

# Regional Anesthesia in Minimally Invasive Lumbar Spine Surgery

NCT05029726

---

Status	RECRUITING
Phase	Phase 4
Sponsor	John O'Toole
Enrollment	125 participants

## Key Eligibility Criteria

---

### Inclusion (3)

- Age 18-80
- Undergoing one of 3 procedure types: 1) 2 or more levels of MIS decompression (e.g., discectomy, foraminotomy, laminectomy); 2) 1-3 levels of MIS transforaminal lumbar interbody fusion (TLIF) (with or without additional levels of MIS decompression for no greater than 3 total operative levels); 3) 1-3 levels of anterior lumbar interbody fusion (ALIF) or MIS lateral lumbar interbody fusion (LLIF) accompanied by posterior percutaneous instrumentation at the same levels
- Willing and able to give consent

### Exclusion (8)

- Opioid tolerant at the time of the surgical procedure--defined as consuming greater than 30mg of morphine milligram equivalents (MME) daily (<https://www.cdc.gov/drugoverdose/prescribing/guideline.html>)
- Presence of an indwelling pain device (e.g., intrathecal opioid pump, spinal cord stimulator, dorsal root ganglion stimulator)
- Known allergy to bupivacaine, clonidine or similar local anesthetics
- Indication for surgery other than degenerative disease (e.g., neoplasm, infection, trauma)
- Chronic kidney disease (stage 3 or greater), or hepatic failure
- ... and 3 more (see full listing online)

## Locations (1 total)

---

Rush University Medical Center, Chicago, Illinois, United States