



**3<sup>rd</sup> Annual Image Guided Interventional  
Spine Procedures Course**  
Saturday, May 25, 2024

6:30 a.m.      **Registration & Breakfast**

7 a.m.          **Welcome & Introduction**  
*Douglas P. Beall, M.D*

**SECTION 1: POSTERIOR ELEMENTS**

7:05 a.m.      **Live Demonstration Broadcast from BioSkills Lab No. 1**  
**Radiofrequency Ablation**  
*Tyler Phillips, M.D.*  
**Objectives:**

- Demonstrate radiofrequency ablation
- Provide pearls for radiofrequency ablation
- Outline the limitations of radiofrequency ablation

7:35 a.m.      **Q & A**

7:40 a.m.      **Live Demonstration Broadcast from BioSkills Lab No. 2**  
**Interspinous Decompression Spacers**  
*John Hathaway, M.D.*  
**Objectives:**

- Demonstrate interspinous decompression spacers
- Provide pearls of interspinous decompression spacers
- Outline the limitations of interspinous decompression spacers

8:10 a.m.      **Q & A**

8:15 a.m.      **Live Demonstration Broadcast from Bioskills Lab No. 3**  
**Accuracy of Augmented Reality Surgical Navigation for Percutaneous Vertebral  
Kyphoplasty in the Lumbar Spine**  
*Gavin Nixon, D.O.*  
**Objectives:**

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8:45 a.m. **Advances in Peripheral Stimulation**

Daniel Nelson, M.D.

**Objectives:**

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9:00 a.m. **Q & A**

9:05 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 4**

**Advances in Spinal Cord Stimulation**

*John Hathaway, M.D.*

**Objectives:**

- Demonstrate advantages of different spinal cord stimulation technologies
- Outline limitations and pearls of spinal cord stimulation

9:35 a.m. **Q & A**

9:40 a.m. **Break and Exhibits** (*not for CME credit*)

**SECTION 2: INTRASPINAL ELEMENTS**

9:50 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 5**

**SI Joint Fusion**

*Douglas Beall, M.D.*

**Objectives:**

- Demonstrate SI-joint fusion
- Provide pearls for SI-joint fusion
- Outline the limitations of SI-joint fusion
  1. *Posterior Approach*
  2. *Posteriolateral Approach*
  3. *Lateral Approach*

**SECTION 3: ANTERIOR ELEMENTS**

10:20 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 6**

**Intradiscal Approaches for Regenerative Therapies:  
Intradiscal Cellular Therapy**

*Douglas P. Beall, M.D.*

**Objectives:**

- Describe the background of regenerative technology for intradiscal procedures
- Outline the advantages and disadvantages of regenerative therapy for intradiscal procedures

10:50 a.m. **Q & A**

10:55 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 7**  
**Basivertebral Nerve Ablation: Anterior Column Procedure**

*Glen David, M.D.*

**Objectives:**

- Describe how the Intracept System enables a physician to effectively target and ablate the basivertebral nerve to provide relief of vertebrogenic chronic lower back pain (CLBP)
- Explain a demonstration of how a physician uses the Intracept Access Instruments to create a path to the basivertebral nerve (BVN) and uses proprietary radiofrequency (RF) ablation technology to ablate the BVN

11:25 a.m. **Q & A**

11:30 a.m. **Intrathecal Drug Delivery: The Need For More Options**

*John Hatheway, M.D.*

**Objectives:**

- Determine the optimal dosing strategy for low-dosing intrathecal drug delivery
- Define the cost effectiveness of intrathecal drug delivery

11:50 a.m. **Q & A**

**SECTION 4: OPTIMIZING SURGICAL TECHNIQUE & MAKING EXISTING SPINE SURGERIES LESS INVASIVE**

11:55 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 8**  
**Latest Techniques in Vertebral Augmentation Side-by-Side**

*Douglas P. Beall, M.D., & Glen David, M.D.*

**Objectives:**

- Demonstrate the latest techniques in vertebral augmentation
- Provide pearls for vertebral augmentation
- Outline the limitations of vertebral augmentation

12:25 p.m. **Q & A**

12:30 p.m. **Lunch Break & Exhibits** (*not for CME credit*)

12:50 p.m. **Collaboration and Spine Care Principles**

*Neal Shonnard, M.D. & Jens R. Chapman, M.D.*

**Objectives:**

- Describe the essentials of successful collaboration
- Provide examples of successful collaboration

1:10 p.m. **Q & A**

1:15 p.m. **Minifying Existing Surgical Techniques: Barriers to Credentialing, Coding, and Reimbursement**

*Douglas P. Beall, M.D.*

**Objectives:**

- Explain the necessary qualifications for the purpose of obtaining procedural credentials at one's local facility
- Evaluate essential elements of a procedure for the purpose of ensuring proper code assignment
- Outline the differences between an open surgical technique and a minimally invasive or percutaneous technique as they apply to coding and reimbursement

1:35 p.m. **Q & A**

1:40 p.m. **Break, Exhibits & Change into Scrubs** (*not for CME credit*)

**SECTION 5: HANDS-ON BIOSKILLS LAB**

1:50 p.m. **Hands-On BioSkills Lab** (*30 minute rotations*)

*All Faculty*

1. SI Joint (posterior approach)
2. SI joint (lateral oblique approach)
3. Augmented reality
4. Radiofrequency ablation
5. Vertebral augmentation & Kyphoplasty
6. Minimally Invasive Lumbar Decompression
7. Interspinous decompression spacers
8. Percutaneous placement of epidural leads

**Objectives:**

1. Practice the following techniques: SI-joint fusion (posterior & lateral); augmented reality, radiofrequency ablation; vertebral augmentation & kyphoplasty; minimally invasive lumbar decompression; Interspinous decompression spacers and percutaneous placement of epidural leads.

5:00 p.m. **Adjourn**

## ESTEEMED FACULTY

**Glen David, M.D.**

**Course Co-Chair**

Interventional Pain Management  
Director Interventional Spine  
Swedish Neuroscience Institute  
Seattle, Washington

**Douglas P. Beall, M.D.**

**Course Co-Chair**

Interventional Radiology  
Chief of Radiology Services  
Clinical Radiology of Oklahoma  
Oklahoma City, Oklahoma

**Jens R. Chapman, M.D.**

Complex Spine Surgeon  
Swedish Neuroscience Institute  
Seattle, Washington

**Jacob Fleming, M.D.**

Spine/MSK Interventional Radiology Fellow  
Clinical Radiology of Oklahoma  
Oklahoma City, Oklahoma

**John Hatheway, M.D.**

Pain Management Specialist  
Northwest Pain Care, Inc.  
Spokane, Washington

**Dan Nelson, M.D.**

Interventional Pain Management Physician  
Proliance Surgeons  
Kirkland, Washington

**Gavin Nixon, D.O.**

Interventional Spine and Physiatry  
Electrodiagnostic Medical Associates of Puget  
Sound  
Tacoma, Washington

**Tyler Philips, M.D.**

Interventional Spine & Pain Management  
Radiology Family Medicine  
Oklahoma City, Oklahoma

**Neal H. Shonnard, M.D.**

Orthopaedic Surgeon  
Rainier Orthopedic Institute  
Puyallup, Washington