New Case Study Presents Reduction and Stabilization of Grade III L5 – S1 Dysplastic Spondylolisthesis Using Posterior Approach

The Aesculap S4® Spondylolisthesis Reduction Instrumentation was specifically chosen to treat the spondylolisthesis because it functions in a precise and controlled manner allowing the surgeon to regain sagittal balance while reducing the risk of possible nerve damage.

Center Valley, PA (March 19, 2013) – Aesculap Implant Systems, LLC (Aesculap) published a new case study that presents a successful reduction and fusion of a female high school student diagnosed with Grade III-IV L5-S1 dysplastic spondylolisthesis, chronic back and left leg pain, and sagittal instability. She underwent operative reduction, stabilization, decompression and interbody fusion of L5 onto S1. In this application, Terrence L. Piper, MD of Piper Spine Care utilized the S4 Spinal System for pedicle stabilization and the S4 Spondylolisthesis Reduction Instrument (SRI) to perform the reduction maneuver in an anatomically friendly, precise and controlled manner. The new case study presents the materials and methods, history of illness, radiographic studies, and details and outcomes of the operation and is now available to download exclusively at www.aesculapimplantsystems.com/spine.

In this case, the Aesculap S4 SRI, a complement of the Aesculap S4 Spinal System, was necessary to facilitate simultaneous correction of translation and slip angle. It allowed reduction of L5 on S1 with only a single-level fusion, sparing adjacent healthy motion segments. Surgeon, Terrence Piper, MD said, “The Aesculap S4 SRI is very powerful instrumentation that allowed us to reduce the listhetic vertebral body along the same curved displacement route, minimizing interference with anatomical structures and eliminating neurologic deficits that might result from initial over-distraction of an already stretched nerve root. The S4 SRI enabled simultaneous reduction and distraction making it easier to use while reducing overall procedure time. The reduction maneuver was precise and controlled and reduced the risk of inadvertent movements.”

Authored by Terrence L. Piper, MD, founder of Piper Spine Care in St. Peters, MO, the paper is available for exclusive download at www.aesculapimplantsystems.com/spine.

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About Aesculap Implant Systems, LLC
Aesculap Inc., a B. Braun company, founded in 1867 in Tuttlingen, Germany, is the world’s largest and one of the most respected manufacturers of surgical instruments and sterilization container. Aesculap is a leading privately-owned manufacturing company, passionately committed to providing high-quality, innovative products and services to all surgical disciplines, with particular focus in the fields of General, Neuro, Spine and Orthopaedics.

Aesculap Implant Systems, LLC, established by Aesculap, Inc. in 2005, focuses on delivering innovative solutions to the spine and orthopaedic markets. Aesculap Implant Systems maintains a surgeon/patient focus with the goal of improved operative procedures and patient outcomes leading to an improved quality of life. For more information about Aesculap Implant Systems or its medical products, call 800-234-9179, email us at info@aesculap.com or visit www.AesculapImplantSystems.com.

About B. Braun
B. Braun Medical Inc. (B.Braun), a leader in infusion therapy and pain management, develops, manufactures, and markets innovative medical products and services to the healthcare industry. The Company is committed to eliminating preventable treatment errors and enhancing patient, clinician and environmental safety. Guided by its “Sharing Expertise®” philosophy, B.Braun continuously exchanges knowledge with customers, partners and clinicians to address the critical issues of improving care and lowering costs.

The B.Braun group of companies includes B.Braun, Aesculap® and CAPS®. B.Braun’s U.S. headquarters is located in Bethlehem, Pennsylvania, with its global headquarters based in Melsungen, Germany. It employs more than 44,000 employees in more than 50 countries throughout the world. To learn more about B.Braun visit www.bbraunusa.com.