



SPINE Mentor™

A VIRTUAL REALITY TRAINING SIMULATOR FOR MINIMAL INVASIVE SPINE SURGERY

The SPINE Mentor offers true-to-life training of Minimally Invasive Spine Surgeries.

The combination of realistic materials, physical spine model and advanced virtual reality capabilities enables to simulate a full procedure with a high accuracy and realistic sensation.

The simulator is suitable for anesthesiologists, orthopedic surgeons, and pain medicine surgeons.





SPINE MENTOR ELIMINATES THE NEED TO PRACTICE WITH REAL FLUOROSCOPY IN A SAFE BUT REALISTIC ENVIRONMENT

Features and Benefits:

- 3D printed spine for accurate palpation
- Highly realistic puncture pad for practicing needle penetration
- Real time simulated fluoroscopic image that displays the entire spine
- Virtual C-arm that can be manipulated throughout the procedure
- Dynamic haptics that simulate anatomic obstacles
- Evaluation report with metrics on the user's performance

Platform:

- 3D printed spine
- Realistic puncture pad that simulates the patient's back
- C-arm controllers
- Monitor
- Computer box
- Foot pedal
- 2 needles
- Loss of resistance sensor and syringe
- Percutaneous leads