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## Healing of a chronic pressure injury in a patient treated with medical cannabis for pain and sleep improvement: A case report

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**Background:** A small body of evidence suggests medical cannabis may facilitate wound healing, but the exact mechanism of this effect is unclear.

**Purpose:** This case report describes a patient with a pressure injury (PI) who received cannabis oil treatment for pain management and sleep improvement.

**Methods:** A 37-year-old woman with multiminicore disease, scoliosis, short-chain acyl-CoA dehydrogenase deficiency, and epilepsy presented to the Neurology Centre of Toronto with chronic pain and sleep disturbance, including difficulty initiating and maintaining sleep. She also had a 5-year history of a PI between her right iliac crest and right rib cage that had progressively worsened. The patient received a medical cannabis oil protocol that used a combination of cannabidiol and tetrahydrocannabinol.

**Results:** Cannabis oil was effective in treating pain and sleep difficulties. Unexpectedly, during the first 2 weeks of treatment, the PI started to heal and was almost completely closed at the 2-month follow-up.

**Conclusion:** Although it is unknown if the observed healing of this refractory PI was indirectly or directly related to the cannabidiol and tetrahydrocannabinol treatment, the potential relationships among pain, sleep disturbance, cannabis treatment, and healing should be explored.

### Recent publications

1. Diaz PL, Katz TM, Langleben AC, Rabinovitch BS, Lewis EC. Healing of a chronic pressure injury in a patient treated with medical cannabis for pain and sleep improvement: A case report. *Wound Manag Prev.* 2021 Oct;67(10):42-47.
2. Medical Cannabis in Pediatric, Drug-Resistant Epilepsy: Overview & Summary of Current Research (<https://www.neurodiem.ca/news/medical-cannabis-in-pediatric-drug-resistant-epilepsy-overview-and-summary-zfWcEdYbaHtb95pYnccqg>)
3. Medical Cannabis Treatment for Pediatric, Drug-resistant Epilepsy: An Overview & Summary for Those New to the Conversation (<https://centreformedicinalcannabis.substack.com/p/medical-cannabis-treatment-for-pediatric>).

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