

Cortical bone trajectory screws fixation in lumbar ...

https://www.sciencedirect.com/science/article/pii/S0967586817308809

Feb 01, 2018 · From October 2015 to March 2016, we collected six cases underwent **cortical bone trajectory screws fixation** with minimal invasive inter-body cage fusion for **lumbar** adjacent segment **disease**. Patients in the study all had improvement after surgery without recurrence or instruments failure during follow-up.

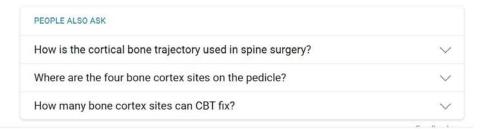
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Lumbar Spinal Fixation with Cortical Bone Trajectory ...

https://www.ncbi.nlm.nih.gov/pubmed/26746333

1. World Neurosurg. 2016 Apr;88:205-213. doi: 10.1016/j.wneu.2015.12.065. Epub 2015 Dec 30. Lumbar Spinal Fixation with Cortical Bone Trajectory Pedicle Screws in 79 Patients with Degenerative Disease: Perioperative Outcomes and Complications.

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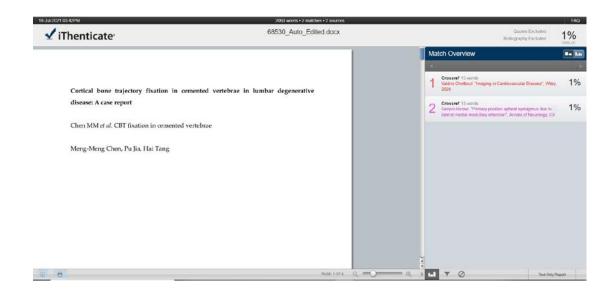
Cortical bone trajectory screw fixation versus traditional ...

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.

Cited by: 20 Author: Hironobu Sakaura, Toshitada Miwa, Tomoy... Search Tools

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Cortical bone trajectory screws fixation in lumbar ...

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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 reimplanted the previous cage.

Cited by: 4 Author: Chao Hsuan Chen, Hsieng Ming Huang, ...

Publish Year: 2018

Lumbar Spinal Fixation with Cortical Bone Trajectory ...

https://www.sciencedirect.com/science/article/pii/S1878875015017696

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 ...

Cited by: 32 Author: Laura A. Snyder, Eduardo Martinez-del-C...

Publish Year: 2016

The technique of cortical bone trajectory screw fixation ...

https://amj.amegroups.com/article/view/4234/4962 -

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 ...

Cited by: 1 Author: Zhen-Hua Feng, Xiao-Bin Li, Nai-Feng Tia...

Publish Year: 2018

Systematic review of cortical bone trajectory versus ...

https://jss.amegroups.com/article/view/3962/html -

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 ...