



**15<sup>th</sup> 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.       **Spinal Cord Injury Research: A History of Misfortune (virtual)**  
*James S. Harrop, M.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.       **Robotics & Spine Surgery**  
*Richard Chua, M.D.*
- 9:40 a.m.       **Lab Demonstration No. 3**  
**C1-C2 Fixation and Interfacet Fusion**  
*Jens R. Chapman, M.D.*
- 10:10 a.m.     **Advanced Lateral Approaches to the Spine**  
*Rod J. Oskouian, Jr., M.D.*

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

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

11:15 a.m. **Spondyls in Teens and Young Adults: Advances & Pitfalls**  
*David L. Skaggs, M.D., MMM*

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. **Surgical Management of Spine Tumors (virtual)**  
*Ehud Mendel, M.D., M.B.A.*

12:55 p.m. **Lecture & Lab Demonstration No. 6  
Prone Transposas (PTP) is Not Prone Lateral**  
*Luiz Pimenta, M.D., Ph.D.*

1:25 p.m. **Anterior to Psoas and Lateral ALIF Approaches (virtual)**  
*Martin Pham, M.D.*

1:45 p.m. **Lab Demonstration No. 7  
Single Position Surgery with Navigated Interbody with Robot**  
*J. Patrick Johnson, M.D.*

2:15 p.m. **Avoiding Pitfalls in Cervical Deformity Surgery**  
*D. Kojo Hamilton, M.D.*

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

2:50 p.m. **Lab Demonstration No. 8  
Robotic Assisted MIS Fixation of Spondylolysis**  
*David L. Skaggs, M.D., MMM*

3:20 p.m. **Cervical Motion Preservation: To Replace or Not Replace**  
*Charles A. Sansur, M.D., MHSc*

3:40 p.m. **Lab Demonstration No. 9  
Robotic Placement of Pedicle Screws**  
*Richard Chua, M.D.*

- 4:10 p.m. **Adjourn**
- 5-6:30 p.m. **Resident & Fellow Happy Hour at Stoup Brewing – 1158 Broadway, Seattle**

**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. **Sacropelvic Fixation: Indications, Advanced Techniques, & Salvage Strategies**  
*Kristen Jones, M.D.*
- 10:25 a.m. **Management of Spinal Disorders in Athletes (virtual)**  
*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 & Change Into Scrubs**
- 12:10 p.m. **Endoscopic Spine Surgery**  
*Phillip Louie, 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)  
**Moderator:** *Jens R. Chapman, M.D.*

**Station 1a**  
**Robotics & MIS Navigated Screws**  
*J. Patrick Johnson, M.D., &  
Rod J. Oskouian, Jr., M.D.*

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

**Station 2**  
**Cervical Screw Fixation**  
*Charles A. Sansur, M.D., MHSc. &  
D. Kojo Hamilton, M.D.*

**Station 3**  
**Endoscopic Spine Surgery**  
*Kai Ming Fu, M.D., Ph.D. &  
Phillip Louie, M.D.*

**Station 4**  
**Lateral Approaches to the Spine**  
*Jay Turner, M.D., Ph.D.*

**Station 5**  
**Lumbar Pelvic Fixation with  
SI Joint Screws**  
*William Cross, III, M.D. &  
Jens R. Chapman, M.D.*

**Station 6a**  
**Thoracolumbar Techniques**  
*Kristen Jones, M.D., &  
Amir Abdul-Jabbar, M.D.*

**Station 6b**  
**Thoracolumbar Techniques**  
*Elizabeth Lord, M.D., &  
David Skaggs, M.D., MMM*

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. (virtual)**  
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.**  
Professor of Neurological Surgery  
Weill Cornell Medical College  
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**  
Associate Professor of Neurosurgery  
and Orthopaedic Surgery  
Duke University Medical Center  
Durham, North Carolina

**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. (virtual)**  
Assistant Professor of Neurological Surgery  
University of California San Diego  
San Diego, California

**David L. Skaggs, M.D., MMM**  
Co-Director Spine Center  
Exec Vice-Chair of Orthopaedics  
Cedars-Sinai Medical Center  
Los Angeles, California

**David J. Yeh, M.D.**  
Neurosurgeon  
Central Coast Neurological Surgery  
San Luis Obispo, California

**Luiz Pimenta, M.D., Ph.D.**  
Director  
Instituto de Patologia da Coluna  
Sao Paulo, Brazil

**Jay Turner, M.D., Ph.D.**  
Neurosurgeon  
Barrow Neurological Institute  
Phoenix, Arizona

**Surgical Demonstrations Supported by Swedish Neuroscience Institute Fellows.**