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Pain Management, Prolonged Opioid Use and New Chronic Pain Among Adolescents Undergoing Surgery: A Mixed Methods Analysis

Abstract

This prospective observational mixed methods study will follow 300 adolescents age 11-21 over six months after undergoing surgery. Despite data suggesting that adolescents are at increased risk of developing new chronic pain and prolonged opioid use, little is known about risk factors for adverse perioperative outcomes. The study will measure new chronic pain incidence and risk factors for delayed recovery after select major surgeries (i.e. spinal fusion, exploratory laparotomy, nuss bar insertion) in an environment where opioids are prescribed judiciously and assess interactions between prolonged opioid use, individual characteristics and chronic pain in the adolescent context.