Minimally Invasive Surgery Solutions

Aesculap Spine
Aesculap Implant Systems is committed to easing your transition to minimally invasive surgery (MIS) techniques with products and training that provide benefits to you as well as your patients.

Through cutting-edge products and world-class education, we offer an innovative approach to accommodate MIS techniques.

Our MIS product portfolio provides a complete system for your surgical needs. Each product was specifically designed to complement the features of one another to create an interchangeable MIS system that maximizes surgical visibility, minimizes radiation exposure, eases use for surgical precision and allows for minimal disruption of muscle tissue.
Combining a mini-open Wiltse style approach with Aesculap’s MIS systems provides all of the known patient and surgeon benefits associated with minimally invasive surgery:

**Benefits to the patient**
- Reduced blood loss
- Reduced pain through minimal muscle devitalization
- Faster patient recovery
- Shortened hospital stay

**Benefits to the surgeon**
- Reduced radiographic exposure as compared to percutaneous surgery
- Minimal learning curve for an easy transition to a minimally invasive procedure
- Optimized implant and instrument design:
  - to minimize soft tissue creep
  - to provide a field of view similar to open procedures
- Compress or distract through the mini-open retractor without an additional incision

Aesculap offers a coordinated system of products that work harmoniously together to realize the benefits of Minimally Invasive Surgery.

Using the S4® pedicle screws, Spyder™ retractor and T-Space® (TLIF) PEEK Interbody device together as a comprehensive system, creates the ideal atmosphere for minimally invasive procedures.

- S4’s small, yet strong screw design is, on average, 25% smaller than competitive pedicle screws allowing for increased direct visualization in a small incision.
- S4’s extension tabs simplify rod insertion eliminating the need for bulky rod persuasion instrumentation.
- Spyder’s 16.5, 20 and 24 mm cranial/caudal diameter blade options provide versatility and flexibility for minimizing incision size.
- Novel compression instrumentation works directly through the Spyder retractor.
- Superior engineering of the T-Space (TLIF) PEEK Interbody device and coordinating instruments allow for simplified placement of the Interbody through a mini-open incision.
- Complete offering of Interbody products available to supplement pedicle screw fixation.

www.aesculapimplantsystems.com/spineMIS
Aesculap Implant Systems offers award-winning training through the Aesculap Academy for spine surgeons familiar with techniques of open posterior lumbar fusion that wish to transition to minimally invasive fusion. Experienced surgeon faculty provide instruction regarding operative technique, case selection, complication avoidance, and bail-out strategies in order to facilitate a step-wise transition from open to minimally invasive surgery.

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