I don’t know what it’s going to ... Like these little girls, you see how sick they are. What’s
going to happen? I don’t know. But, I certainly don’t discard a miracle and I definitely don’t discard that this is probably very active against irregular growth of cells.

**Expert Interview, 0:37:29**  But look, there’s tons of cannabinoids in mother’s milk. That’s an interesting one to know. Yeah. That’s a big part of what makes the baby ... I mean it’s always hard for me to say, “Yes smoke during or take cannabis during pregnancy.” But, have a couple times working with OBs where they had like hyperemesis gravidarum and that was the only thing that worked. My personal feeling is, that’s fine and I don’t think there’s any big issue with taking cannabinoids during pregnancy.

**Gallily, Ruth:**
**Episode 6, 0:15:20**  I am optimistic that cannabidiol will really help a lot. Apparently, also, in human being, especially against inflammation, as I said, in many old people, maybe all of them have inflammatory reaction in their body.

**Episode 7, 0:21:45**  In diabetes type I, there is a period in human being, that the sugar in the blood increase. And this is a sign that something is wrong there. I believe that when you will give cannabidiol, during this period of time, you will save the people. They either will produce insulin, and they wouldn’t have to take all their lives the medication. And we began only in one hospital with six or eight patients, but they were crying when we had to stop. Because we didn’t have money to give them pure cannabidiol.

**Expert Interview, 0:04:47**  Giving them the rheumatoid arthritis is caused by this injection of collagen, and half of the animal was treated with Cannabidiol, and half was untreated and there was a fantastic effect. The distraction of the bone was disappeared and many of the inflammatory reaction disappeared. The animal did not feel pain, the joints were not swollen, they could run and not hardly walk. This was our first
demonstration in that rheumatoid arthritis, the CBD Cannabidiol helps. And I really believe that the human being, it will be the same.

**Gerdeman, Gregory (Ph.D.):**

*Episode 1, 0:23:18* We don’t really, and maybe we’ll never know the ancestral condition of the cannabis plant, but the cannabis plant is absolutely clearly evolved under the influence of humankind. It evolved out of those steps of Central Asia and migrated around the globe because it was cherished by human beings. It is relatively new. The use of cannabis as medicine is quite old, but as a modern science, it’s really lagged behind.

*Episode 1, 0:30:05* How is it that the endocannabinoid have such a diverse effect on synaptic transmission?

*Episode 1, 0:30:59* When I started getting into this field in the mid-’90s ... That’s how young it is, mid-90s, I’m going into the field and going to neuroscience meetings and saying, “But, have you looked into the endocannabinoid system, because cannabinoid receptors are in this brain area you’re looking at, they mediate plasticity. Maybe it would be something to look at with your particular study, like Tourette Syndrome.” The response I would get and others in my field would get was usually along the lines of, “Well, I don’t study addiction. I don’t study marijuana. I’m not interested in drug abuse, whatever.”

*Episode 1, 0:36:44* The unifying theme, it seems like, is the holistic theme, the health of the whole animal. The endocannabinoid system really is a very integrative system of homeostasis that seems to act on just about every physiological system we know, to promote the wellbeing of the whole organism.

*Episode 1, 0:53:43* Homeostasis is just the way physiology works. It refers to a living being’s ability to stay within a range of function that’s adaptive for life whether it’s keeping your heart rate at a steady rate,
it’s your body temperature, and the endocannabinoids, turns out, are a really important key player throughout the nervous and immune and endocrine systems. They help to regular hormone levels. They help to regulate neural systems working in sort of optimal ranges.

*Episode 1, 0:56:39* Partly we know that the endocannabinoid system and, therefore, the cannabinoid receptors that cannabis works on, play a role in the wiring up of neural systems properly, so just sort of on first principle, it makes perfect sense to think, “Well, now that we know that, isn’t it risky to put young patients on that regimen?” But it’s not uncharted territory. There have been long-term perspective studies of kids exposed even in utero, mothers using cannabis, looking to see it neurocognitive outcomes in youth, adolescence, no real haymaker findings there. In fact, the earlier study, a study that was done in Ottawa, Peter Freedscope did this study, with funding that had been targeted at finding out how damaging is it. The kids that have been exposed in utero had higher neurocognitive performances when they looked at them at an adolescent time point. They explained that with term or phrase called The earth-mother effect, because they thought that if there’s damage from the in utero exposure to cannabis, it was masked by the fact that the cannabis-using population were very nurturing. So, it was the earth-mother effect.

*Episode 2, 0:03:01* The endocannabinoid system really is a very integrative system of homeostasis that seems to act on just about every physiological system we know to promote the wellbeing of the whole organism.

*Episode 2, 0:04:20* The evolution of large complex brains in vertebrates including humans may have been enabled or facilitated in some way by the appearance in a pre-vertebrate ancestor of cannabinoid receptors like the ones we call CB1 and CB2 now.
Episode 4, 0:05:57 The endocannabinoids are an intrinsic system. Maybe every cell in the brain uses them to fine tune its own inputs and communicate with its neighbors as to how much signal they should be receiving. The immune system functions in some very analogous ways. A lot of things happen in cancer cells that aren’t normal: Their cell cycle is all going out of whack, they start to express genes that they don’t normally, and the CB2 receptor seems to be turned on in a lot of tumors. Now an endocannabinoid signal, or a plant cannabinoid signal, depending, when it acts on these receptors that are being expressed by cancer cells, it initiates a suicide program. The cell goes into a programmed cell death. It becomes a cell death signal in the tumor. How effective it will be in different states of actual cancer is complex. Cancer is not just one disease. People shouldn’t run blindly into it. But the amount of pre-clinical work, animal work, cell culture work with cancer, and patients’ stories, compelling patients’ survival stories, it just paints such a fascinating picture.

Episode 7, 0:52:34 The cannabis is the vanguard of a holistic botanical-medical approach resurgence, so to speak. I think it includes the notion of people being conscious of their own healthcare choices. I love being an educator and having people asking, “What does it mean,” for cannabis to be useful. I don’t know all the answers, but that’s the question that people should be asking. And viewing the endocannabinoid system as a system of homeostasis and well-being.

Expert Interview, 0:22:28 Those findings that do seem to be replicated by some groups, in which there may be some traction, is something like a decrease in IQ five to six points or something. Not every study has seen that, so why not? Maybe it’s because of the different types of cannabis product being involved. But let’s say you’ve got a pediatric patient who needs to take high dose cannabinoids. If it’s cannabidiol based, we don’t really have a basis to say that’s going to damage the brain. There’s no real solid evidence to say that at all. If it’s a highly THC based thing, maybe
with chronic use to get through that illness or to manage it, you could be seeing neurocognitive changes that manifest as some sort of deficit in IQ. A deficit that’s largely within the realm of error of IQ tests. The notion that that is more dangerous, more threatening to a parent than the disease itself, cancer, your life on the line, 100, 200 seizures a day, there’s no doubt that’s got serious brain developmental problems. The notion that the risk of long term cannabis use would eclipse that is just, it’s unthinkable to me. It’s really unthinkable.

**Expert Interview, 0:23:50** You see a lot of scientific literature that labels euphoria as a negative side effect. It’s part of the negative connotation of getting high, but that term refers to an elevation of mood. Someone who’s depressed for whatever different reasons, elevating, lifting up to a higher place your mood, is what you’re after.

**Ji, Sayer (Founder of greenmedinfo.com): Episode 1, 0:09:14** This uniquely sacred plant has actually receptors in our body that’ve been hard-wired over eons of time to access these compounds and utilize them to balance out our system, so it’s unique among all of the thousands of natural substances that cultures have used to heal themselves in that it’s actually hard-wired to be therapeutic in our bodies.

**Episode 1, 0:22:15** This plant actually represents one of the greatest threats to the medical industrial establishment, because it actually has hundreds of health benefits, each of which competes with a pharmaceutical that is generally producing millions, if not billions, of dollars annually, so when you have a plant that grows freely, as if a weed in your backyard, threatening a trillion dollar plus industry, you’re gonna see an irrational response, which is, presently, the vilification and even criminalization of its possession and use as a healing agent. Cannabis stretches so far back in time as a healing ally, so to speak, that its very therapeutic value is,
in a way, pre-wired into the human body. The reality that so many nat-
ural substances that a lot of the people that obviously follow our work
agreement info know about, are basically free and not patentable. They
can’t be controlled and, therefore, represent a great challenge to that
monopoly.

*Episode 1, 0:36:15* The concept of cannabis being a sacred plant isn’t woo
or magical thinking, the etymology of sacred actually means to make holy
and when you really look at the root origin of the world health, it also
comes from the root wholly, heal, and health, so we have this sort of trin-
ity of meanings that imply that this plant is an indispensable ingredient in
our wholeness, in our health on all levels, physical, mental, and even on
a spiritual level.

*Episode 1, 0:37:45* Because cannabis was driven underground as far as it
not being allowed to be used as a sort of FDA-approved drug, there was
a black market and that black market focused on increasing the levels of
the psychoactive components in which includes THC. So what that did is
effectively make it more likely to be used for recreational purposes and
sort of seconding the therapeutic value. The cannabinoids, in fact, canna-
bidiol, is actually an anti-psychoactive component, so it balances out the
effects of THC, and yet, the cannabinoids, including cannabidiol, are the
ones that are most therapeutic for over 250 different conditions that
have been researched so far, but the fact that various plants are capable
of activating this hard-wired system within our body, indicates that we
probably co-evolved with these compounds over long periods of time
and so it’s not an accident that cannabis just happens to activate these
receptors and have value in up to 250 or more different conditions,
according to the research. It just shows you that there’s an intelligent
design at play here and that it’s really a sacred plant for a reason. It’s
hard-wired into our very destiny and probably is one of the most ther-
apeutic things that any society’s ever discovered.
Episode 1, 0:59:40 I believe ancient cultures knew in their DNA that this plant was sacred because it has profound set of benefits at helping to alleviate human suffering. So far in our research agreement info, we’ve identified a 275 different diseases that it’s been studied for at least being a preventive, and possibly therapeutic, intervention. That’s really a massive body of scientific data to support the claim that it is truly a panacea-like substance. Many people in my space refer to the value of natural substances as being grounded in the fact that they’re natural, but it’s really a synonym for the fact that God produced this as part of creation so that we can heal ourselves. So when people think about cannabis as somehow some kind of like vile psychoactive weed that people are using to abuse themselves, they’re not getting the fact that it grows wild and freely and it was basically a gift from the Creator for us to be able to heal ourselves. So for me, I think it’s very consistent for people to have a religious belief where they feel that there’s intelligent design to nature that they should be able to use God’s gifts to basically alleviate suffering.

Episode 1, 1:18:37 The primary reason why this sacred plant is not a household remedy is because it was a threat to the advent of patented chemical medicines. It was in the ‘30s, actually, that you would see in pharmacies around this country, this plant as a primary intervention for a wide range of complaints.

Episode 2, 0:02:32 It’s astounding to me that a plant like cannabis that has an entire system within the human body to receive it; the endocannabinoid system.

Episode 2, 0:13:40 The primary reason why cannabis today isn’t in mainstream medicine is because in the pharmaceutical model in order to justify the investment of capital required to obtain an FDA drug approval, which is approximately $5 billion per drug you have to produce a return on investment. If you have people investing capital into drug development and clinical validation and they can’t get a return on investment,
you have a fiduciary responsibility to them it’s even a legal liability. You have to produce a profit. When you take a complex plant like cannabis which is really a miracle incarnate literally hundreds of different chemistries working in perfect orchestration. You say, “Oh there is a magic bullet let’s out this cannabinoid and let’s alter it molecularly just a little bit so we can bet a patent,” it’s like a kiss of death literally. At that point in time you’ve taken an essentially beautiful complex whole herb, you’ve removed one of the therapeutic compounds and then turned it into a poison that’s now working like an endocrine disruptor, has at least 70 adverse health effects. That’s what enables you to get FDA drug approval.

*Episode 2, 0:30:56*  I think an argument could be made that cannabis is an example of a plant that was so indispensable for our evolution as a species that it became something that our very bodies became entwined with on a chemical level.

*Episode 6, 0:06:51*  What’s so interesting is that you have this stereotype of those who use Cannabis to be like fried; that their brains are fried. They can’t remember anything. It turns out that some of the most compelling research on its benefits are on its neurogenic properties, which means it’s able to stimulate the regeneration of brain tissue.

*Expert Interview, 0:04:45*  One of the most compelling therapeutic values of this plant is its anticancer properties. At GreenMedInfo, we’ve indexed research on literally dozens of different types of cancer cells basically going through programmed cell death when exposed to cannabinoids. In addition, one of the primary reasons why cancer is fatal is its cell called a cancer stem cell which is at the root of the tumor; and when you use conventional treatments like chemoradiation, it technically enriches the stem cell population which is why often you see a shrinking of the tumor when you go through the oncology treatments and then it comes back even stronger. Cannabis is one of the few substances that we know of
that seems to target the stem cell populations and therefore really hit the root cause of cancer putting some cancers directly into remission.

**Expert Interview, 0:15:40** Of all the plants that I think that the public needs to know the truth about, cannabis is top on the list because there are people in prison right now that just tried to use it to heal themselves.

**Jill (Cannabis Patient):**

**Episode 4, 0:12:24** It was in my liver and my lymph nodes. They couldn’t even tell me how many tumors, it’s enumerable tumors. The diagnosis is neuroendocrine pancreatic cancer, which is a rare cancer. Only 5% of pancreatic cancers are neuroendocrine.

**Episode 4, 0:14:37** For one week after eating this candy with cannabis I felt great. I realized that I had pain every day because all of a sudden for a week I had no pain. It was amazing. I knew I needed to look for the right product for me.

**Episode 4, 0:37:58** I believe I took the tincture, it was no more than two months because I get scans every three months. I wasn’t doing anything different with my medicines. I got my scan report back and I had 20% shrinkage of my tumors from this tincture. Not even strong, very weak, 20% shrinkage. My cancer is known to be chemoresistant, drug resistant. There is no cure and I had 20% shrinkage.

**Episode 4, 0:45:29** The other thing you should know is I did switch to oils, and at the same time there was a tumor sticking out of my neck that you can see. Two weeks of taking the oils, this was gone.

**Episode 7, 0:47:02** Cannabis doesn’t cause damage. It causes happiness, it causes hunger. I’m gaining weight. Before I was on cannabis, I could not eat. The chemotherapy makes you not want to eat. That’s another issue, people are wasting away. They can go and get their appetite back, they can go on cannabis and their sores in their mouth go away. I had sores in
my mouth and it was horrible to eat. It hurt! As soon as I started using oral cannabis, and swishing it around, all my mouth sores disappeared. I tried all the medicines they have for it, nothing worked, until I tried the cannabis.

**Lyon, Amber (Cannabis Patient):**

*Episode 1, 0:12:41* As a journalist, we like to think that we’re really strong and we can put up this shield, but I wasn’t as strong as I thought I was and I was absorbing traumas of those I’d interviewed over the years. Slowly, over ten years, I’d absorbed so much pain that I started develop symptoms of post traumatic stress disorder and that was really horrific.

*Episode 1, 0:13:40* I was thinking about potentially trying prescription medications because the symptoms had gotten so bad, but as a journalist, I’d spent 10 years on the streets covering the nation’s drug epidemic and I started to notice in my career, that illegal street drugs were being replaced with legal prescription medications and I witnessed a woman shooting up a Xanax, which is one of the main treatments for PTSD, literally putting it in a bottle cap and shooting it up as you would heroine. So when it came time to my own healing, I wanted nothing to do with those medicines. I didn’t care. At that point I’d rather die. I didn’t want to put them in my body. That’s when I started researching plant medicines. A friend of mine, Joe Rogan, I’d been on his podcast and he told me how they were some of the most amazing compounds known to the brain. I started laughing at him and he looked at me and he said, “You’re the journalist. I can’t believe you don’t know about all the research and all the science that’s been done about all these plant medicines,” and I felt really embarrassed at that point, that I didn’t know about the medicinal benefits, so I went home and I started researching and I literally had to clean my jaw up off the keyboard. I said, “What? How come I haven’t had this information? How come I’ve been told the opposite, that these were harmful for me when they’re really helpful?”
Episode 1, 0:23:52 We have removed plants and that healing aspect of plants completely from the Western mindset and so now when you discuss this, people think, “Oh, you sound like a hippy or one of those new age freaks,” but it is true. Humans have co-evolved with plants since we’ve been here on this Earth. Something about prescription medications, especially prescription anti-depressants, is these medications are more of a band-aid on a bullet wound. They’re just symptom-relievers. They’re not really getting in and ever fixing the core root of what’s going on, and that’s the beauty of a lot of these plant medicines is these plant medicines are actually getting in deep into the psyche, deep into the body, and curing whatever is the core cause of that problem so that like a medicine should, you don’t need it in the future, and that’s a way, according to these native cultures who’ve used medicines for thousands of years, a medicine should operate.

Episode 5, 0:33:18 It’s absurd but what angers me more is when I hear patients talk about, either patients or parents talking about their children and how they want this so badly for their children, but they can’t. I mean, I don’t know. I’m a mother. There’s nothing I wouldn’t do to save my child and there’s nothing I wouldn’t do to save me to be here for my child. I don’t want to break the law and I shouldn’t be breaking the law to help myself. I did, for the most part, do everything that I needed to do to keep this as legal as possible.

Malanca, Corinne: Episode 1, 0:17:15 There are so much medical potential in this plant from an anti-inflammatory to an anti-cancer, sleep aide, I have seen patients in total reversal of their autoimmune condition, whether it’s fibromyalgia, lupus, Lyme Disease, autism, epilepsy, cancer. I’ve seen them be able to recover enough to walk their daughter down the aisle at a wedding, so I have seen the gamut.
Episode 1, 0:20:21  There’s so much misinformation about this plant. I was the most guilty of assuming that this plant is only recreational and only utilized by those wanting to get high and this couldn’t be further from the truth. I learned this through my path with my family member and have found, through my own study, that there is so much medical information behind this plant. It’s an anti-cancer, it’s an anti-inflammatory, I could go on. The list goes on and on and on, but connecting the plant to the recreational use only couldn’t be further from the truth. It’s very medical.

Episode 3, 0:05:30  Genetically speaking, hemp and cannabis are the same plant. Medically speaking, they have different applications. Hemp CBD is a great health and wellness product, anti-inflammatory, can be anti-seizure on some levels. I know people gravitate towards hemp because it’s legal in all 50 states, but there are many, many patients who would thrive with a tad of THC.

Episode 4, 0:29:49  We see great synergy in combining conventional treatment with cannabis as medicine. When we consult with patients who want to combine, they don’t want to choose one over the other, they’re a bit afraid to do so. We still see great synergy. Most patients can avoid the side effects of chemotherapy. They in turn avoid all the medications they need to take for those side effects of chemotherapy. We see patients get through their chemotherapy treatments quite easily and happily, and with good results. We don’t advise people to choose one over the other. We want them to stay in their comfort zone, but we do see a marked improvement when cannabis is combined with chemotherapy.

Episode 4, 1:04:28  We have heard, unfortunately, of families who have a young, young child suffering from cancer, late stage cancer, and the doctors tell these families there’s nothing more we can do. They send the families home and the child home on hospice care. And these families, many of them have decided to turn to cannabis treatment as one last effort, just like we did with my father. And unfortunately, there are many
stories of these children seeing success with cannabis, a turnaround, and next thing you know child protective services is coming in and taking their child and forcing them back into more rounds of chemo and radiation, even though they were just told that there’s nothing more that can be done.

*Episode 5, 0:20:27*  State laws here in the U.S. are extremely confusing, especially, not only between the states but state to federal law and it’s no wonder we get calls all day long wanting to get clarification on their state or a state that they should possibly move to.

*Episode 5, 0:20:55*  There’s even the extreme of CBD only for children with epilepsy only, so in that state, the state of Utah, that would negate an adult patient with epilepsy to be able to attain this medicine legally.

*Episode 5, 0:23:13*  Patients who don’t fall into the list of conditions within their state, even though the state is a legal state on some level for cannabis, they do fall into the medically illegal status if they don’t have that specific qualifying condition or within that list. Many patients that we speak to are in that category and they either are forced to move or they attain it illegal, which is unfortunate.

*Episode 5, 0:32:37*  In terms of state laws, legal, illegal, CBD or otherwise, once patients attain this medicine, if they’ve had to leave their own state to do so, once they’ve attained it legally, to get it home to their state is illegal. It is illegal to transport cannabis across any state lines so people do run a risk of either losing their medicine or facing charges of some sort, depending on their state.

*Episode 5, 0:34:04*  Transporting cannabis across state lines is illegal. You could have two cannabis legal states side by side, but still transporting cannabis across state lines is illegal. That being said, it’s happening every day with families who are trying to treat a loved one or hoping for one last chance for themselves.
Episode 6, 0:31:54  All of Cannabis medicine is not tested. It should be required. It should be a very rigorous level that these companies should be held to. We find that a lot of lab testing that comes with products, when you go to a dispensary and request the lab testing, the sheets that will be a report could be six months old. You need to make sure that those lab tests are current. You also need those lab tests to know exactly what you’re getting. If it says it’s a CBD tincture or a THC tincture, how much CBD? How much THC are we talking about?

Episode 6, 0:47:37  I have heard quite a bit about states wanting to limit the potency of products in general in the Cannabis industry. I have two perspectives on that. In terms of edibles, I don’t see a need to have 300-mg brownies or cupcakes or what have you, but that is separate from utilizing cannabis as a medicine.

Episode 6, 0:54:48  The hemp plants and the cannabis plants have different offerings medicinally. CBD is CBD across the board. In hemp CBD, you would get anti-inflammatory. You would get some anti-seizure effects. You would get quite a bit of health and wellness application out of CBD from hemp; but when you have CBD from cannabis, there are much more offerings in terms of medicine. There is the anti-inflammatory; the anti-cancer; the terpenes; the flavonoids; all the cannabinoids and sub-cannabinoids. Medicinally speaking, the cannabis plant has more to offer.

Episode 7, 0:06:27  Some of the exciting new science that is coming up is the genetics. The genetics, the DNA testing in the cannabis plant, in the seeds. I’m far from an expert in this area, but we hear that someday it will be possible, from the seed, to have the exact DNA and to know exactly what will be grown in that plant. Rather than growers will grow a certain plant, and it won’t be until the testing stage, before they’re gonna sell the product, that they know exactly what’s in that.
Episode 7, 0:54:28 I’m here to say that this plant is medicinal, there’s numerous medicinal properties. This mischaracterization of this plant has been a disservice to the people who need it.

Expert Interview, 0:03:48 In the simplest scenario, I’ve seen people’s outlook on life improve when they have terminal cancer. I’ve seen them sleep better. I’ve seen them be able to recover enough to walk their daughter down the aisle at a wedding. I’ve seen many people not have to be in a morphine coma when they’re transitioning and they’re able to interact with their loved ones until they cross over. I could go on and on, but those are the top parts that I come upon in my reflecting.

Expert Interview, 0:19:32 As a consumer, the lab testing is important. As a patient, it’s extremely important. There are pesticides that are used on the cannabis plant, just like they’re used on spinach and lettuce, that are approved by the USDA and the FDA, because when we buy vegetables and fruits we can just rinse that off with water and it’s considered harmless, but they have not been tested in terms of ingesting. With the cannabis plant some people are vaporizing their cannabis for a great pain relief from cancer bone pain or arthritis, many different types of pain, people will use a vapor system. When you ingest, breathe into your lungs these pesticides that have been approved by the USDA and the FDA, it has not been tested for safety into the lungs, ingesting of any way, ingesting. We have found that there are reports of some patients, there have been some deaths from inhaling these heated pesticides. Again, to recap, these pesticides are approved by the FDA and the USDA, but not for inhaling or ingesting. When you inhale, you heat up the cannabis plant and then you ingest it into your lungs. This can be lethal and needs to be regulated. In lab testing they do test for molds, fecal matter, pesticides and some will test for heavy metals, which is important in terms of hemp products, being that they are mostly imported. Yes, testing labs cover molds, mildews, fecal matter, microbials and so on.
Expert Interview, 0:32:19 We spend a lot of time working with governments, local state and foreign governments. We are asked to come in, thankfully so, to educate, so that lawmakers can have a better understanding about the medical side of cannabis treatments, so then in turn they can draft laws that are much more comprehensive.

**Malanca, John (Host):**

*Episode 2, 0:19:56* Meet Elena who suffers from severe nerve pain. As with many patients the drug she was prescribed to control her neuropathic pain were doing more harm than good. For many years she suffered thinking these toxic drugs were the only way of alleviate her pain until she discovered the sacred plant and found herself in an entirely different situation.

*Episode 3, 0:15:09* As Dr. Baruch explained, the cannabis program in Israel is much more advanced than the system here in the United States. In the U.S., the majority of states have voted to make medical cannabis legal for patients only with certain qualifying illnesses, but that means that The Sacred Plant is only legal on the state level. It’s not federally legal.

*Episode 4, 0:24:13* As you can see, there’s a lot of scientific research being done on the potential for cannabis to kill cancer cells. Unfortunately, most oncologists are aware of palliative effects of cannabis, meaning that they know the cannabis can mitigate side effects of chemo, but they are not aware of the research being done on its antitumoral effects. We’ve now shown you studies done on animals, but as we’ve explained, there have not been many clinical trials with humans.

*Episode 5, 0:09:04* When you support our mission, we’ll sponsor families in California who need medical cannabis through Myriam’s Hope so they can receive The Sacred Plant for free.
Episode 5, 0:24:25  Each state has regulations to what type of products they can sell. Some states sell raw buds of The Sacred Plant while others sell cannabis capsules, extracts and tinctures.

Episode 6, 0:08:16  In Israel, their federal Cannabis program extends into the nursing homes; their finding that the sacred plant helps geriatric patients with pain, loss of appetite, agitation and muscle spasticity.

Episode 6, 0:22:11  Dosing is one of the most complicated areas of cannabis medicine. Each individual patient will respond differently to the medicine because our endocannabinoid systems are different. It’s not uncommon for patients to be more educated about the cannabis formulations that work for their conditions than their doctors or the people dispensing their medicine.

Episode 6, 1:05:06  There’s some good news for Patricia on her lung PET scan. We will follow her closely as she continues taking cannabis oil to try to reduce the metastasis in her brain.

Episode 7, 0:22:27  You just heard compelling research for using cannabidiol, or CBD, in bone marrow transplants, type I diabetes, and rheumatoid arthritis. These scientist see so much potential in their findings, but as you heard from Professor Mechoulam, it is sadly not being followed up by clinical trials.

Marcu, Jahan (Ph.D.):
Episode 1, 0:00:07  If I was to describe the plant, the most apt description I’ve ever heard of it was that it’s a pharmacological treasure trove. We have barely scratched the surface of the plant.

Episode 1, 0:08:53  There have been recorded over 500 compounds to be found in this plant. We’ve only really investigated half a dozen of them, really. We don’t even understand how some of them work, yet they’re effective, they’re non-toxic. You know if it was discovered on a mountain top today or brought into a lab today, it would be coveted as a wonder drug.
Episode 4, 0:31:09 When we're looking a number of different cannabinoids, THC and CBD seem to work the most efficiently. But not all cancer cells responded the same. Some were very sensitive to cannabinoids, some weren’t. We did find that you could synergistically inhibit the proliferation of some brain cancer cells in Petri dishes. What that means for humans remains to be seen. Following that research, a group in Spain, Manuel Guzmán’s group, found that if you take these cancerous cells that are sort of immune to the antitumor effect of cannabinoids and you treat them with a common chemotherapy agent, it will then make those cells susceptible to cannabinoids and do cell death through apoptosis.

Expert Interview, Time? Following that research, a group in Spain, Manuel Guzman’s group, found that if you take these cancer cells that are sort of immune to the anti-tumor effect of cannabinoids and you treat them with a common chemotherapy agent, Temozolomide, it will then again make those cells susceptible to cannabinoid induced cell death through apoptosis.

Mechoulam, Raphael (Ph.D.):
Episode 3, 0:11:05 Basically, there are two compounds in cannabis: THC, which is the psycho-active, and there is a second one called, cannabidiol, which is closely related chemically but has no cannabis-type effect. Quite a lot of our physiology is based on this. Something in the body acts on a receptor when needed. Then the receptor then starts a procedure, and things change. We worked very hard on trying to identify a compound in the brain that binds to the receptor. We found in the brain anandamide, a compound that binds to the cannabinoid receptors. The THC mimics its activity. There are actually in the brain, in our body, probably about 200 compounds of the same type. The body actually makes many of them. Now I don’t believe that the body makes a compound because it has nothing else to do. It makes the compounds because it probably wants to use them.
Episode 4, 0:14:55  It seems to work in quite a lot of cancers, and people know that it works in animals. It is not only the THC, which causes the side effects, it’s also cannabidiol, also some of the other compounds. There is another compound that we discovered, cannabigerol, and this compound is also anticancer. How many clinical trials have there been with cannabis in cancer? What would you suggest? Zero. Not a single one.

Episode 6, 0:29:21  The Ministry of Health asked me exactly what he was saying. “How should we regulate cannabis?” Obviously, a person, a patient should get the same mixture every time; not get a lot of CBD the first time and a lot of THC the second time. He should be getting, as with any other drug, the same thing that helps him. At our request, the Ministry of Health has now decided to have 6 or 7 different types of cannabis well analyzed.

Episode 7, 0:18:54  There is a physician who is looking at bone marrow replacement. The body doesn’t like to have the bone marrow replaced, and as soon as the bone marrow is replaced, the body attacks the bone marrow, and the bone marrow, the new bone marrow, attacks the body. And the ultimate result is that a patient is sick. This is autoimmune reaction, namely, the body attacks itself. Autoimmune. So he started giving cannabidiol, high doses of cannabidiol, and yes, he found that, indeed, the number of sick patients went down by nearly 50%. Some of these symptoms, in bone marrow replacement, are very severe. If you go down 50%, that’s a lot!

Mirzabegian, Ray (Parent of Cannabis Patient):
Episode 3, 0:04:04  So my daughter, at the time when she has been on most medications, multiple, four medications, she’s had multiple seizures a week or a day sometimes. Ever since I’ve started her on this oil, she’s now almost medications-free.
Naama (Cannabis Patient):
Episode 1, 0:01:45  Our world will change. I think the world will change if people would be able to have it.

Episode 3, 0:21:21  Since I started the cannabis medicine, for example, my blood test is completely different. The nurse called me, and she told me, “Did you see the results? You have never had a blood test like this before.” Everything is so healthy and calm. It gives me a feeling that I am the person that I wanted always to be, and I could never be there. I am so focused. I am so on Earth. It’s so difficult to explain this, but that’s the feeling.

O’Leary Randall, Alice (“First Lady of Medical Marijuana”):
Episode 1, 1:17:42  Without question, Sanjay Gupta has had a tremendous impact on the medical cannabis issue. He said America has been terribly and systematically misled for 70 years. That even saying that to you now gives me goosebumps again. When he said that, I just about fell off my chair, because it’s absolutely right and it’s what we need to start hearing from federal officials.

Episode 7, 0:50:06  The American public understands it at this point, and it’s just the politicians in Washington who will not step up and solve the problem that they created. When I was young, I thought, “Five years, maybe ten, we’ll have this all taken care of.” That would have been 1985.

Pedersen, Mark:
Episode 5, 0:36:49  I’ve taught people all over the country how to make cannabis oil and how to make it the same way as I do. The production of other essential oils is virtually identical but just that one element; cannabis; seems to make it all something else, something terrible. It doesn’t make any sense. It’s absolutely insane.

Episode 5, 0:45:04  We’ve seen it time after, time after time, patients eradicating their cancers with cannabis but patients can’t get their can-
nabis in states where it’s illegal, states like Missouri, to consume it in the amounts that a patient would require would most certainly make them a felon. So, what does a patient do? Particularly what does a patient do if they don’t have the money to travel halfway across the country. There’s a very simple answer to that, they die.

*Episode 5, 0:51:01*  It’s hard for me to think that there are people out there that I could have helped and I can’t. I can’t because laws in this country are such that they look more towards recreational use and not towards what we really, desperately need in this country and that is hope and that’s what cannabis represents. It represents hope.

**Peluski, Kirsten:**
*Episode 1, 0:02:05*  It can be a preventative for all kinds of conditions, Alzheimer’s, arthritis, if you have cancer that runs in your family.

*Episode 1, 0:52:26*  I had noticed that times that I had the most pain and I would use cannabis to control that, I was able to get off of antibiotics and I was on antibiotics for almost seven years straight, so I started to study cannabis on my own and I came across the endogenous cannabinoide system and, to me, it made sense that all of the conditions that I had weren’t unrelated, as many of the physicians were treating it. That they were all stemming from the same problem, my body’s inability to communicate with itself.

*Episode 2, 0:15:49*  The smell of cannabis is from its terpenes and the taste from its flavonoids and when you are getting that fresh it affects how strongly the cannabis works in your body. It helps it bind more efficiently to your receptors.

**Peña, Diana (Family Member of Cannabis Patient):**
*Episode 1, 0:00:51*  This has been around for thousands of years and I think that a lot of people don’t realize that.
When people think of marijuana and cannabis, people that don’t know, they’re like, “Oh, I would never do that,” in the future, in the very near future, we can hopefully have studies and controlled studies so this is something that everyone needs to have access to. It’s really sad when you have parents that, ‘cause we talk to people everywhere, and you have parents that are in other states. That’s the most heartbreaking thing. I’m still like, “Why is this illegal?” I don’t understand. How can, especially with all of these stories, people say, “Well, anecdotal doesn’t count,” well then what do we have? Yes, it does.

Rosenfeld, Irv (Cannabis Patient):

*Episode 1, 1:26:10*  If I didn’t have my medicine, I would not be alive today. I’m sure of it. If I were alive, most likely I’d be on homebound and on disability, so I’d be a drain on society versus productive member of society. It’s definitely ironic that here the federal government’s been putting people in jail for the last 33 years, even before that, but yet they’ve given me this tin can of marijuana every 25 to 30 days. So, yeah, it’s an irony that I get to use it legally and am not a problem with society and other people it’s a problem for everybody else in the country.

Ruby, Eric (Parent of Cannabis Patient):

*Episode 2, 0:48:10*  When Ethan was injured he was given a variety of opioids and he was given many painkillers. My perception was he became a different person, he was moody without going into further detail we were very concerned that although the injury ended many of his pursuits in life, we were concerned that he was going to end his life. This is what the pharmaceutical industry and the doctors had to offer us. Luckily he was with one of his friends who had Crohn’s disease and in the process of an evening, he was able to realize that cannabis helped his central neuropathic pain.

*Episode 2, 051:25*  I don’t think there is a significant downside to making medicinal cannabis legal. I think the downside is personal autonomy and
a slap in their face to anybody who wants to tell his government, “Help me I have a problem you are supposed to help me. I am not supposed to be the victim”, and right now that’s what’s happening.

**Saad, Danielle (M.D.):**

*Episode 1, 0:28:40* One of the most common diagnoses that qualifies in Maine is for chronic pain. That is our most common diagnosis. The second most common is PTSD, about 17% of our patients, and then we have a whole rambet of rare and neurological conditions, of inflammatory conditions, like ulcerative colitis and Crohn’s Disease.

*Episode 2, 0:19:34* We see results that doctors don’t see usually. We have patients who’ve had chronic pain who have been in disability for 20 years suddenly getting off their medications, going back to work getting their lives back. That’s very common place for us, we see that every day all the time with a variety of diagnoses which usually physicians don’t expect any good results.

*Episode 5, 0:46:53* So, we’re not allowed to help patients obtain their cannabis in any way but we do provide them with a lot of information on what to get and what to look for. We can’t give it to them, we can’t tell them where to go, we can’t help them get it, but I think our responsibility as physicians to give them specific instructions about what to get and what would be most helpful for them so that they don’t have to go through a three year process of trial and error and waste a lot of money and potentially not get the benefits that they’re needing to and continue to suffer.

*Episode 6, 0:33:09* We opened a cannabis testing lab within our office. Now, patients have the ability to bring in their tinctures, or their oils, or their flowers, or whatever they’re able to get and have it tested at very low prices, as we can allow the lab to run for, and then, they know what it is. Then, they give us that information, and we can tell them, “Okay,
take three drops of those tincture twice a day,” or “Take 5 mL,” or “This tincture is useless. Don’t go to that person again.”

**Schwarz, Patricia:**
*Episode 2, 0:35:27*  Marijuana released from hell and then when I was released from hell then I could start thinking of things other than how I’m going to handle my pain today.

*Episode 7, 0:51:50*  I guess the way I chose to fight back was to, really since I’m trained in the sciences, was to keep reading on the science and get more interested. And tell people how interesting the science really is. Because it's not just politically or socially significant, it really is interesting, and this is part of how plants and animals evolved.

**Schwarz, Robert:**
*Episode 2, 0:36:14*  Even though I’m not an expert in this subject, what’s clear is that the government agencies have been obstructing the objective scientific study of this field and as a scientist I feel that’s something I should object to even if it’s outside my expertise. In fact it’s being outside my expertise maybe at an advantage in that it makes it clear that I have no vested professional interest in the subject. I’m just standing up for the hopper or respect for scientific truth and objectivity in scientific research.

**Shirley (Medical Cannabis Patient):**
*Episode 3, 0:16:30*  I am a patient of medical cannabis for 5 years. I’d been diagnosed 10 years ago with multiple sclerosis. I heard about cannabis treating MS by a friend.

*Episode 3, 0:17:17*  It was a life-changer for me. It helped me just to feel like a normal human being in daily basis, sleeping well, less spasm, which is a very big problem with MS. So it’s much, much better.
Sulak, Dustin (M.D.):

*Episode 1, 0:08:32* It’s really hard to believe that one medicine could possibly treat this many different conditions in different body systems, and even as a physician and scientist, I had trouble swallowing that pill, like is this a snake oil, is this really possible that one plant could do so much?

*Episode 1, 0:27:18* I’ve very curious about the anti-microbial and anti-infection properties of cannabis. We’re living in an era now of antibiotic resistance and an era of chronic infection-First of all, the osteopathic tradition has a history of looking for new solutions to prevalent problems in healthcare and really digging into the physiology and the anatomy of the body and realizing the most basic premise that healing comes from within, that we have this incredible inner pharmacy and how can we stimulate that inner pharmacy to have the healthcare solutions rather than just suppressing symptoms with drugs, which is kind of the current treatment model in medicine. So we had a background and understanding of the endocannabinoid system and recognize that this is an integral part of health and healing and then after residency, when I started my private practice in Maine in 2009, we were basically in the right place at the right time. That was right when a law had passed that expanded Maine’s medical cannabis program. At that time, suddenly there was only one other physician in the state that was willing to certify and now we had hundreds of patients at our door that were looking to use this medicine. We were just blown away by the things we were seeing.

*Episode 1, 0:28:00* Alzheimer’s, neurological conditions like MS, spasticity from spinal cord injuries or brain injuries. We’ve seen inflammatory conditions. Now, cannabis isn’t just one medicine. It’s not just like a one size fits all, you’re gonna use cannabis and you’re gonna get better. Within this plant, there’s so many different compounds that we’re just starting to learn more and more about. The effective dosing range is incredibly broad and safe, and the side effect profile is pretty mild, especially compared to a lot of the alternatives. cannabis is non-toxic at any dose, so
even if one of my patients, say a pediatric patient accidentally took 1,000 times the recommended dose, no brain damage, no organ damage, no toxicity. It can seem too good to be true, but this is really what we’ve been waiting for. This is a solution to our biggest challenges in healthcare right now. People are getting excited about it. I’m so glad that there’s so much interest in the industry to continue to innovate and put this medicine in the hands of people.

*Episode 1, 0:34:10* The endocannabinoid system is a real physiologic system that was discovered over 20 years ago. If you do a PubMed search for the number of peer-reviewed scientific articles that have been published that describe the system, there’s been an average of one article every other day for the last 20 years. Thousands of articles. This is a well-established understanding of both human and animal physiology.

*Episode 1, 0:37:04* An example is it’s comparable to the endorphin system. A lot of people now think that when they go running and they feel good afterwards, they get the runner’s high, that’s because their brain is making substances that are similar to opium or morphine that are called endorphins. That system was only discovered about 20 years before the endocannabinoid system, but a lot of us just accept that as normal. “Oh, I’m making endorphins now. That’s why I feel so good.” Well, it’s actually been proven more recently that a lot of these good feelings that come after things like exercise, sex, social interaction, those are actually endocannabinoid effects that are brains are making.

*Episode 1, 0:57:59* Cannabis, as a plant, has been interacting with humanity for thousands of years and we’ve really taken it out of its natural context. What prohibition did for so many decades, was drive growers to make cannabis plants that were very psychoactive, because that’s what would sell in the underground market. So now we actually have to start manipulating the genetics of the plant, not via GMO, but just by selective breeding so that we can restore the medical properties and decrease the psychoactivity when that’s not desired.
Episode 2, 0:03:42  Well it’s actually been proven more recently that a lot of these good feelings that come after things like; exercise, sex, social interaction those are actually endocannabinoid effects that our brains are making.

Episode 2, 0:10:23  It’s sometimes hard to believe how many gifts this plant has to offer us. We keep looking into it we keep finding more therapeutic compounds that are surprising to us, but quite effective.

Episode 2, 0:12:51  Any time you extract a single molecule from a plant you can increase the risks of side effects and to some extent empower or reduce the efficacy of the treatment.

Episode 5, 0:47:25  The reason we can’t help a patient acquire cannabis is because we have a DEA license and right now the DEA and the controlled substance act considers cannabis a schedule one substance, which means it has no medical value and it’s so dangerous you can’t even safely use it under the guidance of a doctor, even though there’s no way I could even kill any animal or patient with any enormous dose of cannabis. It’s totally non lethal and non toxic.

Episode 6, 0:25:34  Now, in medicine, we think of drugs as having something called a therapeutic window. If there was a dose that’s effective here and a dose that causes intolerable side effects here, you’ve got this space in between that you can play around with a dosing range. Pure THC has a narrow therapeutic window. Once you start adding in the other compounds that are found in the whole plant, that window broadens, and you have better efficacy at lower doses and less side effects at higher doses.

Episode 6, 0:26:55  Cannabis is non-toxic at any dose. Even if one of my patients, say, a pediatric patient accidentally took a thousand times the recommended dose. No brain damage. No organ damage. No toxicity. Maybe some mild to moderate side effects for a day or two, but maybe not. It’s really nice working with a medicine with that level of safety.
Episode 6, 0:28:20 There’s still challenges for patients in finding access to the right cannabis preparations. Now, a lot of adult patients, especially, can use even low-quality cannabis without the guidance of a physician like us that knows what they’re doing, and they’re still able to get some pretty decent results, believe it or not, with minimal side effects. When we’re treating sensitive cases like these pediatric seizure case patients or even adults with advanced cancers or severe neurological conditions, it’s important to, first of all, know it’s in the medicine, and to have consistency from batch to batch, and to be able to do methodical trials with the different types of cannabis to find out what’s working best for each individual patient.

Episode 7, 0:11:51 So, one of the discoveries that I made a couple of years ago came from a mom, who came back with her seizure child, and said, “this CBD is really working well to reduce seizures.” So we ran the tests and we found that there was no CBD in the bottle, there was also no THC in the bottle! And there was quite a small amount of THCA.

Expert Interview, 0:07:21 Tylenol has been used for decades to treat pain. We haven’t known the mechanism of action, of how Tylenol works to treat pain, up until the last few years. It’s actually an endocannabinoid mediated mechanism.

Tirza (Parent of Cannabis Patient):
Episode 1, 0:02:22 God said to begin with, he put all the medicinal plants on Earth to help us, so it was just a matter of finding the right one.

Episode 3, 0:28:00 They call it drug-resistant epilepsy, where the kids have to fail about three to five ... in all reality, it comes to six to ten to twelve medications before certain doctors even consider it. Only then they allow us to try cannabis. We all think that it should be cannabis-resistant epilepsy, to where if cannabis doesn’t work, which it will, then you start them with medications.
Episode 3, 0:31:34  It’s a very delicate game of finding out what works for the kid. We learned so much through the research and stuff that we do, the parents and all that. And we have a group. We share everything, so we hear from all directions. We just learned a lot on how to treat with cannabis, medical cannabis, and epilepsy.

Turley, Kyle (Cannabis Patient):
Episode 1, 0:01:50  If I would’ve had this as a medicine, known how to use it as a medicine the way I do today, when I first started playing the game of football, I could’ve, in my opinion, defeated everything that has interrupted and interfered with my career.

Episode 2, 0:41:21  My story is one that is solely involved with cannabis on the medicinal side to help treat the ailments that I received from playing the game of football. My wife can attribute my significant decline; cognitively, emotionally in my personality to directly after major concussions.

Episode 2, 0:42:00  Since making the commitment to cannabis 100% where I take zero synthetic medication whatsoever, it has been a night and day difference in living. I have a more control over my life and I’m more balanced and focused than I have ever been I think period.

Wark, Chris (Cannabis Patient):
Episode 1, 0:10:06  Our modern medical system, which they call evidence-based medicine, is really truly patent-based, profit-based medicine, because they’re only interested in drugs and therapies that can be patented that will generate high profits. So the industry turns a blind eye to anything that’s natural, any nutritional therapy, and to anything that’s non-toxic.

Episode 1, 0:19:38  Cannabis is a fascinating topic. I grew up taught that marijuana was an illegal drug, that it was a gateway drug, and it was de-
monized on TV ads and talks given at my school and stuff like that, but when I got to be in high school and even in college, I actually started researching on my own and I learned that cannabis is one of the most versatile plants on Earth, not only as a textile, but it has incredible nutritional value. And then in recent years, we’ve just seen all of these testimonials start to percolate up from people who’ve healed with cannabis. My thinking about the plant changed completely.

**Episode 4, 0:03:21**  
Our bodies create cancer, and our bodies can heal cancer. Most diseases, like cancer, are diseases of deficiency. Our diet and our lifestyle are deficient in so many vital nutrients from the earth. There are compounds in cannabis, for example, that are anticancer compounds, that prevent metastasis, that prevent cancer cells from even forming, that trigger cancer cells to die, which is called apoptosis.

**Episode 4, 0:05:06**  
A couple of the anticancer benefits of cannabis are: One, it’s antiproliferative, which means cannabinoids can stop cancer cells from spreading. It’s anti-angiogenic, which means it can block the formation of new blood vessels to a cancer tumor. And it is also a proapoptotic, which means it can trigger cancer cells to commit suicide, which is normal program cell death. Now I wouldn’t call it a cure-all, but I would say, “Hey, why don’t we incorporate that into your healing protocol?”

**Episode 4, 0:56:15**  
We need to remove the stigma surrounding cannabis. It’s not an evil drug. It’s a plant that comes from the earth. Yes, you could smoke it and get high, but that’s not what I care about. What I care about is helping people get well.

**Episode 7, 0:04:28**  
Plant medicine, nutrition, natural non-toxic therapies, and that which includes cannabis, are a huge threat to the pharmaceutical monopoly, right? Because you can grow cannabis in your backyard, you can grow fruits and vegetables in your backyard. And these products have enormous therapeutic value to the human body. And they have very little monetary value.
Expert Interview, 0:06:10  People are just doing it everyday, right, and sharing their healing stories. Then, people looking and trying to heal are finding these stories from others and taking and learning from them and incorporating those things into their own life. I think we’re approaching a tipping point in the way that the public looks at healthcare and the way that the public looks at nutrition and the way that the people looks into pharmaceutical and the medical industry. Things are going to change. I think they’ll change in my lifetime for sure.

Expert Interview, 0:13:45  Yes, there’s a lot at stake. There’s a lot at stake, and they know it. That’s why there’s a lot of activism against cannabis, all right? An activism against nutrition and natural therapies. There are bloggers and professional trolls on the internet who spend most of their time attacking people like me who have healed with nutrition and natural therapies to try to discredit me or make people not trust that when I tell them that fruits and vegetables are powerful.

Expert Interview, 0:18:51  That’s my message. That’s the most important message, I think, of the whole series. It’s that our choices determine our future. If we’ve been making choices that have led us into a place of disease into being unhealthy and sick, then our choices can also lead us out of that condition, out of that state into health.

Weisberg, Ma’ayan:
Episode 6, 0:13:31  Sometimes we set out to treat a certain condition, and we find out that medical Cannabis is treating different symptoms that we didn’t even think that it was capable of doing. We really believe in the treatment of medical Cannabis for geriatric patients.

Wenk, Gary:
Episode 6, 0:02:44  One of the biggest changes that wasn’t really appreciated until probably 15 years ago, was that as you get older, inflammation develops in the brain, and the principal properties of marijuana were
revealed over time as well. It turns out that marijuana is a very effective anti-inflammatory. We’ve been looking for drugs that are anti-inflammatories that get across the blood-brain barrier.

*Episode 6, 0:04:40*  Our wonderful surprise was that marijuana actually worked in an old brain; first time; first compound ever. That just was so exciting because it gave us some hope that something would actually help people slow the aging process when they’re already old.

**Yehuda, Baruch (M.D.):**

*Episode 2, 0:17:06*  Pain is a mechanism to show you that something is wrong and I think the pendulum has gone a bit too far to the other side and you over treat pain with drugs that can be abused and can cause death. For this as I said cannabis is a nice option much more safer, but still I think that people should be treated for pain. There is no reason to suffer chronic pain, but there is no reason to not suffer any pain and then die for an overdose.