Relationship between Preoperative Opioid Use and Postoperative Pain in Patients Undergoing Minimally-Invasive Stand-Alone Lateral Lumbar Interbody Fusion

Retrospective Study

Study Population

Patients undergoing stand-alone lateral lumbar interbody fusion (LLIF) with and without preoperative opioid use

Study Cohort

107 patients with symptomatic refractory back pain secondary to lumbar spine pathology

Outcomes

 Patients with preoperative opioid use may suffer increased postoperative lumbar pain, disability, and subjective pain by report compared to patients without similar exposure

Gender

40.2% male
59.8% female

53% preoperative opioid use with mean 41.8 ± 37.9 oral morphine equivalents

Age

56.3 ± 12.2 years

Greater postoperative disability

Oswestry Disability Index

Greater postoperative pain

Lesser improvement in pain

Visual Analogue Scale

Poorer quality of life

SF-36 PCS


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