

## Full endoscopic decompression of lumbar stenosis

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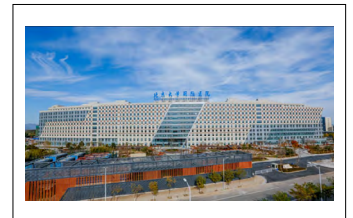


### Abstract

To investigate the effect of full endoscopic decompression surgery for single level lumbar stenosis, a multicenter retrospective cohort study was done in China. A total of 11,800 patients who underwent lumbar endoscopic unilateral laminotomy for bilateral decompression (LE-ULBD), unilateral biportal endoscope surgery (UBE), posterior endoscopic fenestration technique (Endo-LOVE) were retrospectively examined in 36 collaborative hospitals. Single level decompression was selected clinically and confirmed radiologically. Clinical outcomes were assessed with the Japanese Orthopaedic Association Back Pain Evaluation Questionnaire (JOABPEQ), visual analogue scale (VAS) for back and lower extremities, macnab criteria (mean follow-up period, 21.4 months [range, 16-58 months]). The follow-up rate was 67.8%. All domains of the JOABPEQ and VAS significantly improved during the follow-up. The Macnab outcome classification was "excellent" or "good" in 81.4% of the patients. The reoperation rate was 8.2%, a significant risk factor of reoperation for single LSS was decompression alone without intervertebral fusion (Pearson coefficient,  $p=0.73$ ). There are no significant differences among variety of full endoscope surgery ( $P\geq 0.05$ ).

### Biography

Chuanchao Du has completed his MD at the age of 27 years from Shandong University, and completed PhD at the age of 35 from Peking University, China. He is the head of minimal invasive spine surgery at Henan People's 3rd Hospital, China. He has over 10 publications that have been cited over a couple of times. He has been serving as an editorial board member of several reputed journals..



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