Wednesday, July 29, 2020

Hands-on Course: Expanding the Indication of Endoscopic Spine Surgery from Cervical to Lumbar Spine (Part II)

8:00 a.m.-5:00 p.m., Chulalongkorn University, Bangkok, Thailand

Course Chairs:
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Description:
This course is a continuation of Tuesday’s endoscopic spine surgery (ESS) course. This is an advanced course for surgeons and demonstrates the recent evolution of endoscopic spine surgery as well as its current stance as a feasible treatment alternative for various spine pathologies in cervical, thoracic, and lumbar spine. There has been a recent paradigm shift in the accepted surgical indications for spinal endoscopy from herniated disc to spinal stenosis, and even interventional intradiscal, and axial pain management procedures. With the aid of novel advances, the indication of ESS is rapidly moving from disc prolapse to spinal stenosis, and even to spine instability. Discussions will focus 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 these emerging procedures, with debates from opposing viewpoints that favor standard microscopic surgeries given on that treatment consideration.

Upon completion of this session, participants should gain strategies to:

- Recognize the roles and pros/cons of endoscopic spine surgery;
- Recognize the potential and limitations of endoscopic spine surgery;
- Determine current available endoscopic techniques treatment of spinal disorders from cervical to lumbar spine;
- Integrate current scientific evidence and surgical pearls from experts on endoscopic spine surgery;
- Recognize the advancement of endoscopic spine surgery and endoscopic spine fusion;
- Identify rationale, challenges, current techniques, and developments related to endoscopic spine fusion.

Agenda:
7:00-8:00 a.m.  Registration
8:00-8:05 a.m.  Welcome and Introduction

The Adoption of Endoscopy in Lumbar Spinal Stenosis
8:05-8:20 a.m.  Recent Evidence of Endoscopic Spine Surgery for Spinal Stenosis
8:20-8:35 a.m.  Anatomical Considerations and Techniques for Transforaminal Access in Lumbar Foraminal Stenosis
8:35-8:50 a.m.  What Are the Differences Between Microscopic Tubular Surgery and Endoscopic Surgery in Lumbar Stenosis?
8:50-9:05 a.m.  Lumbar Endoscopic Unilateral Laminotomy and Bilateral Decompression
9:05-9:20 a.m.  Evolution of Lumbar Endoscopic Foraminal Approach
9:20-9:35 a.m.  The Application of Navigation on the Spinal Endoscopy

The Adoption of Endoscopy in Large Disc Prolapse and Central Stenosis in Cervical Spine

9:35-9:50 a.m.  Posterior Endoscopic Cervical Approach for Large Disc Herniation
9:50-10:05 a.m.  Cervical Endoscopic Unilateral Laminotomy and Bilateral Decompression
10:05-10:20 a.m.  Questions and Answers
10:20-10:35 a.m.  Coffee Break

The Adoption of Endoscopy in Thoracic Spine

10:35-10:45 a.m.  Recent Evidence of Endoscopic Spine Surgery for Thoracic Spine
10:45-11:00 a.m.  Transforaminal Access at the Mid/Lower Thoracic Spine
11:00-11:15 a.m.  My Experience of Thoracic Endoscopy

The Adoption of Endoscopy in Revision Setting and Others

11:15-11:25 a.m.  Interlaminar/Translaminar Endoscopic Access for Revision
11:25-11:35 a.m.  Transforaminal Endoscopic Access for Recurrent Disc
11:35-11:50 a.m.  Navigation/Robotic Endoscopic Spine Surgery
11:50-12:05 a.m.  Endoscopic TLIF
12:05-12:15 a.m.  Questions and Answers
12:15-1:00 p.m.  Case Discussion with Box Lunch
           Case 1 – A Case of Thoracic Disc Herniation
           Case 2 – A Case of Buckling of Ligamentum Flavum in Cervical Spine
           Case 3 – A Case of Foraminal Stenosis Combined with Lateral Recess Stenosis
1:00-5:00 p.m.  Hands-on Lab Cadaver Workshop