Expandable interbody cage

- Segmental Lordosis After Open Transforaminal Lumbar Interbody Fusion Using Expandable Oblique Versus Static Anterior Banana Cages
- Comparative Review of Lateral and Oblique Lumbar Interbody Fusion: Technique, Outcomes, and Complications
- Segmental and overall lumbar lordosis after single-level minimally invasive transforaminal lumbar interbody fusion: a systematic review and meta-analysis
- Reduction-First Technique of Unilateral Biportal Endoscopy Lumbar Interbody Fusion for Spondylolisthesis
- Minimally invasive transforaminal lumbar interbody fusion for scoliosis: surgical technique for focal treatment of the lumbosacral fractional curve
- A single straight expandable cage via a hybrid posterior-transforaminal approach with rhBMP-2 or allograft provides high fusion rates with low risk of subsidence
- Two-year follow-up of unilateral biportal endoscopy assisted extraforaminal lumbar interbody fusion: how to perform indirect decompression and fusion under endoscopy: a retrospective study in Japan
- A Muscle-Driven Spine Model for Predictive Simulations in the Design of Spinal Implants and Lumbar Orthoses

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see Expandable titanium cage.

Design variations of expandable cages for vertebral body replacement do not show any significant effect on the biomechanical results. There was no significant difference found, between the biomechanical properties of expandable and non-expandable cages. After corporectomy, isolated implantation of expandable cages plus anterior plating was not able to restore normal stability of the motion segment. As a consequence, isolated anterior stabilization using cages plus LCDCP should not be used for vertebral body replacement in the thoraco-lumbar spine [1].

see Biplanar Expandable Interbody Cage

[1]
Khodadadyan-Klostermann C, Schaefer J, Schleicher P, Pflugmacher R, Eindorf T, Haas NP, Kandziora F. [Expandable cages: biomechanical comparison of different cages for ventral spondylodesis in the thoracolumbar spine]. Chirurg. 2004 Jul;75(7):694-701. German. PubMed PMID: 15258751.

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