![More Than Simulators™ logo — Excellence. Every patient. Every time.](logo)
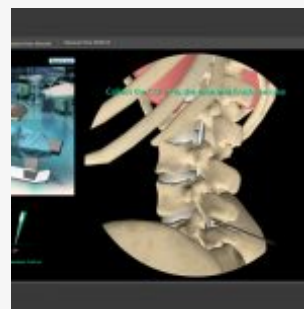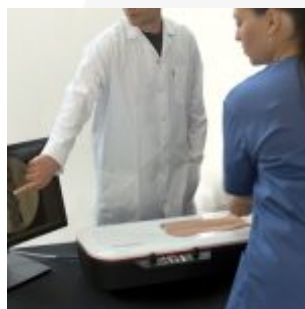
Spine Mentor - Minimally Invasive Surgery

PRODUCT NUMBER: 1644

DESCRIPTION:

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, and pain medicine surgeons**.

SKILLS:

- Practice the implementation of up to 4 electrodes in the epidural space
- 4 cases with different anatomical variations

- Loss of resistance technique and dynamic force feedback
- Practice safe insertion of a spine needle to the Subarachnoid space
- Position the patient in a Lateral Recumbent Position
- Accurate tracking on needle stylet for periodical checks for CSF flow

CASES AND PATHOLOGIES:

SPINAL CORD STIMULATION (SCS):

- Accurate palpation of the spine
- Realistic resistance during needle puncture
- Real time virtual fluoroscopic guidance
- Virtual C-arm
- Usage of LOR technique
- Enables the insertion of up to 4 leads simultaneously (2 virtual, 2 physical)
- Dynamic haptics that simulate anatomic obstacles
- 3D anatomical map and labels
- Visual indicators of needle angle and penetration depth

LUMBAR PUNCTURE:

- Practice safe insertion of a spine needle to the Subarachnoid space
- Position the patient in a Lateral Recumbent Position
- Accurate tracking on needle stylet for periodical checks for CSF flow

CHARACTERISTICS:

FEATURES:

- 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
- Prone or lateral recumbent position of the patient

ADDITIONAL MODULES:

MENTOR LEARN MANAGEMENT SYSTEM (optional):

- Customizable curriculum incorporating training and didactics
- Easy and efficient administration of simulator users
- Online learning courses and video-based content
- Proficiency based hands-on training
- Performance reports with learning curve graphs
- Recorded videos of the simulation sessions for debriefing

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