



## 4th Annual Image Guided Interventional Spine Procedures Course

Saturday, May 17, 2025

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

7 a.m. **Welcome & Course Overview**

*Douglas P. Beall, M.D, Glen David, M.D., Pratik Gandhi, M.D., & Chad Stephens, M.D.*

### **SECTION 1: POSTERIOR ELEMENTS**

7:05 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 1**  
**Radiofrequency Ablation**

*TBD*

**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** (not livestreamed)  
**Interspinous Decompression Spacers**

*Glen David, M.D.*

**Objectives:**

- Demonstrate interspinous decompression spacers
- Provide pearls for 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**  
**Intradiscal Approach to Regenerative Therapies**

*Douglas P. Beall, M.D.*

**Objectives:**

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

- 8:45 a.m.      **Advances in Peripheral Stimulation**  
TBD  
**Objectives:**
- Describe the latest research and applications
  - Outline new technological innovations

9:00 a.m.      **Q & A**

- 9:05 a.m.      **Live Demonstration Broadcast from BioSkills Lab No. 4**  
**Advances in Spinal Cord Stimulation**  
*Glen David, M.D.*  
**Objectives:**
- Demonstrate advantages of different spinal cord stimulation technologies
  - Outline the 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 - Posterior, Posterolateral & Lateral Approaches**  
*Douglas Beall, M.D.*  
**Objectives:**
- Demonstrate SI-joint fusion
  - Provide pearls for SI-joint fusion
  - Outline the limitations of SI-joint fusion

## **SECTION 3: ANTERIOR ELEMENTS**

- 10:20 a.m.      **Accuracy of Augmented Reality Surgical Navigation for Percutaneous Vertebral Kyphoplasty in the Lumbar Spine**  
*Gavin Nixon, D.O.*  
**Objectives:**
- Assess the precision and efficacy of augmented reality
  - Explore the clinical implications and potential advantages of utilizing AR technology in percutaneous vertebral kyphoplasty surgeries

10:50 a.m.      **Q & A**

10:55 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 6**  
**Basivertebral Nerve Ablation (BVN): Anterior Column Procedure**

*Pratik Gandhi, M.D.*

**Objectives:**

- Describe how BVN enables a physician to effectively target and ablate the basivertebral nerve to provide relief of vertebrogenic chronic lower back pain
- Explain how a physician uses BVN to create a path to the basivertebral nerve and uses radiofrequency ablation technology to ablate the basivertebral nerve

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

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

*Douglas Beall, 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**

11:55 a.m. **Break & Exhibits** (*not for CME credit*)

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

12:10 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 7**  
**Latest Techniques in Vertebral Augmentation**

*Douglas P. Beall, M.D.*

**Objectives:**

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

12:35 p.m. **Q & A**

12:40 p.m. **Lunch Break & Exhibits** (*not for CME credit*)

12:50 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

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

**1:15 p.m. Live Demonstration Broadcast from the BioSkills Lab No. 8**  
**Minimally Invasive Tenotomy**  
Chad Stephens, M.D.

1:35 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

1:55 p.m. **Q & A**

**2:00 p.m. Live Demonstration Broadcast from BioSkills Lab No. 9**  
**Peripheral Nerve Stimulation**  
*Douglas P. Beall, M.D.*

**Objectives:**

- Describe the principles of peripheral nerve stimulation
- Illustrate skills in stimulation protocols and techniques
- Interpret stimulation data

2:25 p.m. **Q & A**

2:30 p.m. **Break, Exhibits & Change into Scrubs** (*not for CME credit*)

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

2:40 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. Peripheral Nerve Stimulation

**Objectives:**

- Practice the following techniques: SI-joint fusion (posterior & lateral); augmented reality, radiofrequency ablation; vertebral augmentation & kyphoplasty; minimally

invasive lumbar decompression; Interspinous decompression spacers, and peripheral nerve stimulation.

6:40 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

**Pratik Gandhi, D.O.**  
**Course Co-Chair**

Physical Medicine & Rehabilitation Specialist  
Optumcare Medical Group  
Anaheim, California

**Chad Stephens, D.O.**  
**Course Co-Chair**

Interventional Pain Management & Sports  
Medicine  
Physician Partners of America  
Dallas, Texas

**Ryan Budwany, M.D.**

Interventional Pain & Functional Medicine  
Specialist  
West Virginia University  
Morgantown, West Virginia

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

Complex Spine Surgeon  
Swedish Neuroscience Institute  
Seattle, Washington

**Gavin Nixon, D.O.**

Interventional Spine and Physiatry  
Electrodiagnostic Medical Associates  
of Puget Sound  
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**Neal H. Shonnard, M.D.**

Orthopaedic Surgeon  
Rainier Orthopedic Institute  
Puyallup, Washington