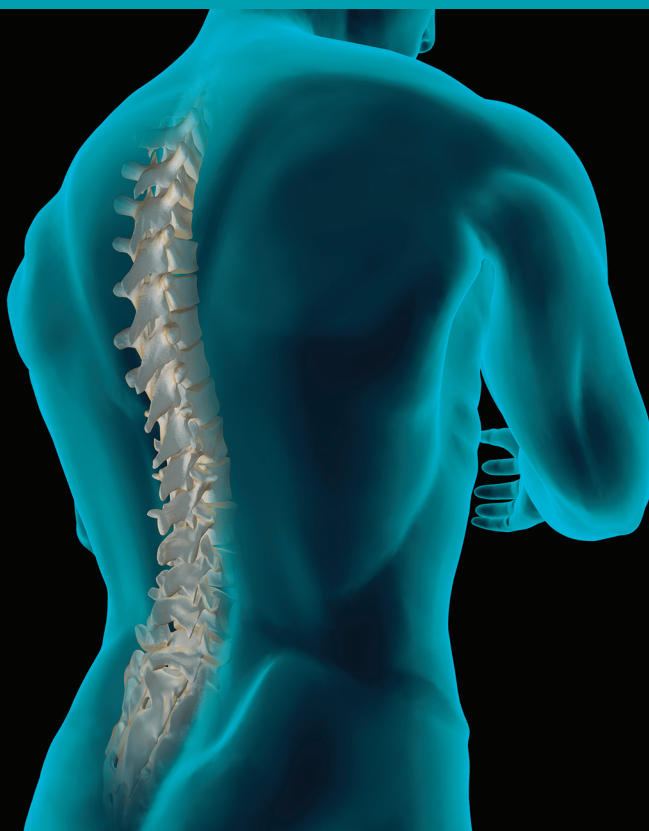


AAOS Contemporary Principles of Minimally Invasive Spinal Surgery Including Navigation and Robotics

Focused hands-on training with the newest navigation and robotics tools

15.25
CME
Credits



SURGICAL SKILLS

June 23 – 24, 2017

OLC Education & Conference Center, Rosemont, IL

Steven C. Ludwig, MD

Isador H. Lieberman, MD, MBA, FRCSC

Course Directors



Enhance your knowledge and technical skills related to minimally invasive spinal surgery under the guidance of world-renowned experts.

Gain hands-on experience with navigation technologies including 2D and 3D navigation guidance, intraoperative CT, as well as various robotics systems, so you can weigh the pros and cons of each and incorporate new skills into your practice! Learn strategies to limit radiation exposure, and how to avoid complications and enhance operating room efficiency.

Course highlights include:

- Minimally invasive options to restore lumbar lordosis:
 - Direct lateral interbody fusion
 - Transforaminal interbody fusion
- Understand workflow for multi-level, complex procedures such as MIS TLIF, and lateral-based surgery
- Interactive debate on the advantages and disadvantages of anterior column release and hyperlordotic cages
- Bring your cases for discussion!

**Over 57%
Hands-on
Skills!**

Who should take this course?

Practicing orthopaedic spine surgeons who would like to advance their skill set in a minimally invasive or deformity capacity.

FRIDAY, JUNE 23

Morning 7:15 am – 12:45 pm

MIS & LUMBAR LORDOSIS

LECTURES

MIS Techniques “Step by Step”

- Direct Lateral Transpsoas Approach
- Lateral Pre-psoas Approach
- MIS TLIF
- Percutaneous Pedicle Screw Placement
- How to Use “Navigation to Place Pedicle Screws”
- How to Use “Robotic Guidance to Place Pedicle Screws”
- MIS TLIF + Cortical Screws
- MIS Techniques for Trauma
- Robotic Guidance for S2 Alar Iliac Screws
- Questions and Discussion

HANDS-ON SKILLS LAB

Registrants Will Rotate Through Two of the Following:

TLIF
TLIF With Cortical Screws
DL Transpsoas
DL Pre-Psoas
Navigated Pedicle Screw Placement
Robotic Guided Pedicle Screw Placement
Long Construct With Iliac Fixation



Afternoon 1:00 pm – 5:00 pm

DEBATE

Pro: Advantages of Anterior Column Release and Hyperlordotic Cages

Con: Disadvantages of Anterior Column Release and Hyperlordotic Cages

Pro and Con Rebuttal

Audience Discussion

HANDS-ON SKILLS LAB

Registrants Will Rotate Through Two of the Following:

TLIF
TLIF With Cortical Screws
DL Transpsoas
DL Pre-Psoas
Navigated Pedicle Screw Placement
Robotic Guided Pedicle Screw Placement
Long Construct With Iliac Fixation



LECTURES

Literature to Support Navigation

Literature to Support Robotics

CASE DISCUSSION

Faculty and Participants Encouraged to Bring Cases

INDUSTRY SPOTLIGHT SESSION #1 (Non-CME)

**15.25 Total Credits of
Category 1 CME**

**Schedule and faculty subject to change.
Details online [aaos.org/3085](https://www.aaos.org/3085)**



SATURDAY, JUNE 24

INDUSTRY SPOTLIGHT SESSION #2 (Non-CME)

Morning 8:10 am – 12:15 pm

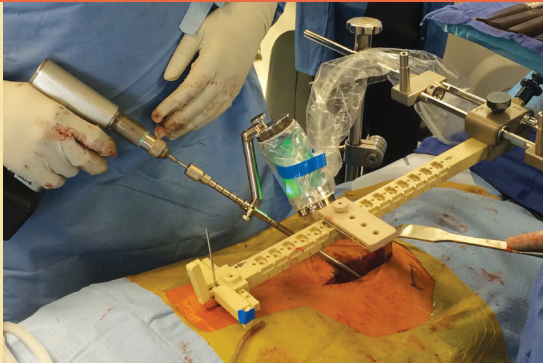
NAVIGATION, ROBOTIC GUIDANCE, & MIS ECONOMICS

LECTURES

Science of Registration and Referencing “What Happens in the Black Box”
Economics of Navigation and Robotics
Economics of MIS Surgery
Minimizing Radiation Exposure During MIS Surgery
Viability of Outpatient MIS Surgery
How Has Navigation Helped This Patient
How Has Robotics Helped This Patient
Questions and Discussion

HANDS-ON SKILLS LAB

Registrants Will Rotate Through Two of the Following:
TLIF
TLIF With Cortical Screws
DL Transpsoas
DL Pre-Psoas
Navigated Pedicle Screw Placement
Robotic Guided Pedicle Screw Placement
Long Construct With Iliac Fixation



LUNCH & LECTURES

MIS Surgery Strategies for Tumors
MIS Surgery Strategies for Kyphosis Correction
MIS Strategies for Adult Deformity Surgery
Questions and Discussion

Afternoon 1:00 pm – 4:00 pm

HANDS-ON SKILLS LAB

Registrants Will Rotate Through Last Rotation Followed by Open Lab
TLIF
TLIF With Cortical Screws
DL Transpsoas
DL Pre-Psoas
Navigated Pedicle Screw Placement
Robotic Guided Pedicle Screw Placement
Long Construct With Iliac Fixation





Steven C. Ludwig, MD
University of Maryland Spine Center
Baltimore, MD
Course Director



Isador H. Lieberman, MD, MBA, FRCSC
Texas Back Institute
Plano, TX
Course Director

Faculty

Shane Burch, MD

Gurvinder S. Deol, MD

Terrence T. Kim, MD

Gregory Lopez, MD

Kornelis A. Poelstra, MD

Sheeraz Qureshi, MD

Krzysztof B. Siemionow, MD

For a complete list of faculty with their affiliations and to register, visit www.aaos.org/3085. Please note: Course faculty subject to change. All faculty members have disclosed potential conflicts of interest. These disclosures can be viewed online at www.aaos.org under 'Member Services'.

Course Tuition

Registration fee includes course materials, electronic syllabus, lunch, and refreshment breaks.

AAOS Candidate Member/International Member/Emeritus Member \$1,669

Nonmember Orthopaedic Surgeon/International Nonmember \$2,069

AAOS Resident Member/Resident/Post-Residency Fellow/Military* \$1,469

*For AAOS members in active U.S. military duty only

How to Register

1. **Online** at aaos.org/3085
2. **Call** AAOS Customer Service at 1-800-626-6726 from 8:00 am to 5:00 pm CT. Outside U.S. dial +1-847-823-7186.
3. **Print** registration form at aaos.org/3085. Mail the completed form to AAOS, 9400 W. Higgins Rd., Rosemont, IL 60018. Or fax to 1-800-823-8025. Outside U.S. fax to +1-847-823-8125.

Registrants are encouraged to bring their own loupes.

Hotel

Hampton Inn & Suites

9480 W. Higgins Road
Rosemont, IL 60018
Phone: 1-847-692-3000

Housing Reservation Deadline

June 8, 2017

Room Rate

\$129/night (plus applicable taxes)
Single or Double occupancy

The Hampton Inn offers the following amenities: free shuttle service to and from O'Hare airport, complimentary hot breakfast, free Wi-Fi, swimming pool, exercise room, and a business center.



Accreditation Statement

The American Academy of Orthopaedic Surgeons is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education (CME) for physicians.

AMA Credit Designation Statement

AAOS designates this live activity for a maximum of 15.25 **AMA PRA Category 1 Credits™**. Physicians should claim only the credits commensurate with the extent of their participation in the activity.

Obtaining CME Credit

Course participants must complete and submit an online evaluation form to receive CME credit.

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