

Western University

Scholarship@Western

Inspiring Minds – A Digital Collection of
Western's Graduate Research, Scholarship and
Creative Activity

Inspiring Minds

November 2022

Opioid Therapy vs Multimodal Analgesia in Head and Neck Cancer: A Randomized Clinical Trial

Sondos Zayed

Western University, szayed@uwo.ca

Pencilla Lang

Western University

Lucas C. Mendez

Western University

Nancy Read

Western University

Jinka Sathya

Western University

See next page for additional authors

Follow this and additional works at: <https://ir.lib.uwo.ca/inspiringminds>

Citation of this paper:

Zayed, Sondos; Lang, Pencilla; Mendez, Lucas C.; Read, Nancy; Sathya, Jinka; Moulin, Dwight; Warner, Andrew; and Palma, David A., "Opioid Therapy vs Multimodal Analgesia in Head and Neck Cancer: A Randomized Clinical Trial" (2022). *Inspiring Minds – A Digital Collection of Western's Graduate Research, Scholarship and Creative Activity*. 376.

<https://ir.lib.uwo.ca/inspiringminds/376>

Authors

Sondos Zayed, Pencilla Lang, Lucas C. Mendez, Nancy Read, Jinka Sathya, Dwight Moulin, Andrew Warner, and David A. Palma

Patients with head and neck cancer receiving curative radiation treatment often suffer from radiation-induced mucositis (RIM) pain which is a sun-burn like reaction on the inside of the mouth and throat. This often leads to less treatment compliance. There is no clear standard for how RIM pain should be treated and patients are commonly prescribed high dose opioids. This is associated with side effects and increased risk for chronic opioid use. We therefore designed a randomized trial comparing multimodal analgesia (MMA) using pain medications with different mechanisms of action, to opioid analgesia alone to determine the optimal analgesic regimen for these patients. The primary endpoint is the average pain score during the last week of radiation treatment. This study will assess the efficacy and safety of MMA and its impact on opioid requirements, clinical outcomes, and quality of life, as a potential new standard treatment for RIM pain.