

BLESSING-RIEMAN Medical Marijuana in Chemotherapy Patients College of Nursing & Health Sciences

Brooke Job, Lacie Skees, Blair Weisinger NSG 404: Fundamentals of Evidence Based Practice, Fall 2021

Significance Statement

In chemotherapy patients, how does the use of medical marijuana compared to the standard treatment affect the negative side effects of chemotherapy?

- P: Chemotherapy patients
- I: Medical marijuana
- C: Standard Treatment
- O: Side effects of chemotherapy

Key Methodology

- A cross-sectional statewide anonymous survey to determine information sources and factors influencing recommendations for physicians who certify patients for medical marijuana. 6
- A quasi-experimental study to evaluate the effect of dosage-controlled cannabis capsules on CACS in advanced cancer patients. 2
- A randomized placebo-controlled, double-blind, multisite study used to evaluate risk for abuse of CBD. 1
- A validated patient survey using a concurrent mixedmethods study to evaluate medical marijuana patients' perceptions of therapeutic benefits for selfreported medical conditions.4
- A double-blind, randomized, placebo-controlled study of nabiximols oral mucosal spray as an adjunctive therapy in advanced cancer patients with chronic, uncontrolled pain. 3
- A prospective non-randomized, single-arm clinical trial to review the effects of medical cannabis on pain relief, pain disability and psychological aspects. 5

Key Findings

Implementation

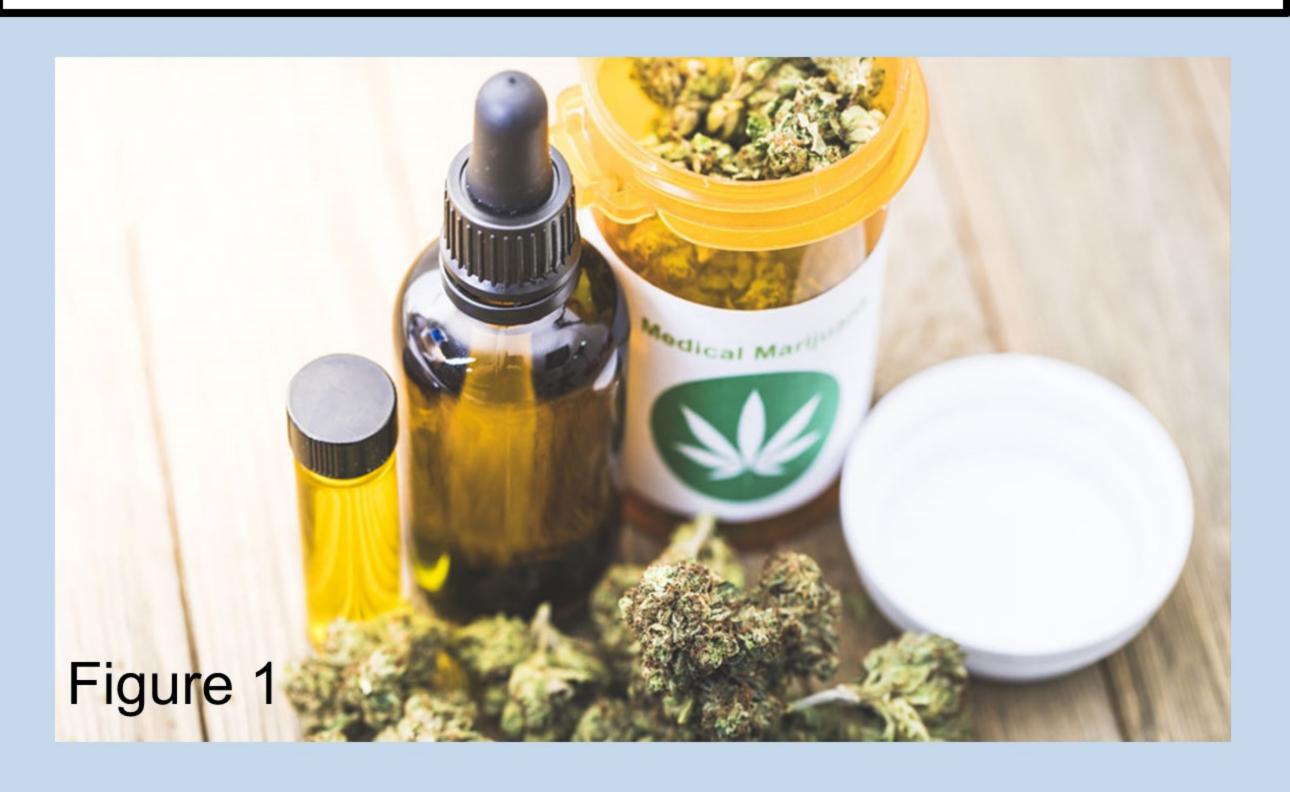
- 92% of physicians stated they often or always perform a patient physical exam before certifying a patient for medical marijuana. 6
- The top three desired topics for future training were marijuana drug interactions.6

Symptom Management

- No significant effects of CBD were detected on peak or time outcomes.
- 89% of patients reported great relief for their medical condition. 4
- Over 76% of patients reported a score of 8 or higher on a 10-point scale that their medical condition had improved, and over 68% reported a score of 8 or higher that medical cannabis had reduced their pain. 4
- Patients who completed the study had stable weights and reported less appetite loss and fatigue after the cannabis treatment. 2
- Average pain score from baseline to end of treatment in the nabiximols and placebo groups were 10.7% versus 4.5% (p=0.0854) respectively. 3
- Pain intensity, pain disability, and psychological aspects had a statistically significant reduction from baseline to 12 months follow-up. 5

Recommended Key Practices

- Education should be mandatory for the physicians who prescribe patients medical marijuana. 6
- Nurses should advocate for the use of medical marijuana to decrease the negative side effects of chemotherapy for cancer patients.²
- Encourage patients who receive medical marijuana therapy to schedule follow-up appointments to ensure effectiveness and assess for side effects. 5
- Encourage patients who experience chemotherapy related complications to consider using medical marijuana as an adjunctive treatment option. 4
- Determine if conventional therapy is effective and encourage use of medical marijuana therapy if it is not, to improve quality of life. 3
- Nurses need to be educated on the cues of marijuana dependency to prevent abuse in patients. 1



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Figure List

Figure 1. University of Miami. (March, 2019). Marijuana as medicine. Retrieved November, 2021 from Marijuana as medicine (miami.edu).