8th Annual SSF Spine Masters Course
Saturday, June 20, 2020
at the Seattle Science Foundation

7 a.m.  Registration and Breakfast

7:25 a.m.  Welcome and Introduction
Rod J. Oskouian, Jr., M.D., & Jens R. Chapman, M.D.

7:30 a.m.  MIS Expandable Cages
Larry Khoo, M.D.
Objectives:
• Illustrate the applicability of the expandable cage to MIS surgery
• Demonstrate how the expandable cage is surgically used
• Indicate limitations to its use, including anatomic considerations and pitfalls

8 a.m.  Live Demonstration Broadcast from BioSkills Lab No. 1 (not for CME credit)
Reconstruction of Lumbosacral Junction
Jens R. Chapman, M.D.

8:40 a.m.  Role of Robotics in Spinal Surgery
Andrew Manista, M.D.
Objectives:
• List the predictable challenges using robots in spine surgery
• Outline the safeguards needed in robotic spine surgery
• Debate whether robotic surgery is safer than non-robotic surgery

9:05 a.m.  Complex Revisions in Anterior Cervical Spine Surgery
Jens R. Chapman, M.D.
Objectives:
• Summarize the challenges of CSS
• Identify the pros and cons of cervical deformity correction
• Explain how to avoid complications with complex spine revisions

9:30 a.m.  Break & Exhibits

9:45 a.m.  Live Demonstration Broadcast from BioSkills Lab No. 2 (not for CME credit)
Robotic Pedicle Screw Placement
Andrew Manista, M.D.

10:25 a.m.  Flipping the Sequence: Posterior First with Delayed Anterior Fusion for Adult Spinal Deformity
Robert Hart, M.D.
Objectives:
• Outline the indications, timing and techniques of delayed anterior fusion following posterior realignment and stabilization for thoraco-lumbar deformity patients
• Summarize the potential benefits in terms of fusion rates and reduction of peri-operative complications through this approach
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:50 a.m.</td>
<td><strong>Technology Integration in the Operating Room</strong></td>
<td>J. Patrick Johnson, M.D.</td>
</tr>
<tr>
<td></td>
<td><strong>Objectives:</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Describe the benefits of navigation in spine surgery</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Recognize the challenges of relying on spine navigation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Assess future possibilities with navigation and spine surgery</td>
<td></td>
</tr>
<tr>
<td>11:15 a.m.</td>
<td><strong>Live Demonstration Broadcast from BioSkills Lab No. 3</strong> (not for CME credit)</td>
<td>Osteotomy Techniques and Proximal Junctional Kyphosis Prevention in Adult Spinal Deformity</td>
</tr>
<tr>
<td>11:55 p.m.</td>
<td>Break &amp; Pick up Lunch</td>
<td></td>
</tr>
<tr>
<td>12:10 p.m.</td>
<td><strong>Live Demonstration Broadcast from BioSkills Lab No. 4</strong> (not for CME credit)</td>
<td>Thoracic Lateral Approach (working lunch)</td>
</tr>
<tr>
<td>12:50 p.m.</td>
<td><strong>Spinal Cord Tumors</strong></td>
<td>David Newell, M.D.</td>
</tr>
<tr>
<td></td>
<td><strong>Objectives:</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Identify spinal cord anatomy and key surrounding structures</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Illustrate factors that can compromise the cord with regards to spinal cord tumors</td>
<td></td>
</tr>
<tr>
<td>1:15 p.m.</td>
<td><strong>New Approaches in Adolescent Deformity Correction Surgery</strong></td>
<td>David L. Skaggs, M.D., MMM</td>
</tr>
<tr>
<td></td>
<td><strong>Objectives:</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Describe surgical techniques for adolescent deformity correction surgery</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Assess anatomic considerations for adolescent deformity correction surgery</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Outline timing and indications for adolescent deformity correction surgery</td>
<td></td>
</tr>
<tr>
<td>1:40 p.m.</td>
<td>Break &amp; Exhibits</td>
<td></td>
</tr>
<tr>
<td>1:55 p.m.</td>
<td><strong>Live Demonstration Broadcast from BioSkills Lab No. 5</strong> (not for CME credit)</td>
<td>Use of Temporary Rods for Correction of the Really Big Curves</td>
</tr>
<tr>
<td>2:35 p.m.</td>
<td><strong>Minimally Invasive Management of Degenerative Adult Scoliosis</strong></td>
<td>Jeffrey S. Roh, M.D., M.B.A.</td>
</tr>
<tr>
<td></td>
<td><strong>Objectives:</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Determine when surgery is indicated in degenerative adult scoliosis</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Describe common complications and avoidance techniques</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- List surgical fixation options</td>
<td></td>
</tr>
<tr>
<td>3 p.m.</td>
<td><strong>Live Demonstration Broadcast from BioSkills Lab No. 6</strong> (not for CME credit)</td>
<td>Live Robotic Surgery</td>
</tr>
<tr>
<td>3:40 p.m.</td>
<td>Break, Exhibits and Change into Scrubs</td>
<td></td>
</tr>
<tr>
<td>3:55 p.m.</td>
<td><strong>Live Demonstration Broadcast from BioSkills Lab No. 7</strong> (not for CME credit)</td>
<td>Quad Rods, Kickstand and Double Pelvic Fixation for Severe Spinal Deformities</td>
</tr>
</tbody>
</table>
Hands-On BioSkills Lab

All Faculty

Practice the following procedures:
- Robotic spine surgery
- Spinal navigation
- Posterior osteotomy
- MIS posterior fixation techniques
- Correct severe curves in the spine

Objectives:
- Perform spinal reconstruction procedures
- Identify anatomic considerations for each procedure
- Demonstrate surgical techniques for each procedure

Adjourn

DISTINGUISHED FACULTY

Amir Abdul-Jabbar, M.D.
Orthopaedic Spine Surgeon
Swedish Neuroscience Institute
Seattle, Washington

M. D.
Course Co-Chair
Jens R. Chapman, M.D.
Complex Spine Surgeon
Swedish Neuroscience Institute
Seattle, Washington

Robert A. Hart, M.D.
Orthopaedic Surgeon
Swedish Neuroscience Institute
Seattle, Washington

J. Patrick Johnson, M.D.
Director, Neurosurgery Spine Fellowship Program
Cedars-Sinai
Los Angeles, California

Larry Khoo, M.D.
Neurosurgeon
Spine Clinic of Los Angeles
Los Angeles, California

Andrew Manista, M.D.
Orthopedic Spine Surgeon
Olympia Orthopedic Associates
Olympia, Washington

David Newell, M.D.
Neurosurgeon
Seattle Neuroscience Institute
Seattle, Washington

Rod J. Oskouian, Jr., M.D., FAANS
Course Co-Chair
Chief of Spine
Swedish Neuroscience Institute
Seattle, Washington

Paul Park, M.D.
Director, Neurosurgery Spine Program
Professor, Neurological Surgery
Professor, Orthopaedic Surgery
University of Michigan
Ann Arbor, Michigan

Martin H. Pham, M.D.
Assistant Professor of Neurosurgery
University of California San Diego
San Diego, California

Jeffrey S. Roh, M.D., M.B.A.
Chief of Spine
Swedish Neuroscience Institute
Seattle, Washington

David L. Skaggs, M.D., MMM
Chief of Orthopaedic Surgery
Director of Spine Surgery
Children’s Hospital of Los Angeles
Professor of Surgery Keck School of Medicine of USC
Los Angeles, California