

Use of injectable local anesthetics up for hip fracture

March 28 2022



The use of injectable local anesthetics on the day of presentation

increased among hip fracture patients from 2009 to 2019, according to a study to be presented at the Annual Regional Anesthesiology and Acute Pain Medicine Meeting, being held from March 31 to April 2 in Las Vegas.

Alexander Stone, M.D., from the Hospital for Special Surgery in New York City, and colleagues assessed trends in injected local anesthetic utilization for hip fracture patients on the day of hospital presentation using data from the Premier Healthcare database (2009 to 2019). The analysis included 864,416 patients with an emergency admission (1,012 hospitals) due to a hip fracture.

The researchers found that the rate of use on the day of admission increased for lidocaine (from 28.4 percent in 2009 to 41.0 percent in 2019), as well as for bupivacaine (13.3 to 18.6 percent), ropivacaine (2.0 to 8.4 percent), and mepivacaine (0.05 to 0.14 percent). There was substantial between-hospital variation observed in local anesthetic use in these patients (interquartile range for any local [anesthetic](#) use, 19.8 to 60.2 percent). Only 0.11 percent of [patients](#) underwent surgery on the day of [hospital](#) presentation.

"This pattern could represent increased adoption of opioid-sparing techniques," the authors write. "The use of longer acting local anesthetics, specifically ropivacaine and bupivacaine, suggests that there is likely a trend towards sustained pain treatment being initiated early in admissions."

More information: [Abstract](#)
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Citation: Use of injectable local anesthetics up for hip fracture (2022, March 28) retrieved 11 May 2024 from <https://medicalxpress.com/news/2022-03-local-anesthetics-hip-fracture.html>

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