New Perspectives on Spine Surgery

November 6-7, 2015*
Miami Anatomical Research Center (MARC)*
Miami, FL

*Course date & location subject to change
Course Overview

Aesculap Implant Systems New Perspectives on Spine Surgery course is offered to spine surgeons who manage patients with disease and injuries to the cervical, thoracic and lumbar spine.

This year’s course will feature some of the industry’s most debated and challenging spinal procedures in both the anterior and posterior approaches. The course will include topics pertaining to Posterior Cervical Fusion, Odontoid Fixation, MIS Lumbar Fusion Treatments and Motion Preservation of the Lumbar Spine.

The course agenda has been carefully designed to provide a comprehensive overview of common anterior and posterior pathologies, current treatment modalities and emerging spinal technologies. The didactic session will be followed by a sophisticated cadaver lab replicating the operating room set-up in which the participants will have ample opportunity to practice the surgical techniques presented. Attendees are strongly encouraged to bring cases for discussion.

Aesculap Implant Systems is excited to offer course attendees the opportunity to become credentialed on the activL® Artificial Disc, the only Lumbar Motion Preservation Implant on the market to offer Intelligent Motion Technology™. The course content includes topics specific to lumbar total disc replacement including: level and vasculature specific approach considerations, positioning and pre-operative imaging, patient indications and risk stratification, an overview on the biomechanics of total disc replacement.

In an interactive and engaging learning environment, participants will have an opportunity to:

- Hear didactic presentations from thought leaders in the spine community
- Share and review case studies in an interactive forum
- Receive hands-on training by world-renowned spine surgeons using cadaveric models

The New Perspectives on Spine Surgery curriculum, designed by the Aesculap Academy, meets all applicable OIG, AdvaMed, and ACCME guidelines.

Course Objectives

Upon completion of this course, participants should be able to:

Cervical and Lumbar Pathologies

- Distinguish current indications and applications for complex cervical and lumbar pathologies
- Discuss emerging trends in the cervical and thoracolumbar spine for treatment of degenerative disc disease, and other spinal disorders
- Discuss traditional vs. stand-alone implant options for anterior cervical fusion surgeries
- Discuss occipitocervical fixation: procedures and techniques
- Understand the variety of fixation techniques using hooks, cables, and screws
- Understand and apply occipitocervical-thoracic fusion and open-door laminoplasty techniques for the posterior treatment of cervical spinal disorders
- Discuss and identify the cases best suited for open or minimally invasive lumbar fusion
- Discuss mini-open lumbar decompression, TLIF and percutaneous pedicle screw fixation
- Understand and apply a more controlled, anatomical technique for reducing spondylolisthesis
- Discuss and identify anatomy and landmarks for anterior approach
- Understand the biomechanics of stand-alone devices in the spine
- Apply anterior lumbar fusion for treatment of degenerative disc disease utilizing anterior lumbar stand-alone interbody fusion device
- Discuss options in anterior lumbar surgery through multiple approaches
- Discuss anterior vs. posterior or 360 techniques for addressing lumbar spinal disorders
- Understand new interbody spacer technologies entering the market for spinal fusions
- Understand current and emerging motion preservation technologies

Motion Preservation – activL® Artificial Disc

- Engage in roundtable discussion with other motion preservation spine surgeons
- Discuss and identify the cases best suited for anterior lumbar total disc replacement versus lumbar interbody fusion
- Understand the biomechanics of the healthy versus degenerated lumbar spine in patients that are candidates for lumbar total disc replacement
- Apply the surgical technique for lumbar total disc replacement utilizing the activL® Artificial Disc
- Mitigate and bailout of potentially challenging complications
- Understand the current reimbursement environment for anterior procedures and the resources available
- Following completion of the course, surgeons will be given access to the activL® Artificial Disc and its corresponding support programs.

In order to be fully credentialed on the activL disc, first cases must be observed by an activL Artificial Disc certified trainer.
**Agenda**

**Friday, November 6, 2015**

**Anterior/Posterior Cervical-Thoracic Trauma**

7:00 AM  Breakfast
7:30 AM  Transfer to Lab – Meet in Hotel Lobby
8:00 AM  Opening Remarks – Rolando Garcia, MD
8:10 AM  Indications for Anterior Cervical Thoracic Corpectomy – Brian Snell, MD
8:30 AM  Posterior Cervical Thoracic Stabilization – Ralph Kothe, MD
8:50 AM  Indications for 360° Cervical Fusion – Rex Marco, MD
9:10 AM  Treatment Options for Odontoid Fixation – Ron Apfelbaum, MD
9:30 AM  Break
9:45 AM  Rotation 1
10:45 AM  Rotation 2
11:45 AM  Rotation 3
12:45 PM  Lunch / Instructor and Attendee Case Presentations – Ron Apfelbaum, MD / Larry Khoo, MD

**Posterior Lumbar Treatment Options**

1:30 PM  Posterior Lumbar Options; Open vs MIS – Peyman Pakzaban, MD
1:50 PM  True Indications for Percutaneous Screws: Pros and Cons – Scott Webb, DO
2:10 PM  Reduction of Spondyloolisthesis – Jeffrey Kozak, MD
2:30 PM  Break
2:45 PM  Rotation 4
3:45 PM  Rotation 5
4:45 PM  Closing Remarks / Adjourn

**Saturday, November 7, 2015**

**Anterior Lumbar**

7:00 AM  Breakfast
7:30 AM  Transfer to Lab – Meet in Hotel Lobby
8:00 AM  Opening Remarks – Rolando Garcia, MD
8:10 AM  Anterior Approach and Complications – Gary Fantini, MD
8:30 AM  Indications for Anterior Stand Alone – Jeffrey Kozak, MD
8:50 AM  Indications for 360° Lumbar Fusion – Scott Blumenthal, MD
9:10 AM  Next Generation in Fusion Technology – Boyle Cheng, PhD
9:30 AM  Break
9:45 AM  Rotation 1
10:45 AM  Break

**Motion Preservation – activL® Artificial Disc**

11:00 AM  The Next Generation Lumbar TDR – Rolando Garcia, MD
11:20 AM  What Have We Learned About Lumbar TDR: The Current Evidence – Scott Blumenthal, MD
11:50 AM  Surgical Technique and Instrumentation Overview – James Yue, MD
12:10 PM  Patient Selection and Risk Stratification – Richard Guyer, MD
12:30 PM  Lunch / Instructor and Attendee Case Presentations – Richard Guyer, MD
1:05 PM  Intelligent Momentum Support: Coding and Reimbursement – Argenta Advisors

1:20 PM  A Decade of Experience using the activL® Artificial Disc: Differential Indications from a Global Perspective – Jochen Feil, MD
1:40 PM  Challenging Lumbar TDR Case Review and Complications – Rolando Garcia, MD, Scott Blumenthal, MD, Richard Guyer, MD, James Yue, MD, Jochen Feil, MD
2:00 PM  Break
2:15 PM  Rotation 2
3:45 PM  Closing Remarks / Adjourn

**Chairman**

Rolando Garcia, Jr., MD, MPH
Orthopedic Spine Surgeon
Orthopaedic Care Center
Spine Surgery & Scoliosis
Aventura, FL

**Faculty**

Ronald Apfelbaum, MD, Professor Emeritus
University of Utah
Salt Lake City, UT

Scott Blumenthal, MD
Orthopaedic Spine Surgeon
Texas Health Center for Diagnostics
Plano, TX

Eugene Bonaroti, MD
Neurosurgeon
Allegheny General Hospital
Pittsburgh, PA

Boyle Cheng, PhD
Spinal Kinematics
Allegheny General Hospital
Pittsburgh, PA

Gary Fantini, MD
Clinical Associate Professor
Weill Cornell Medical College
Spinal Access Surgery
New York, NY

Jochen Feil, MD
Trauma and Spine Surgeon
Texas Orthopaedic Hospital
Houston, TX

Larry Khoo, MD
Neurosurgeon
Co-Director
The Spine Clinic of LA
Los Angeles, CA

Ralph Kothe, MD
Orthopedic Spine Surgeon
Schön Klinik Hamburg
Hamburg, Germany

Jeffrey Kozak, MD
Orthopedic Spine Surgeon
Fondren Orthopedic Group, LLP
Houston, TX

Peyman Pakzaban, MD
Neurosurgeon
Microsurgical, Minimally Invasive Spine Surgery
Houston, MicroNeurosurgery Pasadena, TX

Thomas Raley, MD
Orthopedic Spine Surgeon
Innova Alexandria Hospital
Alexandria, VA

David Wimberley, MD
Orthopaedic Spine Surgeon
Texas Orthopaedic Hospital
Houston, TX

James Yue, MD
Orthopedic Spine Surgeon
Yale-New Haven Hospital
Guilford, CT

* Faculty Subject to Change
Intended Audience
Attendance at this course is limited and by invitation only. This course is being offered to neuro and orthopaedic healthcare professionals in the United States and Canada specializing in spine surgery.

Aesculap Academy Training and Education Program
The Aesculap Academy recognizes the importance of its relationship and collaboration with healthcare professionals. Therefore, this educational activity is designed to comply with the AdvaMed Code of Ethics as well as all applicable state and federal laws pertaining to interactions with healthcare professionals.

Disclaimer
Participants must always use their own judgment and professional opinion when considering future application of this information, particularly as it may relate to patient diagnostic or treatment decisions.

Support
Funding for this program has been provided by Aesculap, with technical support provided by the Aesculap Academy. Aesculap will organize all travel and lodging for participants to attend this training, which includes: coach class airfare, hotel accommodations for the course dates, scheduled meals, and course materials. Payment for participant travel and lodging will be made directly by Aesculap to travel agency, hotel and ground transfer providers, and not to program participants.

ADA Statement
The Aesculap Academy staff is available to assist you with any special needs (i.e. physical, dietary, etc.) Please contact Janet Mahaffey at 800.258.1946, Ext. 5223.

Disclosure of Payments
Under the provisions of Section 6002 of the Patient Protection and Affordable Care Act, commonly known as the Sunshine Act and now known as Open Payments, certain expenses related to attendance and/or participation in this course may require disclosure to the federal government. The law requires the disclosure of certain payments or transfers of value provided to covered recipients by pharmaceutical and medical device manufacturers, including: consulting fees, gifts and entertainment, food and beverage, travel and lodging, education, research payments, charitable contributions, educational grants, and some exhibit or space rental fees. Aesculap will take all prudent measures to ensure that the information we are required to report is fair and accurate. Note to healthcare professionals licensed in the states of Massachusetts and Vermont: State laws may place additional restrictions and/or disclosure requirements on the provision of certain items of value to healthcare professionals by pharmaceutical and medical device manufacturers. Aesculap respects and complies with all state laws.

Registration
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Registration:
The Aesculap Academy will organize and remit fees for reasonable travel and lodging costs incurred by the participant to attend this program. Payment will be made directly to the travel agency, hotel and ground transfer companies and not to the participant directly. For this program, the following expenses will be covered: 1 coach round trip airfare, 1 standard hotel room, all course materials and scheduled meals (as applicable by state legislations)*. This training course is limited to a total registration of 20 participants. Attendance at this course is limited and by invitation only.

*Registrants will be notified if the Aesculap Academy is prohibited from covering certain course related expenses due to state laws.

To Register:
Visit: http://events.SignUp4.com/nov6 and complete the registration form. For questions regarding registration contact Janet Mahaffey 1.800.258.1946 x5223 or Janet.Mahaffey@aesculap.com.
Featured Products

- Quintex® Anterior Cervical Plating System
- S4® Spondylolisthesis Reduction Instrumentation
- Modulift™ Expandable VBR

- CeSpace™XP Interbody System
- Arcadius®xp L Stand Alone Anterior Lumbar Interbody Fusion Device
- activL® Artificial Disc

- S4 Element™ MIS Pedicle Screw System
- S4 Element™ Pedicle Screw System
- Spyder™ MIS Retractor System

- SecureSpan™ Laminoplasty Fixation System
- Odontoid Fixation System
- S4® Cervical OCT Fixation System

- ProSpace™XP Interbody System
Horizons of Knowledge
Competence to master the future.

The Aesculap Academy enjoys a world-wide reputation for medical training of physicians, senior nursing staff and staff in OR, anesthesia, ward and hospital management. The courses consist of hands-on workshop, management seminars and international symposia. For that the Aesculap Academy was given the Frost & Sullivan award as “Global Medical Professional Education Institution of the Year” three times in succession.

The Aesculap Academy courses are of premium quality and accredited by the respective medical societies and international medical associations.