

CBD & DIABETES

Diabetes is a disease wherein the body has trouble regulating the level of sugar (glucose) in the bloodstream. In healthy individuals, the pancreas produces a hormone called insulin, which works to transport glucose molecules across cell membranes and into cells for energy production.

In diabetics, depending on whether they suffer from the Type 1 or Type 2 form of the disease, the body is either unable to produce insulin, or it's unable to use it in a way that's adequate to maintain glucose at a healthy level in the bloodstream. Irregular or unstable glucose levels can cause a huge array of serious, life-threatening conditions.

What's been even more concrete than research on CBD's potential role in insulin production, has been research on the compound's ability to help treat and prevent common medical conditions associated with diabetes.

One of the most prominent factors associated with the development of insulin resistance in Type 2 diabetes is chronic inflammation related to obesity. The excessive presence of fatty tissue in obese Type 2 diabetics drastically limits the efficiency of glucose metabolism, which in turn results in high levels of sugar building up in the bloodstream. The specific anti-inflammatory properties of CBD, however, have long been known to directly combat glucose metabolic disorders and improve overall metabolism.

Nerve damage is another condition commonly associated with diabetes. In many instances, diabetics will have limited sensation in their lower extremities, and in severe cases, amputations of the leg(s) are often necessary. This is due to a lack of sufficient blood flow, which eventually results in the breakdown of tissue and the increased risk for infection. CBD, in turn, is a federally patented neuroprotectant and has been shown to reduce infarcts (areas of dead tissue due to lack of blood flow) by up to 30%.



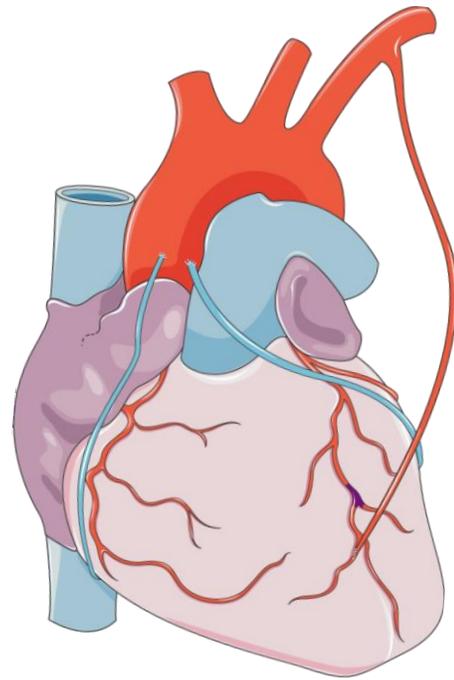
CBD & HEART DISEASE

Heart diseases can cause inflammation, CBD can relieve that.

New studies show that the anti-inflammatory and immune modulating abilities of CBD coupled with its antioxidant effects provide protection to the heart against tissue damage. This damage occurs when the condition leads to lack of blood and oxygen supply.

Additionally, CBD provides protection to the heart against cardiomyopathy. This is a condition that causes thickening and hardening as well as eventual limitation of blood flow. Studies have shown that CBD stops the production of endotoxin.

These are pro-inflammatory cytokines that cause progression of the heart condition. As such, by inhibiting their production, CBD helps in the therapeutic aid of the heart disease.



Studies have shown that CBD helps in relaxing the arterial walls. This lessens tension within the blood vessels. While relaxing the arterial walls, it protects arteries against inflammation. Using CBD has been proven effective as a way of reducing metabolic issues of increased glucose responses that are present in most heart disease sufferers. That's because it decreases the permeability of the wall.

Arterial plaque is usually a significant factor in the therapeutic aid of the heart disease. That's because once plaque builds up on the arterial walls, it hinders the heart from pumping blood properly. CBD has been proven effective in decreasing plaque adhesion on the arterial walls. This is very important since the heart disease progresses when plaque continues to build up on the arterial wall.

