

Q: I've been told CBD oil can be used to help relieve pain and anxiety. Is this true?

do not want to use drugs.

A: Yes. At Luna Beck MD & Associates, PA, we integrate internal medicine with a holistic approach. We've been selling CBD oil and CBD gummies since October 2018 as another

option for pain management. We found that it has tremendously improved pain and anxiety levels in our patients. CBD oil is extracted from the hemp plant rather than the marijuana plant. As a result, the CBD oil that we sell contains no tetrahydrocannabinol, or THC, the chemical that produces a natural, euphoric high. We would not sell a product that has THC. We don't want our patients to get high; we want to reduce their anxiety and pain. CBD oil produces a feeling of relaxation and reduces the sharpness or intensity of pain, making it more of a dull feeling. The CBD oil we use is produced by Cultivated Hemp Company, which is based in Wheat Ridge, Colorado. The company's combination of no-till based, living soil system practices results in products that are pesticide-free, non-GMO, and organically derived. That's vitally important to

it is important to choose a reputable and high-quality CBD manufacturer. You definitely have to take a buyer-beware approach before purchasing CBD oil, but we know Cultivated Hemp Company meets the very highest standards of excellence. We selected this company for its quality and price point. Some companies sell a 2,000-milligram bottle of CBD oil for up to \$300; we sell a 500-milligram bottle for \$40, a 1,000-milligram bottle for \$70, and a 2,000milligram bottle for \$130. Patients do not need a prescription to buy CBD oil, nor do need an appointment to come into our office and purchase the product. We've recommended CBD oil to patients with a multitude of different diseases such as rheumatoid arthritis, back pain, and fibromyalgia. To date, CBD oil has been mostly used to treat epilepsy, and several published research articles have been written about reduced adverse events and seizure severity in epileptic patients.

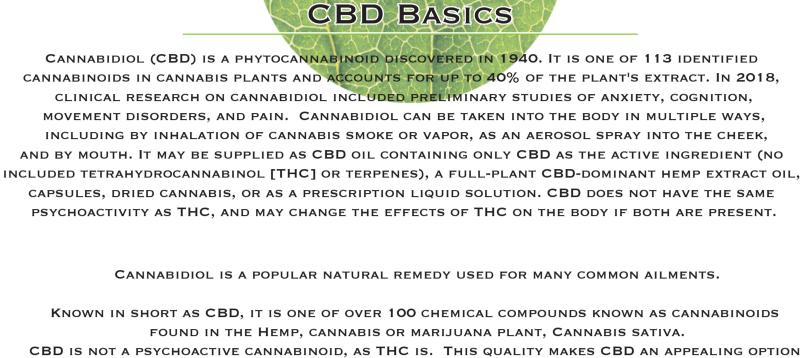
us because CBD products vary widely in quality. Because we want what's best for our patients,

CBD works because it activates receptors within the body's endocannabinoid system, a system that promotes homeostasis affecting everything from sleep, appetite, pain, and mood. The endocannabinoid system does not just respond to cannabinoids produced in the body, but also responds to external cannabinoids from CBD. The receptors that are activated control important functions like pain perception and inflammation.

Some of our pain patients have found that conventional medication provided little to no relief. In some cases, CBD oil has helped those patients—and without unwanted side effects. That's the key. Of course, it's important to say that CBD is an adjunct therapy that we use "in addition to" as opposed to "instead of." We would never tell patients to quit their prescription medications altogether and only use CBD oil. We're just trying to find as many solutions as possible for our patients, and if CBD can help reduce the amount of traditional pain medication they're taking without an increase in pain, that can be a great thing. Many of our patients

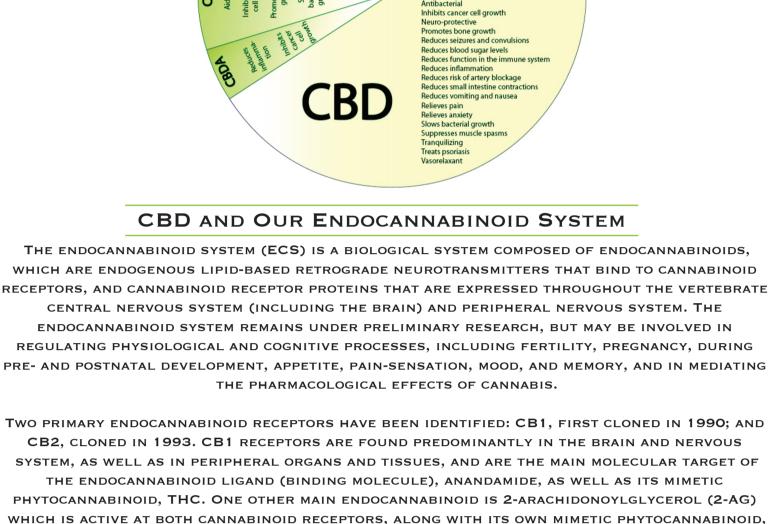
-Dr. Luna Beck

OH



CBD FROM THE CANNABIS PLANT, THEN DILUTING IT WITH A CARRIER OIL LIKE COCONUT OR HEMP SEED OIL. IT'S GAINING MOMENTUM IN THE HEALTH AND WELLNESS WORLD, WITH SOME SCIENTIFIC STUDIES CONFIRMING IT MAY EASE SYMPTOMS OF AILMENTS LIKE CHRONIC PAIN AND ANXIETY. Δ9-THCA **CBCA** Reduces Aids sleep Inhibits cancer cell growth nuscle

FOR THOSE WHO ARE LOOKING FOR RELIEF FROM PAIN AND OTHER SYMPTOMS WITHOUT THE MIND-ALTERING EFFECTS OF MARIJUANA OR CERTAIN PHARMACEUTICAL DRUGS. CBD OIL IS MADE BY EXTRACTING



processes, including mood, appetite, and immunity. The two main APPETITE AND DIGESTION types of cannabinoid receptors, CB1 and CB2, can be found in almost every tissue of the body in differing concentrations. **METABOLISM CHRONIC PAIN** Brain/Spinal Cord: CB1 INFLAMMATION Peripheral Nerves: CB2 OTHER IMMUNE SYSTEM RESPONSES

MOOD

Lungs

Spleen

GI Tract

Muscles

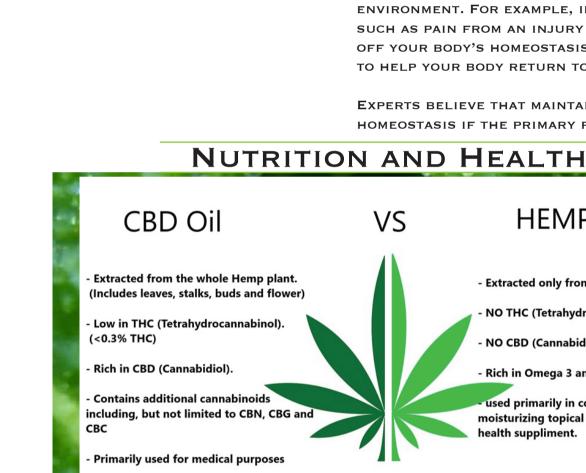
CB1 + CB2

Immune System

CB2

CB1 + CB2

CBD. 2-AG AND CBD ARE INVOLVED IN THE REGULATION OF APPETITE, IMMUNE SYSTEM FUNCTIONS AND PAIN MANAGEMENT.



The Endocannabinoid System

The endocannabinoid system regulates a number of physiological

Cardiovascular System

CB1 + CB2

CB1 + CB2

Pancreas

CB1 + CB2

Bones: CB2

CB₁

Reproductive System

Bone Marrow: CB1 + CB2

SUCH AS PAIN FROM AN INJURY OR A FEVER, THROWS OFF YOUR BODY'S HOMEOSTASIS, YOUR ECS KICKS IN TO HELP YOUR BODY RETURN TO ITS IDEAL OPERATION.

EXPERTS BELIEVE THAT MAINTAINING

RESEARCH HAS LINKED THE ECS

TO THE FOLLOWING PROCESSES:

LEARNING AND MEMORY

CARDIOVASCULAR SYSTEM FUNCTION

BONE REMODELING AND GROWTH

REPRODUCTIVE SYSTEM FUNCTION

THESE FUNCTIONS ALL CONTRIBUTE TO HOMEOSTASIS,

WHICH REFERS TO STABILITY OF YOUR INTERNAL ENVIRONMENT. FOR EXAMPLE, IF AN OUTSIDE FORCE,

HOMEOSTASIS IF THE PRIMARY ROLE OF THE ECS.

HEMP Oil

- Extracted only from Hemp seeds.

SKIN AND NERVE FUNCTION

MOTOR CONTROL

LIVER FUNCTION

STRESS

Solitary or Synergy The Difference Between CBD Isolate and Full Spectrum CBD

> Singular Relief

MUSCLE FORMATION

- NO THC (Tetrahydrocannabinol) - NO CBD (Cannabidiol) - Rich in Omega 3 and Omega 6 used primarily in cooking, as a moisturizing topical and as a daily health suppliment. FULL SPECTRUM VS. ISOLATES

A Collaborative Distinct CULTIVATED HEMP COMPANY FULL SPECTRUM OIL THE ENTOURAGE EFFECT STUDIES HAVE FOUND THAT FULL-SPECTRUM CBD OFFERS HIGHER LEVELS OF ANTI-INFLAMATORY RELIEF THAN ISOLATE CBD AT THE SAME DOSE. THE HIGHER EFFICIENCY OF FULL-SPECTRUM HEMP EXTRACT CAN BE EXPLAINED BY SYNERGISTIC INTERACTIONS BETWEEN CBD, TERPENES, AND OTHER CANNABINOIDS PRESENT IN A FULL-SPECTRUM EXTRACT'. ISOLATE CBD FULL SPECTRUM CBD NO RISIDUAL SOLVENTS MADE WITH TOXIC SOLVENTS IF EXTRACTED BY CO2 OR ETHANOL PENTANE OR HEXANE NATURAL WHOLE PLANT GOODNESS: ISOLATED FROM ALL OTHER CBD, TERPENES FLAVANOIDS CANNABIS COMPOUNDS

RICH IN CANNABINOIDS INCLUDING:

CBDA, CBG, CBGA, CBC, CBCA.

Pure CBD

BENEFICIAL 'ENTOURAGE EFFECT'

EXPERT OPINIONS: IF CONSUMING CBD VIA OIL

DROPPERS CAPSULES ETC., OPT

FOR FULL SPECTRUMTO BENEFIT

FROM THE 'ENTOURAGE EFFECT'

NO ADDITIONAL

BENEFICIAL CANNABINOIDS

ONLY CBD

EXPERT OPINIONS:

IF CONSUMING CBD USING A VAPE - OPT

FOR HIGH CRYSTAL PURITY OF 99%+

OUR EXTRACTION PROCESS
ETHANOL EXTRACTION INVOLVES INTRODUCING THE SOLVENT ETHANOL TO THE HEMP PLANT IN ORDER TO EXTRACT THE CANNABINOIDS. Unlike other extraction methods, ethanol extraction can produce cannabis oil with up to 99 percent purity, meaning a higher quality end product than CBD oil extracted through other techniques.
Proudly Grown With Granic Methodology Extracted in State of the art Laboratory
SOIL TO OIL
CULTIVATED HEMP COMPANY IS A COLORADO OWNED AND

GROWN HEMP FARM BASED HIGH IN THE SAN LUIS VALLEY.

WE ARE PASSIONATE ABOUT THE EVER INCREASING BENEFITS OF

CANNABIS AND ARE DOING OUR BEST TO HELP CULTIVATE HEALTH,

SELF AND COMMUNITY. WE ARE PROUD TO USE A COMBINATION

OF GROWING METHODS AND MEDIUMS TO PRODUCE THE HIGHEST

QUALITY ORGANIC BASED EXTRACTS, FLOWER AND FIBERS.

WE USE A COMBINATION OF NO TILL BASED, LIVING SOIL SYSTEM

PRACTICES IN THE CULTIVATION AND PROPAGATION OF ALL OF OUR

GENETICS AND EXTENDS TO LARGE SCALE ORGANIC OUTDOOR

FARMING METHODS. THIS ENSURES THE FINEST, PUREST QUALITY

COLORADO HOMEGROWN HEMP BASED PRODUCTS THAT

are always pesticide free, non cmo and

organically derived! THANK YOU FOR YOUR INTEREST!



