

Dr. Giuseppe Valente

"A multimodal topical analgesic for pain management and reducing opioids after total knee replacement: a randomized controlled trial"

This study investigates a medication to manage pain after knee replacement surgery, focusing on reducing the need for opioid medications. Osteoarthritis (OA), a common joint disease, often leads to knee surgery when pain becomes severe or movement is impaired. While knee replacement surgery is usually effective, some patients continue to experience pain after the procedure. To manage this, doctors often prescribe opioids, but these can lead to serious side effects, including addiction.

The study tests a topical pain cream called Multiprofen, which contains a combination of medicines known to help reduce pain. The goal is to see if using Multiprofen, along with regular pain medications, can reduce pain more effectively and reduce the need for opioids after surgery.

Patients in the study will be randomly assigned to receive either the Multiprofen cream or a placebo cream along with their regular pain medications for six weeks after surgery. They will record their pain levels every day and track their use of opioids. The main goal is to compare the pain relief and opioid use between the two groups.

Researchers also want to measure how satisfied patients are with their pain management and any side effects they experience. This study is blinded, meaning neither the patients nor the healthcare providers will know which treatment the patient is receiving, to ensure unbiased results. By comparing the outcomes, the researchers hope to find safer, effective alternatives to opioids for pain management after knee surgery.