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Observational Study

3 A potential contribution of pedicle screw design to loosening rate in patients with degenerative diseases of the lumbar spine-an observational study

Bokov A *et al.* Pedicle screw design contribution to loosening

Andrey Bokov, Svetlana Pavlova, Anatoliy Bulkin, Alexandr Aleynik, Sergey Mlyavykh

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Results: The rate of screw loosening was in positive correlation with the number fused levels and decreasing bone radiodensity. Fusion with a **greater load-bearing surface cage was associated with the decrease in rate of pedicle screws loosening.**

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may affect the rate of pedicle screws loosening, unique contri-bution, and their interference in patients with degenerative dis-eases of the lumbar spine. Patients and Methods This study is a retrospective evaluation of 250 patients with degenerative diseases of the lumbar spine and evident instability of spinal segments including 80 males and 170

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Methods: A total of 250 patients with a low-grade spondylolisthesis and lumbar instability associated with degenerative diseases were enrolled.

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Pedicle Screws Loosening in Patients With Degenerative Diseases of the Lumbar Spine: Potential Risk Factors and Relative Contribution Andrey Bokov, PhD1, Anatoliy Bulkin1, Alexander Alevnik, PhD1, Marin