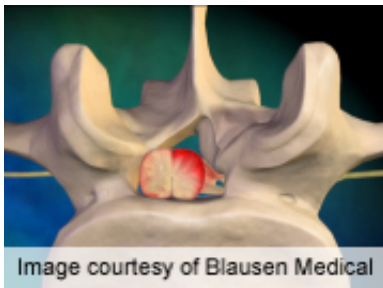


EP studies helpful in lumbar spinal stenosis prognosis

28 December 2012



Electrophysiological abnormalities have been identified that are of some prognostic value in determining deteriorating clinical status over the long term for patients with mild-to-moderate lumbar spinal stenosis, according to research published in the December issue of the *European Spine Journal*.

(HealthDay)—Electrophysiological abnormalities have been identified that are of some prognostic value in determining deteriorating clinical status over the long term for patients with mild-to-moderate lumbar spinal stenosis (LSS), according to research published in the December issue of the *European Spine Journal*.

Blanka Micankova Adamova, Ph.D., of University Brno in the Czech Republic, and colleagues followed a group of 56 patients with clinically symptomatic mild-to-moderate LSS for seven years to identify predictors of clinical outcome that might one day assist in therapeutic selection.

The researchers identified electrophysiological parameters that were significantly associated with unsatisfactory [clinical outcomes](#) in this patient population. Specifically, patients with electromyography (EMG) signs of pluriradicular involvement were 3.72-fold more likely to have an unsatisfactory outcome (68.2 versus 32.3 percent). Additionally, those with an averaged soleus H-reflex amplitude of 2.8 mV or less were 2.87-fold more likely to have an unsatisfactory outcome

(50.0 versus 14.7 percent).

"Satisfactory outcome (unchanged or better clinical status) appeared in 61 percent of patients with mild-to-moderate LSS after seven-year follow-up," the authors write. "As electrophysiological parameters showed some [prognostic value](#) in patients for LSS, especially those of pluriradicular involvement and the parameters of soleus H-reflex, we recommend the use of needle EMG and conduction studies as a standard examination in patients with LSS."

More information: [Abstract](#)
[Full Text](#)

Copyright © 2012 [HealthDay](#). All rights reserved.

APA citation: EP studies helpful in lumbar spinal stenosis prognosis (2012, December 28) retrieved 5 May 2021 from <https://medicalxpress.com/news/2012-12-ep-lumbar-spinal-stenosis-prognosis.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.