

Aesculap Implant Systems Introduces the ProSpace™^{XP} Lumbar Interbody System

The ProSpace^{XP} is an optimum fusion of the osteoconductive Plasmapore^{®XP} coating and PEEK-Optima^{®*} core for enhanced implant stability, artifact-free imaging, and an ideal osteoconductive scaffold for PLIF procedures.

Center Valley, PA (January 21, 2015) – Aesculap Implant Systems recently introduced the ProSpace^{XP} Interbody System for PLIF procedures. The ProSpace^{XP} fuses two proven materials, an innovative Plasmapore^{®XP} osteoconductive porous Titanium coating and a PEEK-Optima[®] radiolucent core, that deliver enhanced implant stability, artifact-free imaging, and an optimal, osteoconductive scaffold for fusion procedures. A comprehensive range of intuitive instrumentation and over 40 implant size options are available to accommodate varying patient anatomies and intraoperative needs.

The design of the ProSpace^{XP} interbody combines aggressive teeth and the Plasmapore^{XP} surface coating that enhances implant stability and migration resistance. Additionally, Plasmapore^{XP} maximizes the contact area between the implant and vertebral endplate, offering surgeons the ideal scaffold for a stable fusion. The ProSpace^{XP} has excellent imaging properties, incorporating the benefits of the Plasmapore^{XP} coating, which clearly delineates implant contours during imaging, along with X-Ray marker pins for intraoperative positioning and verification.¹

Aesculap recently released an ovine study that focuses on the advantages of using Plasmapore^{XP} coated PEEK interbody implants. The study states that Plasmapore^{XP} coated implants have significantly greater pullout strength and bony ingrowth when compared to uncoated PEEK implants at 12 and 24 weeks. It also concludes that the Plasmapore^{XP} coating presents a biomechanical advantage by providing initial stabilization as well as long term advanced stability.¹ The study author, Boyle C. Cheng, PhD, explains that, “The clinical relevance of this study should instill both the patient and surgeon with confidence in the stability of Aesculap’s Plasmapore^{XP} coated devices from implantation to fusion. Due to the optimized surface coating, the device supports excellent interbody fit and also long term bony apposition. It is clear that the Plasmapore^{XP} coating provides good initial stability with superior long term results.”

The ProSpace^{XP} interbody is another addition to Aesculap’s expanding portfolio of Plasmapore^{XP} coated implants. For more information about the ProSpace^{XP} product or other Plasmapore^{XP} coated products visit: aesculapimplantsystems.com/prospacexp

References:

¹Data on file

*PEEK-Optima is registered trademark of Invibio Biomaterial Solutions.

About Aesculap Implant Systems, LLC

Aesculap Implant Systems, LLC, a B. Braun company, is part of a 175-year-old global organization focused on meeting the needs of the changing healthcare environment. Through close collaboration with its customers, Aesculap Implant Systems develops advanced spine and orthopaedic implant technologies to treat complex disorders of the spine, hip and knee. Aesculap Implant Systems strives to deliver products and services that improve the quality of patients’ lives. For more information, call 800-234-9179 or visit aesculapimplantsystems.com.

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