Aspen MIS Fusion System

From Biomet Spine

The Aspen device is a small clip-like titanium implant that attaches to the spinous processes, the bony parts of the spine located closest to the skin and farther away from delicate nerves. Because of this, it can be implanted through a small 1½ inch incision, while preserving surrounding muscle and tissue. The center of the Aspen device is also specifically designed to hold bone graft material that helps the body produce new bone to strengthen the spine.

Due to its minimally invasive nature, surgeons are reporting that patients who utilize the Aspen device may experience less painful and quicker recovery compared to patients with traditional pedicle screw fixation. Studies show the Aspen device provides robust stabilization and promotes fusion while requiring a smaller incision, less muscle trauma, less blood loss and a shorter surgery time.

The Aspen MIS Fusion System is very versatile and can be used in a variety of fusion procedures, allowing surgeons to tailor treatment to each patient's specific condition and needs [1) 2) 3)].

1)
Karahalios DG, et al. Biomechanics of a lumbar interspinous anchor with anterior lumbar interbody fusion. J Neurosurg Spine. April 2010. 12(4): 372–380.
2)
Kee Kim, MD, et al. ClinicalTrials.gov ID: NCT01016314. Peri-Operative Results of Subjects Randomized to the ASPEN MIS Fusion System Vs. Pedicle Screws in Anterior Lumbar Interbody Fusion (ALIF): Interim Analysis. Data on file at LANX, Inc.
3)
Robert Tatsumi, MD. Single Level Posterior Lumbar Fusion and Decompression for Degenerative Spondylolisthesis — Comparison Between Pedicle Screws and Spinous Process Fixation. Poster presented at SMISS, September 2012.