



15th Annual SSF Spine Residents & Fellows Course
August 9-10, 2024
at the Seattle Science Foundation

Agenda

Friday, August 9, 2024
Lectures and Live Lab Demonstrations

- 7 a.m. **Registration & Breakfast**
- 7:15 a.m. **Welcome Course Overview & Seattle Science Foundation Overview**
Charles A. Sansur, M.D., Jens R. Chapman, M.D., & Rod Oskouian, Jr., M.D., & D. Kojo Hamilton, M.D.
- 7:25 a.m. **SIJ Disease: The Eye Only Sees What the Mind Knows?**
William Cross III, M.D.
- 7:45 a.m. **Lab Demonstration No. 1**
Odontoid Screws
Rod J. Oskouian, Jr., M.D.
- 8:15 a.m. **Endoscopic Spine Surgery**
Christoph Hofstetter, M.D., Ph.D.
- 8:35 a.m. **Lab Demonstration No. 2**
SI Joint True Fusion Techniques Using a Principles-Based Approach
William Cross III, M.D.
- 9:05 a.m. **Group Photo** (*meet in SSF lobby*)
- 9:20 a.m. **Surgical Management of Spine Tumors**
Ehud Mendel, M.D., M.B.A.
- 9:40 a.m. **Lab Demonstration No. 3**
C1-C2 Fixation
David Okonkwo, M.D., Ph.D.
- 10:10 a.m. **Robotics & Spine Surgery**
Richard Chua, M.D.

10:30 a.m. **Advanced Lateral Approaches to the Spine**
Juan S. Uribe, M.D.

10:50 a.m. **Break & Exhibits**

11 a.m. **Lab Demonstration No. 4**
Endoscopic Spine Surgery
Christoph Hofstetter, M.D., Ph.D.

11:30 a.m. **Lunch Break & Exhibits**

11:55 a.m. **Sacropelvic Fixation: Indications, Advanced Techniques, & Salvage Strategies**
Kristen Jones, M.D.

12:15 p.m. **Lab Demonstration No. 5**
Sacral Pelvic Techniques
Charles A. Sansur, M.D., MHSc

12:45 p.m. **Prone Transpsoas (PTP) is not Prone Lateral**
Luiz Pimenta, M.D., Ph.D.

1:05 p.m. **Lab Demonstration No. 6**
Thoracolumbar Junction
Kristen Jones, M.D.

1:35 p.m. **Failed Back Syndrome**
Charles A. Sansur, M.D., MHSc

1:55 p.m. **Lab Demonstration No. 7**
Tips & Tricks for MIS Thoracic Screw Placement
David L. Skaggs, M.D., MMM

2:25 p.m. **Anterior to Psoas and Lateral ALIF Approaches**
Martin Pham, M.D.

2:45 p.m. **Break & Exhibits**

3 p.m. **Lab Demonstration No. 8**
Robotic Placement of Pedicle Screws
Richard Chua, M.D.

3:30 p.m. **Spondyls in Teens and Young Adults: Advances & Pitfalls**
David L. Skaggs, M.D., MMM

3:50 p.m. **Lab Demonstration No. 9**
Prone Lateral Interbody Fusion
Luiz Pimenta, M.D., Ph.D.

4:20 p.m. **Spinal Cord Injury Research: A History of Misfortune** *(virtual)*
James S. Harrop, M.D.

4:40 p.m. **Lab Demonstration No. 10**
Single Position Surgery with Navigated Interbody with Robot
J. Patrick Johnson, M.D.

5:10 p.m. **Adjourn**

Saturday, August 10, 2024
Lectures and Hands-on BioSkills Lab

7 a.m. **Breakfast, Exhibits & Change into Scrubs**

7:30 a.m. **Essentials of Adult Spinal Deformity**
Jay Turner, M.D., Ph.D.

7:50 a.m. **Spinal Navigation**
J. Patrick Johnson, M.D.

8:10 a.m. **TBD**
Kai Ming Fu, M.D., Ph.D.

8:30 a.m. **Break, Exhibits & Change into Scrubs**

8:45 a.m. **Developing & Leading a High Functioning Surgical Team**
David L. Skaggs, M.D., MMM

9:10 a.m. **Cervical Thoracic Kyphosis: Surgical Approach, Complications & Management**
Jens R. Chapman, M.D.

9:35am. **Ergonomics In Spine Surgery: How Do We Prevent Becoming Our Own Patients?**
Philip Louie, M.D.

10 a.m. **Break, Exhibits & Change into Scrubs**

10:20 a.m. **MIS: Benefits and Limitations**
Amir Abdul-Jabbar, M.D.

10:40 a.m. **Avoiding Pitfalls in Cervical Deformity Surgery**
D. Kojo Hamilton, M.D.

11:05 a.m. **Management of Spinal Disorders in Athletes**
David Okonkwo, M.D., Ph.D.

- 11:25 a.m. **Intraoperative Complication Management**
Elizabeth Lord, M.D.
- 11:50 a.m. **Lunch Break & Exhibits**
- 12:10 p.m. **The Ten Commandments of Spine Surgery**
Jens R. Chapman, M.D.
- 12:30 p.m. **Break, Change into Scrubs and Transition to Hands-on BioSkills Lab**
- 12:40 p.m. **Hands-on BioSkills Lab** (Six - 40 minute rotations)
Moderators: *Rod J. Oskouiian, Jr., M.D. & Jens R. Chapman, M.D.*

Station 1a

Robotics & MIS Navigated Screw
*J. Patrick Johnson, M.D., &
Jay Turner, M.D., Ph.D.*

Station 1b

Robotics & MIS Navigated Screws
*Richard Chua, M.D. &
Martin Pham, M.D.*

Station 2a

Posterior Cervical
*Philip Louie, M.D. &
James S. Harrop, M.D.*

Station 2b

Posterior Cervical
*D. Kojo Hamilton, M.D. &
Kai Ming Fu, M.D., Ph.D.*

Station 3

Lateral Approaches to the Spine
*Luiz Pimenta, M.D., Ph.D. &
Juan S. Uribe, M.D.*

Station 4

**Lumbar Pelvic Fixation with
SI Joint Screws**
*William Cross, III, M.D. &
Charles A. Sansur, M.D., MHSc*

Station 5a

Thoracolumbar Techniques
*Amir Abdul-Jabbar, M.D. &
Elizabeth Lord, M.D.*

Station 5b

Thoracolumbar Techniques
*David Skaggs, M.D., MMM
Kristen Jones, M.D.*

- 4:30 p.m. **Adjourn**

DISTINGUISHED FACULTY

COURSE CHAIRMEN

Jens R. Chapman, M.D.
Complex Spine Surgeon
Swedish Neuroscience Institute
Seattle, Washington

D. Kojo Hamilton, M.D.
Professor, Neurological Surgery
Program Director, Neurological Surgery Residency
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Pittsburgh, Pennsylvania

David O. Okonkwo, M.D., Ph.D.
Professor, Neurological Surgery
Director, Neurotrauma Clinical Trials Center
Director, Scoliosis & Spinal Deformity
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Rod J. Oskouian Jr., M.D.
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Charles A. Sansur, M.D., MHSc
Professor, Neurosurgery and Orthopaedic Surgery
Program Director and Vice-Chair of Neurosurgery
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Baltimore, Maryland

Amir Abdul-Jabbar, M.D.
Orthopaedic Spine Surgeon
Swedish Neuroscience Institute
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Richard Chua, M.D., FAANS, FACS
Professor of Neurosurgery
Director, Minimally Invasive Spine
Surgery & Spinal Robotics
Banner Health
Tucson, Arizona

William Cross III, M.D.
Associate Professor
Mayo Clinic
Rochester, Minnesota

Kai Ming Fu, M.D., Ph.D.
Neurosurgeon
Och Spine at New York-Presbyterian at Weill Cornell
Medicine Center for Comprehensive Spine Care
New York, New York

James S. Harrop, M.D. (virtual)
Chief, Division of Spine &
Peripheral Nerve Surgery
Jefferson University Hospitals
Philadelphia, Pennsylvania

J. Patrick Johnson, M.D.
Director of the Institute for Spinal Disorders
Director of Education and Co-Director of the Spine
Stem Cell Research Program
Cedars-Sinai Medical Center
Los Angeles, California

Kristen Jones, M.D., FAANS
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Minneapolis, Minnesota

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Orthopaedic Spine Surgeon
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Executive Vice Chair, Neurosurgery
Division Chief, Spine, Neurosurgery
Yale Cancer Center
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San Diego, California

Luiz Pimenta, M.D., Ph.D.

Director
Instituto de Patologia da Coluna
Sao Paulo, Brazil

David L. Skaggs, M.D., MMM

Co-Director Spine Center
Exec Vice-Chair of Orthopaedics
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Jay Turner, M.D., Ph.D.

Neurosurgeon
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Phoenix, Arizona

Juan S. Uribe, M.D., FAANS

Professor of Neurosurgery
Chief Division of Spinal Disorders
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Surgical Demonstrations Supported by Swedish Neuroscience Institute Fellows.