

Nerve root sedimentation sign for spinal stenosis assessed

December 8 2013



(HealthDay)—The nerve root sedimentation sign (SedSign), seen on magnetic resonance images, can differentiate lumbar spinal stenosis (LSS) from asymptomatic controls, according to a study published in the Nov. 15 issue of *Spine*.

Christy C. Tomkins-Lane, Ph.D., from Mount Royal University in Calgary, Canada, and colleagues examined the sensitivity and specificity of the SedSign in a retrospective study involving three blinded raters who independently reviewed [magnetic resonance images](#) from 67 subjects with clinically diagnosed LSS confirmed on imaging by a spine specialist; 31 people with low back pain (LBP) but no LSS; four people with severe vascular claudication; and 46 asymptomatic participants.

The researchers found that inter-rater reliability ranged from 0.62 to 0.69 and intrarater reliability for the sign ranged from $\kappa = 0.87$ to 0.97. Sensitivity and specificity ranged from 42 to 66 percent and 49 to 78 percent, respectively. Inclusion of images with only a smallest cross-sectional area of the dural sac

Citation: Nerve root sedimentation sign for spinal stenosis assessed (2013, December 8) retrieved 7 May 2024 from <https://medicalxpress.com/news/2013-12-nerve-root-sedimentation-spinal-stenosis.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.