NASS Global Spine Congress: Percutaneous Endoscopic Lumbar Discectomy (PELD) and Endoscopic Techniques

Tuesday, May 1, 2018
Academia, Singapore General Hospital
Singapore

Course Chairs:
Jeffrey Wang, MD
Jin-Sung Kim, MD
Jun-Ho Lee, MD
Patrick Hsieh, MD

Faculty:
TBD

Course Description:
This one-day intensive workshop demonstrates the recent evolution of percutaneous endoscopic procedure as well as its current stance as a feasible treatment alternatives for various lumbar spine pathologies. Reflecting the higher demands from the patients’ for a smaller incision, minimized manipulation to normal structures, as well as consequent faster recovery, these percutaneous procedures have been well acclaimed from various minimally invasive spinal surgery (MISS) related societies around the globe recently. Novel advances in the field of endoscopic optics and miniaturized but reinforced surgical tools would be thoroughly scrutinized and compared to assess their future capabilities to replace the conventional ‘open’ surgeries under microscopic view. Discussions take place on cases that illustrate common clinical problems that average spine practitioners routinely face, their feasible solutions using spinal endoscopy including surgical “tips and pearls” on this emerging percutaneous procedures, with debates from opposing viewpoints that favor standard operations given on that treatment considerations.

Upon completion of the course, participants will gain strategies to:
• Perform the basic skills for the endoscopic approaches (transforaminal & interlaminar) and should be capable of selecting proper modality based upon preoperative anatomical and imaging considerations. Describe contraindications to the performance of the procedure;
• Differentiate the current standard and this novel surgical options, indications and contraindications for PELD and an evidence-based justification for this endoscopy application considerations.
• Discuss the treatment stratification (ramification) from conservative management, endoscopy application to conventional open surgeries based on the illustrative cases and debate with opposing viewpoints on treatment options.

Disclaimer
NASS courses are created to enhance physician understanding of the complexity of performing these procedures only. The course is not designed to certify that attendees are proficient in the procedures taught in the course.
NASS strongly advises participants to continue to have proctoring, mentoring and additional experience prior to treating patients.

**Continuing Medical Education (CME) Information**

This activity has been planned and implemented in accordance with the Essential Areas and Standards of the Accreditation Council for Continuing Medical Education (ACCME). The North American Spine Society is accredited by the ACCME to provide continuing medical education for physicians and takes responsibility for the content, quality and scientific integrity of this CME activity.

NASS designates this live activity for a maximum of *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The American Medical Association has determined that physicians not licensed in the US to participate in this CME activity are eligible for *AMA PRA Category 1 Credits™*.

**Agenda**

7:30-8:00 a.m. Registration

8:00-8:05 a.m. Welcome and Introduction

**Percutaneous Endoscopic Lumbar Discectomy (PELD)**

8:05-8:20 a.m. Percutaneous endoscopic surgery: the current evidence, MD

8:20-8:35 a.m. The history (past), present of PELD, MD

8:35-8:50 a.m. Transforaminal approach: surgical anatomy and technical tips, MD

8:50-9:05 a.m. Transforaminal PELD: technical tips to prevent complications, MD

9:05-9:20 a.m. Interlaminar approach: surgical anatomy and technical tips, MD

9:20-9:35 a.m. Percutaneous endoscopic interlaminar discectomy: possible pitfalls & surgical strategy to avoid complications, MD

9:35-9:45 a.m. Questions and Answers

All Faculty

9:45-9:55 a.m. Break, MD

**Advanced Endoscopic Techniques**

9:55-10:10 a.m. Endoscopic strategy for migrated disc herniation, MD
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<th>Time</th>
<th>Event</th>
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<tr>
<td>10:10-10:25 a.m.</td>
<td>Endoscopic decompression for lumbar foraminal stenosis, MD</td>
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<tr>
<td>10:25-10:40 a.m.</td>
<td>Interlaminar decompression for lumbar spinal stenosis, MD</td>
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<tr>
<td>10:40-10:55 a.m.</td>
<td>Bi-portal endoscopic decompression for lumbar spinal stenosis, MD</td>
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<td>10:55-11:05 a.m.</td>
<td>Questions and Answers, All Faculty</td>
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**Endoscopic Procedures for Low Back Pain**

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<tr>
<td>11:05-11:20 a.m.</td>
<td>Endoscopic procedure for discogenic low back pain, MD</td>
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<tr>
<td>11:20-11:35 a.m.</td>
<td>Endoscopic procedures for facet joint and SIJ pain, MD</td>
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<td>11:35-12:00 p.m.</td>
<td>Questions and Answers, All Faculty</td>
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<td>12:00-1:00 p.m.</td>
<td>Lunch</td>
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**Hands-on Skills Lab**

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<td>1:00-6:00 p.m.</td>
<td>Hands-on Skills Lab, All Faculty</td>
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Bioskills Lab PSL1A, 1B, 1C

6:00 p.m. Adjourn