

Epidural during/Post spine surgery gives better outcomes

17 July 2013

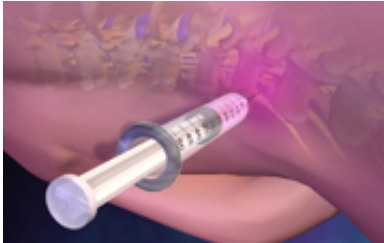


Image courtesy of Blausen Medical

In patients undergoing reconstructive spine surgery, combined epidural and general anesthesia results in better pain control and other outcomes compared with general anesthesia plus narcotics, according to a study published in the July 1 issue of *Spine*.

(HealthDay)—In patients undergoing reconstructive spine surgery, combined epidural and general anesthesia results in better pain control and other outcomes compared with general anesthesia plus narcotics, according to a study published in the July 1 issue of *Spine*.

Anna A. Ezhevskaya, M.D., from the Nizhny Novgorod Research Institute of Traumatology and Orthopedics in Russia, and colleagues randomly assigned 85 patients undergoing reconstructive [spine surgery](#) to epidural anesthesia and endotracheal anesthesia with sevoflurane during surgery and continuous epidural analgesia with ropivacaine, fentanyl, and epinephrine after surgery, or general anesthesia with sevoflurane and fentanyl and systemically administered opioids after surgery.

The researchers found that the group receiving epidural anesthesia experienced significantly less pain and nausea, earlier mobility, higher satisfaction, and significantly less intraoperative and postoperative blood loss. The epidural group also had lower levels of glucose, cortisol, and [interleukins](#)-1?, -6, and -10 postoperatively.

"Combined epidural/general anesthesia and postoperative epidural analgesia produced better pain control, less bleeding, and a lower surgical [stress response](#) than general anesthesia with postoperative systemically administered narcotic analgesia," Ezhevskaya and colleagues conclude.

More information: [Abstract](#)
[Full Text \(subscription or payment may be required\)](#)

[Health News](#) Copyright © 2013 [HealthDay](#). All rights reserved.

APA citation: Epidural during/Post spine surgery gives better outcomes (2013, July 17) retrieved 22 January 2022 from <https://medicalxpress.com/news/2013-07-epidural-duringpost-spine-surgery-outcomes.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.