



1st Annual Endoscopic Spine Surgery Symposium
Friday, July 28 & Saturday, July 29, 2023
at the Seattle Science Foundation

AGENDA

FRIDAY, JULY 28, 2023

4 p.m. **Welcome & Overview**
Saqib Hasan M.D. & Christoph Hofstetter M.D., Ph.D.

4:10 p.m. **Studying the Power of Endoscopic Spine Surgery**
Christoph Hofstetter M.D., Ph.D.

Objective:

- Describe an important initiative in elucidating the role of endoscopic spine surgery through a research-based initiative

4:30 p.m. **Live Demonstration from BioSkills Lab No. 1**
Side-by-Side Interlaminar & Transforaminal Discectomy
Jon Yoon, M.D. & Lynn McGrath, Jr., M.D.

Objectives:

- Explain radiographic targeting for interlaminar & transforaminal discectomy
- Recognize targeting-palpitation-visualization sequence for both procedures
- Identify the endoscopic landmarks for both procedures

5 p.m. **Break, Exhibits & Appetizers**

PRACTICAL HANDS-ON TRAINING NO. 1

5:15 p.m. **Hands-on BioSkills Lab** (*max 5 people per station*)
All faculty

Stations:

1. Transforaminal endoscopic lumbar discectomy (TELF)
2. Interlaminar endoscopic lumbar discectomy (IELD)
3. Posterior endoscopic cervical foraminotomy
4. Tips & Tricks for OR Set-Up

Objectives:

- Perform a TELF and an IELD
- Perform a posterior endoscopic cervical foraminotomy
- Outline endoscopic targeting for lumbar and cervical
- Outline the basics of handling endoscopic equipment

7:15 p.m. **Benefit Zone of Endoscopic Spine Surgery**
Saqib Hasan, M.D.

Objectives:

- Describe beginner, intermediate and advanced cases in endoscopic spine surgery
- Outline the benefits of incorporating the above techniques

7:30 p.m. **The World-Wide State of Endoscopic Spine Surgery** (*virtual*)
Junseok Bae, M.D.
Objectives:

- Describe the global emergence of endoscopic spine surgery and region specific trends across a variety of different healthcare environments

7:45 p.m. **Open Discussion**

8 p.m. **Adjourn**

SATURDAY, JULY 29, 2023

7 a.m. **Breakfast & Registration**

7:25 a.m. **Welcome & Introductions**
Saqib Hasan, M.D., & Christoph Hofstetter, M.D., Ph.D.

7:30 a.m. **Keynote Address**
Endoscopic Spine Surgery: How It Started & Where We Are
Prof. J.N. Alistair Gibson
Objectives:

- Outline the evolution of endoscopic spine surgery
- Describe current use-cases for endoscopic spine surgery
- Summarize the future direction of endoscopic spine surgery

LUMBAR ENDOSCOPIC SPINE SURGERY SESSION

7:50 a.m. **Interlaminar Endoscopic Lumbar Discectomy**
Nathan Brooks, M.D.
Objectives:

- Describe the indications for interlaminar endoscopic lumbar discectomy
- Outline technical pearls for this procedure
- Explain some of the pitfalls of this procedure

8:10 a.m. **Transforaminal Endoscopic Lumbar Discectomy**
John Ogunlade, D.O.
Objectives:

- Describe the indications for transforaminal endoscopic lumbar discectomy
- Outline technical pearls for this procedure
- Explain some of the pitfalls of this procedure

8:30 a.m. **The Nuances of Discectomy Approach Selection**
Meng Huang, M.D.
Objectives:

- Outline clinical decision-making for discectomy
- Present illustrative case examples

8:40 a.m. **Discussion**

8:50 a.m. **Break & Exhibits** (*not for CME credit*)

9:05 a.m.

Live Demonstration from BioSkills Lab No. 2
Side-by-Side Endoscopic TLIF vs. Endoscopic PLIF

Raymond Gardocki M.O.D, & Jian Shen, M.D.

Objectives:

- Explain radiographic targeting for interlaminar & transforaminal interbody fusions
- Recognize targeting-palpitation-visualization sequence for both procedures
- Identify the endoscopic landmarks for both procedures

PRACTICAL HANDS-ON SESSIONS NO. 2

10:05 a.m.

Hands-on BioSkills Lab (*max 5 people per station*)

All faculty

Stations:

1. Endoscopic transforaminal lumbar interbody fusion (TLIF)
2. Endoscopic posterior lumbar interbody fusion (PLIF)
3. Thoracic discectomy
4. Tips & Tricks for OR Set-Up

Objectives:

- Perform an endoscopic TLIF and PLIF
- Describe endoscopic targeting for transforaminal lumbar interbody fusion
- Outline the basics of handling endoscopic equipment

12:05 p.m.

Lunch Break & Exhibits (*not for CME credit*)

12:20 p.m.

Lumbar Discectomies: How to Recognize Intra-Operative Challenges & Complications (*virtual*)

Christoph Siepe, M.D.

Objectives:

- Interpret a pre-operative evaluation of imaging to stratify approach-related risk
- Summarize strategies for complication avoidance
- Outline how to address intra-operative complications

12:40 p.m.

Anesthesia Selection for Lumbar Discectomy: Wide Awake vs. General

Albert E. Telfeian, M.D., Ph.D.

Objectives:

- List the pros & cons of anesthesia selection
- Describe tips & tricks for wide-awake discectomy

1 p.m.

Interfascial Plane Blocks in Lumbar Endoscopic Spine Surgery

Raymond Gardocki, M.D.

Objectives:

- Describe the different types of field blocks
- Outline tips & tricks to increase field block efficacy

CERVICAL / THORACIC ENDOSCOPIC SPINE SURGERY SESSION

1:10 p.m.

Posterior Cervical Foraminotomy / Discectomy

Peter Derman, M.D.

Objectives:

- Describe the indications for posterior cervical foraminotomy / discectomy
- Outline technical pearls for this procedure
- Explain some of the pitfalls of this procedure

1:30 p.m.

Live Demonstration from BioSkills Lab No. 3
Posterior Cervical Foraminotomy / Discectomy

Osama Kashlan, M.D.

Objectives:

- Explain radiographic targeting for posterior cervical foraminotomy / discectomy
- Recognize targeting-palpitation-visualization sequence for both procedures
- Identify the endoscopic landmarks and endpoints

1:50 p.m.

Thoracic Discectomies

Sanjay Konakondla, M.D.

Objective:

- Outline technical pearls for this procedure
- Explain some of the pitfalls of this procedure

2:10 p.m.

Break & Exhibits (*not for CME credit*)

2:15 p.m.

Live Demonstration from BioSkills Lab No. 4
Thoracic Discectomy / Fusion

Sanjay Konakondla, M.D.

Objectives:

- Explain radiographic targeting for thoracic discectomy
- Recognize targeting-palpitation-visualization sequence for both procedures
- Identify the endoscopic landmarks and endpoints

ENDOSCOPIC FUSION SESSION

2:50 p.m.

Endoscopic Fusion: Overview & Rationale (*virtual*)

Michael Y. Wang, M.D.

Objectives:

- Outline the rationale and effectiveness of endoscopic fusion
- Recognize the nuances of patient and pathology selection

3 p.m.

Endoscopic Fusion: Transforaminal Approach

Christoph Hofstetter, M.D., Ph.D.

Objectives:

- Outline the indications for endoscopic fusion: transforaminal approach
- Describe technical pearls for endoscopic fusion: transforaminal approach
- Identify the pitfalls of endoscopic fusion: transforaminal approach

3:10 p.m.

Endoscopic Fusion: Posterolateral Approach

Mark Mahan, M.D.

Objectives:

- Outline the indications for endoscopic fusion: posterolateral approach
- Describe technical pearls for endoscopic fusion: posterolateral approach
- Identify the pitfalls of endoscopic fusion: posterolateral approach

3:20 p.m.

Break & Exhibits (*not for CME credit*)

3:35 p.m.

Endoscopic Fusion: Technical Adjuncts

Raymond Gardocki, M.D.

Objectives:

- Outline the indications for endoscopic fusion: technical adjuncts
- Describe technical pearls for endoscopic fusion: technical adjuncts
- Identify the pitfalls of endoscopic fusion: technical adjuncts

- 3:45 p.m. **Uni-Portal and Bi-Portal Assisted Endoscopic TLIF**
Jang J.W. Yoon, M.D.
Objectives:
- Outline the indications for uni-portal and bi-portal assisted endoscopic TLIF
 - Describe technical pearls for uni-portal and bi-portal assisted endoscopic TLIF
 - Identify the pitfalls of uni-portal and bi-portal assisted endoscopic TLIF
- 3:55 p.m. **Endoscopic Fusion: How to Perform the Optimal Discectomy**
Christopher A. Yeung, M.D.
Objectives:
- Outline the indications for how to perform the optimal discectomy using endoscopic fusion
 - Describe technical pearls for how to perform the optimal discectomy using endoscopic fusion
 - Identify the pitfalls of performing the optimal discectomy using endoscopic fusion
- 4:05 p.m. **Technology Update for Planning an Endoscopic Fusion: Interbody Cage Material Selection, Use of Navigation, Robotics**
Saqib Hasan, M.D.
Objectives:
- Outline current materials used with endoscopic fusion
 - Describe the how and why of incorporating navigation and robotics
- 4:15 p.m. **Break, Exhibits & Transition to BioSkills Lab** (*not for CME credit*)

PRACTICAL HANDS-ON SESSIONS NO. 3

- 4:30 p.m. **Hands-on BioSkills Lab** (*max 5 people per station*)
All faculty
Stations:
1. Endoscopic TLIF/alternatively treatment of central discs
 2. Endoscopic PLIF/alternatively revision discectomies
 3. Unilateral laminectomy for bilateral decompression (“ULBD”) Tips & Tricks
 4. Tips & Tricks for OR Set-Up
- Objectives:**
- Perform an endoscopic TLIF & PLIF
 - Outline endoscopic targeting for lumbar, cervical and thoracic discectomy (for decompression vs. fusion)
 - Outline the basics of handling endoscopic equipment
- 6:15 p.m. **Course Wrap-up**
Saqib Hasan, M.D., & Christoph Hofstetter, M.D., Ph.D.
- 6:30 p.m. **Adjourn**

ESTEEMED FACULTY

Saqib Hasan, M.D.
Course Co-Chairman
Orthopedic Spine Surgeon
Golden State Orthopedics & Spine
Oakland, California

Junseok Bae, M.D. (virtual)
Neurosurgeon
President, Wooridul Hospital Gangnam
Seoul, South Korea

Peter Derman, M.D.
Orthopedic Spine Surgeon
Texas Back Institute
Dallas, Texas

Meng Huang, M.D.
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Academic Institute
Assistant Clinical Member, Research Institute
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Weill Cornell Medical College
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Neurosurgeon
Geisinger Neuroscience Institute
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Endoscopic Spine Surgeon
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