



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

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| 7 a.m. | Registration & Breakfast |
| 7:15 a.m. | Welcome Course Overview & Seattle Science Foundation Overview
<i>Charles A. Sansur, M.D., Jens R. Chapman, M.D., & Rod Oskouian, Jr., M.D., & D. Kojo Hamilton, M.D. & David Okonkwo, M.D., Ph.D.</i> |
| 7:25 a.m. | SIJ Disease: The Eye Only Sees What the Mind Knows?
<i>William Cross III, M.D.</i> |
| 7:45 a.m. | Lab Demonstration No. 1
Odontoid Screws
<i>Rod J. Oskouian, Jr., M.D.</i> |
| 8:15 a.m. | Spinal Cord Injury Research: A History of Misfortune <i>(virtual)</i>
<i>James S. Harrop, M.D.</i> |
| 8:35 a.m. | Lab Demonstration No. 2
SI Joint True Fusion Techniques Using a Principles-Based Approach
<i>William Cross III, M.D.</i> |
| 9:05 a.m. | Group Photo <i>(meet in SSF lobby)</i> |
| 9:20 a.m. | Surgical Management of Spine Tumors <i>(virtual)</i>
<i>Ehud Mendel, M.D., M.B.A.</i> |
| 9:40 a.m. | Lab Demonstration No. 3
C1-C2 Fixation and Interfacet Fusion
<i>David Okonkwo, M.D., Ph.D.</i> |
| 10:10 a.m. | Advanced Lateral Approaches to the Spine
<i>Rod J. Oskouian, Jr., M.D.</i> |

10:30 a.m. **Break & Exhibits**

10:45 a.m. **Lab Demonstration No. 4**
Coflex Demo
David Yeh, M.D.

11:15 a.m. **Sacropelvic Fixation: Indications, Advanced Techniques, & Salvage Strategies**
Kristen Jones, M.D.

11:35 a.m. **Lab Demonstration No. 5**
Sacral Pelvic Techniques
Charles A. Sansur, M.D., MHSc

12:05 p.m. **Lunch Break & Exhibits**

12:35 p.m. **Robotics & Spine Surgery**
Richard Chua, M.D.

12:55 p.m. **Lab Demonstration No. 6**
Single Position Surgery with Navigated Interbody with Robot
J. Patrick Johnson, M.D.

1:25 p.m. **Cervical Motion Preservation: To Replace or Not Replace**
Charles A. Sansur, M.D., MHSc

1:45 p.m. **Lab Demonstration No. 7**
Robotic Assisted MIS Fixation of Spondylolysis
David L. Skaggs, M.D., MMM

2:15 p.m. **Anterior to Psoas and Lateral ALIF Approaches**
Martin Pham, M.D.

2:35 p.m. **Break & Exhibits**

2:50 p.m. **Lab Demonstration No. 8**
Robotic Placement of Pedicle Screws
Richard Chua, M.D.

3:10 p.m. **Spondys in Teens and Young Adults: Advances & Pitfalls**
David L. Skaggs, M.D., MMM

3:30 p.m. **Lecture & Lab Demonstration No. 9**
Prone Transpsoas (PTP) is Not Prone Lateral
Luiz Pimenta, M.D., Ph.D.

4:10 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. **Indications & Techniques for Occipital to Cervical Fusion**
Kai Ming Fu, M.D., Ph.D.

8:30 a.m. **Developing & Leading a High Functioning Surgical Team**
David L. Skaggs, M.D., MMM

8:50 a.m. **Cervical Thoracic Kyphosis: Surgical Approach, Complications & Management**
Jens R. Chapman, M.D.

9:10 a.m. **Ergonomics In Spine Surgery: How Do We Prevent Becoming Our Own Patients?**
Philip Louie, M.D.

9:30 a.m. **Break, Exhibits & Change into Scrubs**

9:45 a.m. **MIS: Benefits and Limitations**
Amir Abdul-Jabbar, M.D.

10:05 a.m. **Avoiding Pitfalls in Cervical Deformity Surgery**
D. Kojo Hamilton, M.D.

10:25 a.m. **Management of Spinal Disorders in Athletes**
David Okonkwo, M.D., Ph.D.

10:45 a.m. **Intraoperative Complication Management**
Elizabeth Lord, M.D.

11:05 a.m. **Break, Exhibits & Change into Scrubs**

11:20 a.m. **The Ten Commandments of Spine Surgery**
Jens R. Chapman, M.D.

11:40 a.m. **Lunch Break & Exhibits**

12:10 p.m. **NEW TALK**

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)
Moderator: *Jens R. Chapman, M.D.*

Station 1a
Robotics & MIS Navigated Screws
*J. Patrick Johnson, M.D., &
Jay Turner, M.D., Ph.D.*

Station 2a
Posterior Cervical
*Philip Louie, M.D. &
David Okonkwo, M.D., Ph.D.*

Station 3
Lateral Approaches to the Spine
*Luiz Pimenta, M.D., Ph.D. &
Rod J. Oskouian, Jr., M.D.*

Station 5a
Thoracolumbar Techniques
*Amir Abdul-Jabbar, M.D. &
Elizabeth Lord, M.D.*

Station 1b
Robotics & MIS Navigated Screws
*Richard Chua, M.D. &
Martin Pham, M.D.*

Station 2b
Posterior Cervical
*D. Kojo Hamilton, M.D. &
Kai Ming Fu, M.D., Ph.D.*

Station 4
**Lumbar Pelvic Fixation with
SI Joint Screws**
*William Cross, III, M.D. &
Charles A. Sansur, M.D., MHSc*

Station 5b
Thoracolumbar Techniques
*David Skaggs, M.D., MMM
Kristen Jones, M.D.*

4:40 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
University of Pittsburgh
Pittsburgh, Pennsylvania

David O. Okonkwo, M.D., Ph.D.

Professor, Neurological Surgery
Director, Neurotrauma Clinical Trials Center
Director, Scoliosis & Spinal Deformity
University of Pittsburgh
Pittsburgh, Pennsylvania

Rod J. Oskouian Jr., M.D.

Chief of Spine
Swedish Neuroscience Institute
Seattle, Washington

Charles A. Sansur, M.D., MHSc

Professor, Neurosurgery and Orthopaedic Surgery
Program Director and Vice-Chair of Neurosurgery
University of Maryland
Baltimore, Maryland

Amir Abdul-Jabbar, M.D.

Orthopaedic Spine Surgeon
Swedish Neuroscience Institute
Seattle, Washington

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

Assistant Professor
University of Minnesota
Minneapolis, Minnesota

Elizabeth Lord, M.D.

Assistant Professor of Orthopaedic & Neurosurgery
University of California, Los Angeles
Santa Monica, California

Philip Louie, M.D.

Orthopaedic Spine Surgeon
Virginia Mason Franciscan Health
Seattle, Washington

Ehud Mendel, M.D., M.B.A. (virtual)

Nixdorff-German Professor of Neurosurgery
Executive Vice Chair, Neurosurgery
Division Chief, Spine, Neurosurgery
Yale Cancer Center
New Haven, Connecticut

Martin Pham, M.D.

Assistant Professor of Neurological Surgery
University of California San Diego
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
Cedars-Sinai Medical Center
Los Angeles, California

Jay Turner, M.D., Ph.D.

Neurosurgeon
Barrow Neurological Institute
Phoenix, Arizona

David J. Yeh, M.D.

Neurosurgeon
Central Coast Surgical
San Luis Obispo, California

Surgical Demonstrations Supported by Swedish Neuroscience Institute Fellows.