



SEATTLE
SCIENCE
FOUNDATION

CONTINUING MEDICAL EDUCATION

SIXTH ANNUAL

MINIMALLY INVASIVE SPINE SYMPOSIUM

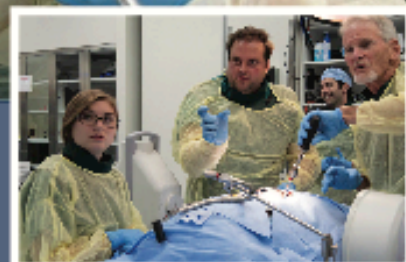
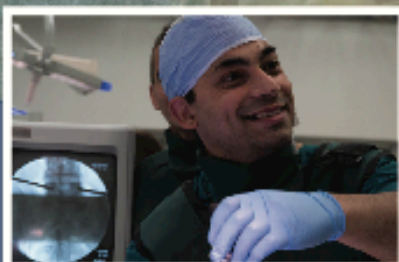
HANDS-ON DISSECTION COURSE



SEATTLE
WA

SATURDAY, JULY 25

2020



BUILT BY PHYSICIAN, FOR PHYSICIANS

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ESTEEMED FACULTY

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Vice-Chair of Neurological Surgery
Chief of Spine Division
Washington University School of Medicine in St. Louis
St. Louis, Missouri

Christopher Yeung, M.D.
Orthopedic Spine Surgeon
Desert Institute for Spine Care
Phoenix, Arizona

AGENDA

- 7:30 am **Welcome & Course Overview**
Jeffrey S. Roh, M.D., M.B.A.
- 7:35 a.m. **Expandable Cages Through the Lateral Approach**
Larry Khoo, M.D.
Objectives:
- Outline the indications for use of expandable lateral cages
 - Describe the differential benefits of expandable cages regarding segmental lordotic correction and overall sagittal balance outcomes
 - Discuss techniques for lateral sagittal correction using expandable cages
- 7:45 a.m. **Q & A**
- 7:50 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 1**
Expandable Lateral Cages
Jeffrey S. Roh, M.D., M.B.A.
Objectives:
- Outline the safest approach, optimal placement & efficient deployment of lateral expandable cages
 - Discuss the advantages and disadvantages of expandable interbody cages vs. static interbody cages
 - Discuss the potential expansion of indications for lateral interbody cages for deformity and instability
- 8:20 a.m. **Live Demonstration No. 2 (pre-recorded)**
Transforaminal Endoscopic Surgery
Christopher Yeung, M.D.
Objectives:
- Explain the steps of transforaminal endoscopic spine surgery
 - Recognize the targets spinal anatomy from the transforaminal endoscopic perspective
 - Interpret the how and when to use the typical endoscopic tools
- 8:50 a.m. **Panel Discussion: Interlaminar vs. Transforaminal Approach**
Moderator: Jeffrey Roh, M.D., M.B.A.
Panelists: Choll Kim, M.D., Ph.D., Junseok Bae, M.D., Chris Yeung, M.D.
Objectives:
- Debate the advantages and disadvantages of interlaminar vs. transforaminal approaches
 - Explain the indications for interlaminar vs. transforaminal endoscopic surgery
 - Discuss the potential complications and bail-out strategies with endoscopic surgeries
- 9:05 a.m. **Q & A**
- 9:10 a.m. **Virtual Exhibit Break** (*not for CME credit*)
- 9:20 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 3**
Single Position Lateral with Percutaneous Screws
Amir Abdul-Jabbar, M.D.
Objectives:
- Summarize bed/positioning considerations for single position lateral
 - Demonstrate placement of pedicle screws from lateral positioning

- 9:50 a.m. **Live Demonstration No. 4 (pre-recorded)**
Endoscopic Assisted Fusions
Junseok Bae, M.D.
Objectives:
- Describe endoscopy into the Kambin's triangle via the transforaminal approach
 - Explain how to do foraminoplasty
 - Perform discectomy and endplate preparation
- 10:20 a.m. **Interlaminar Endoscopic Discectomy**
Choll Kim, M.D, Ph.D.
Objectives:
- Define the potential pitfalls during the learning curve
 - Evaluate when to use an interlaminar vs transforaminal approach
 - Outline technical tips and tricks of the procedure
- 10:30 a.m. **Q & A**
- 10:35 a.m. **Transfacet Minimally Invasive TLIF**
Wilson Z. Ray, M.D.
Objectives:
- Describe the safe bony corridor of a transfacet MIS TLIF approach
 - Outline potential pitfalls of the transfacet MIS TLIF
 - Discuss appropriate patient selection
- 10:45 a.m. **Q & A**
- 10:50 a.m. **Tech Update** (*not for CME credit*)
- 11:20 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 5**
L5 S1 OLIF
Sean Keem, M.D., M.B.A.
Objectives:
- Identify key landmarks in OLIF51 approach
 - Recognize and protect vital structures during OLIF51 interbody preparation
- 11:50 a.m. **Anterior to the Psoas Approach OLIF L5-S1**
Leonard K. Kibuule, M.D.
Objectives:
- Recognize the advantages of anti-psoas approach to lumbar fusions
 - Describe the pros & cons of L2 to S1 fusion
- 12:00 p.m. **Q & A**
- 12:05 p.m. **Panel Discussion: OLIF vs. XLIF**
Moderator: Jeffrey Roh, M.D., M.B.A.
Panelists: Robert Hart, M.D., Sean Keem, M.D., Leonard Kibuule, M.D.
Objectives:
- List the primary differences in complication profiles between OLIF and XLIF
 - Outline the anatomic variations that can help or hinder either approaches during surgery
 - Debate whether there is any differences in clinical outcomes of OLIF vs. XLIF
- 12:20 p.m. **Q & A**
- 12:25 p.m. **Course Wrap-up**
Jeffrey Roh, M.D., M.B.A.
- 12:30 p.m. **Adjourn**

Acknowledgements

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Educational Grant

Globus Medical
Medical Devices Company
Medtronic
Stryker

Exhibit Support

Amplify Surgical
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DePuy Synthes
Globus Medical
Stryker
Terumo BCT

In-Kind Support

Globus Medical
Medical Devices Company
Medtronic
Stryker

Identifying and Resolving Conflicts of Interest

Purpose: The information provided addresses several requirements of the Accreditation Council for Continuing Medical Education (ACCME) to help **ensure independence** in CME activities. Everyone in a position to control the content of a CME activity must disclose all relevant financial relationships with commercial interests to the CME provider. This information must be disclosed to participants prior to the beginning of the activity. Also, CME providers must resolve current conflicts of interest prior to the educational activity.

Definitions: “Financial relationships” are those relationships in which the individual benefits by receiving a salary, royalty, intellectual property rights, consulting fee, honoraria, ownership interest (e.g., stocks, stock options or other ownership interest, excluding diversified mutual funds), or other financial benefit. ACCME considers relationships of the person involved in the CME activity to include financial relationships of a spouse or partner.

The ACCME defines a **“commercial interest”** as any entity producing, marketing, re-selling or distributing health care goods or services consumed by, or used on, patients. Among the exemptions to this definition are government organizations, non-health care related companies and non-profit organizations that do not advocate for commercial interests.

Circumstances create a **“conflict of interest”** when an individual has an opportunity to affect CME content about products or services of a commercial interest with which he/she has a financial relationship. ACCME focuses on financial relationships with commercial interests in the 12-month period preceding the time that the individual is being asked to assume a role controlling content of the CME activity. ACCME has not set a minimal dollar amount for relationships to be significant. Inherent in any amount is the incentive to maintain or increase the value of the relationship. The ACCME defines **“relevant financial relationships”** as financial relationships in any amount occurring within the past 12 months that create a conflict of interest.

CME Activity Planning Committee Members: If a conflict of interest exists, the Planning Committee member must withdraw from the Planning Committee unless the conflict can be resolved. Resolution may be made by one of the following methods: (1) Peer review of CME content will be conducted at another oversight level to assure balance; (2) Change in focus of course so the activity does not include information related to products or services about which the planning committee member has a conflict; (3) Severing relationship(s) between the member and any related commercial interest; (4) Others to be determined by Swedish CME Committee.

CME Activity Presenter: When a conflict of interest exists, the Planning Committee must address the conflict by one of the following methods: (1) Review content to be presented by speaker in advance to assure content balance; (2) Change topic so the presentation is not related to products or services where a conflict exists; (3) Select a different presenter without any related commercial interest; (4) Include presentations by other faculty to provide an overall balance to the content of the course; (5) Limit or specify the sources for recommendations that the presenter can use.

Each speaker is required to give a balanced, evidence-based presentation based on published research. No conclusions or recommendations without external validation may be made by a speaker with a conflict of interest.

Course Planning Committee

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Faculty Disclosure Summary

The following planners and presenters (or their spouses/domestic partners) have/had a financial relationship with a commercial interest: (*S = Speaker; P = Planner*)

Junseok Bae, M.D. (S): Consultant: Joimax, GmbH

Robert Hart, M.D. (S): Consultant: DePuy Synthes, Medtronic, Orthofix, SeaSpine, Amplify, SpineArt, Allosource; Speaker: Depuy Synthes, Globus Medical; Royalties: Depuy Synthes, Globus, SeaSpine

Larry Khoo, M.D. (S): Royalties: Zimmer Biomet, Aesculap Spine, Globus Medical

Leonard K. Kibuule, M.D. (S): Consultant: Medtronic, Stryker

Choll Kim, M.D., Ph.D. (S): Speaker: elliquence; Consultant: Lumenis, Spinal Elements; Royalty: Globus Medical, Stryker

Jeffrey Roh, M.D., M.B.A. (S, P): Consultant: Stryker, DePuy Synthes; Speaker: DePuy Synthes; Stock Shareholder: Advanced Biologics, Artross, Intuitive X, Amplify Surgical; Royalties: Stryker; Board Member: Amplify Surgical, Carlsmid

Christopher Yeung, M.D. (S): Royalties: Stryker, Globus Medical; Speaker: elliquence; Ownership Interest: Amplify, Advanced Biologics, Lattice Biologics, Bonobo, Mobius

The following planners and/or presenters (or their spouses/domestic partners) have/had no financial relationship with a commercial interest (*S = Speaker; P = Planner*)

Amir Abdul-Jabbar, M.D. (S, P); **Clifford Pierre, M.D.** (P); **Wilson Z. Ray, M.D.** (S); **Sean Keem, M.D.**, (S), **Linda Sahlin** (P); **Ashley Martin** (P)

All planners and presenters attested that their content suggestions and/or presentation(s) will provide a balanced view of therapeutic options and will be entirely free of promotional bias. All presentations have been reviewed by a planner with no conflicts of interest to ensure that the content is evidence-based and unbiased.

Online Resources

Course Evaluation

Please take a moment to complete our online evaluation. The below link will also be emailed to you. Your feedback helps to ensure the effectiveness of this CME activity, as well as improve future educational activities. All responses are considered anonymous.

<https://www.surveymonkey.com/r/MISVirtual2020>

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