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Cortical bone trajectory screw fixation versus traditional ...<https://pubmed.ncbi.nlm.nih.gov/29125430>


OBJECTIVE The **cortical bone trajectory (CBT)** screw technique is a new nontraditional pedicle screw (PS) insertion method. However, the biomechanical behavior of multilevel CBT screw/rod **fixation** remains unclear, and surgical outcomes in patients after 2-level posterior lumbar interbody fusion (PLIF) using CBT screw **fixation** have not been reported.

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Feb 01, 2018 · Lumbar spine X-ray revealed L5/S1 inter-body cage protrusion, and lumbar spine MRI demonstrated that the cage was directly compressing the dura sac . We planned performing **cortical bone trajectory screw fixation** in the L5 and S1 vertebral bodies under C-arm guidance and re-implanted the previous cage.

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Apr 01, 2016 · Introduction. Posterior lumbar screw-rod **fixation** and fusion is a well-accepted treatment for patients in whom conservative treatment has failed to adequately treat **degenerative lumbosacral disease** because of segmental instability.1, 2, 3 Minimally invasive surgery (MIS) techniques were developed to mitigate approach-related morbidity by decreasing tissue trauma during exposure, but ...

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Oct 23, 2017 · Spinal fusion with bilateral traditional pedicle screw (TPS) **fixation** has been described for various surgical indications, such as **spinal degenerative disc disease**, **spinal canal stenosis**, spondylolisthesis, **spinal trauma**, **spinal tumor** and deformity (1-5). However, TPS **fixation** has some drawbacks, including significant muscle dissection required for the exposure of anatomical bony ...

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[Systematic review of cortical bone trajectory versus ...](#)

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Abstract: Fusion of the lumbosacral spine is a common surgical procedure to address a range of **spinal** pathologies. **Fixation in** lumbar fusion has traditionally been performed using pedicle screw (PS) augmentation. However, an alternative method of screw insertion via **cortical bone trajectory** (CBT) has been advocated as a less invasive approach which improves initial **fixation** and reduces ...