

# Pre-op back pain, pain sensitivity predict outcomes

January 26 2015

---



(HealthDay)—Preoperative back pain and individual pain sensitivity can predict postoperative pain following lumbar surgery, according to a study published in the December issue of *Pain Medicine*.

Ho-Joong Kim, M.D., from the Seoul National University College of Medicine in South Korea, and colleagues evaluated patients who underwent decompression surgery alone (62 patients) or decompression with fusion surgery (37 patients) for [lumbar spinal stenosis](#). The Pain Sensitivity Questionnaire (PSQ) and visual analog pain scale (VAS) for back pain and leg pain were administered preoperatively, as well as immediately following surgery (H0) and at 4, 8, 18, 30, 48, and 72 hours post-surgery (H4, H8, H18, H30, H48, and H72).

The researchers found that, postoperatively, both groups showed decreased back pain and [leg pain](#). Preoperative VAS for back pain was significantly correlated with postoperative VAS for back pain at H0, H4, H8, and H18 in the fusion group, while PSQ minor/total PSQ showed a significant correlation with postoperative back pain at H48 and H72. In the decompression group, only total PSQ and PSQ minor were significantly correlated with postoperative back pain at H18 and H30. Both preoperative back pain and PSQ minor were predictive of immediate postoperative back pain (from H0 to H18) in the fusion group and delayed postoperative back pain (H18, H30) in the decompression group.

"The study highlights that each preoperative back pain and individual [pain sensitivity](#) could predict the different aspects of [postoperative pain](#) after lumbar surgery," the authors write.

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

Copyright © 2015 [HealthDay](#). All rights reserved.

Citation: Pre-op back pain, pain sensitivity predict outcomes (2015, January 26) retrieved 15 July 2024 from <https://medicalxpress.com/news/2015-01-pre-op-pain-sensitivity-outcomes.html>

<p>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.</p>
--