

# Delta9-tetrahydrocannabinol beneficial in type 2 diabetes

September 1 2016

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(HealthDay)—For patients with non-insulin-treated type 2 diabetes,

$\Delta^9$ -tetrahydrocannabivarin (THCV) reduces fasting plasma glucose, and improves pancreatic  $\beta$ -cell function, adiponectin, and apolipoprotein A, according to a study published online Aug. 29 in *Diabetes Care*.

Khalid A. Jadoon, from the University of Nottingham in the United Kingdom, and colleagues conducted a randomized study involving 62 individuals with non-insulin-treated type 2 diabetes to examine the effects of cannabidiol (CBD) and THCV.

The researchers found that THCV correlated with a significant decrease in fasting [plasma glucose](#) compared with placebo, and with improved pancreatic  $\beta$ -cell function, adiponectin, and apolipoprotein A; plasma high-density lipoprotein was unaffected. CBD correlated with decreased resistin and increased glucose-dependent insulinotropic peptide compared with baseline (but not placebo). No significant impact was seen on end points for the combination treatments (CBD + THCV). Both CBD and THCV were well tolerated.

"THCV could represent a new therapeutic agent in glycemic control in subjects with type 2 diabetes," the authors write.

One author disclosed financial ties to GW Pharmaceuticals; GW Research Ltd. funded the study.

**More information:** [Full Text \(subscription or payment may be required\)](#)

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Citation: Delta9-tetrahydrocannabivarin beneficial in type 2 diabetes (2016, September 1) retrieved 26 April 2024 from

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