UpSurgeOn

A complete Training System for Spine Surgery

Spine Series

Anterior Cervical Box
Levels from C3 to C7

Posterior Cervical Box
Levels from C2 to C6

Thoracolumbar Box
Levels from T8 to S1

Posterior Lumbar Box
Levels from L1 to S1

Anterior Lumbar Box
Levels from L2 to S1

Endoscopy Lumbar Box
Levels from L1 to S1
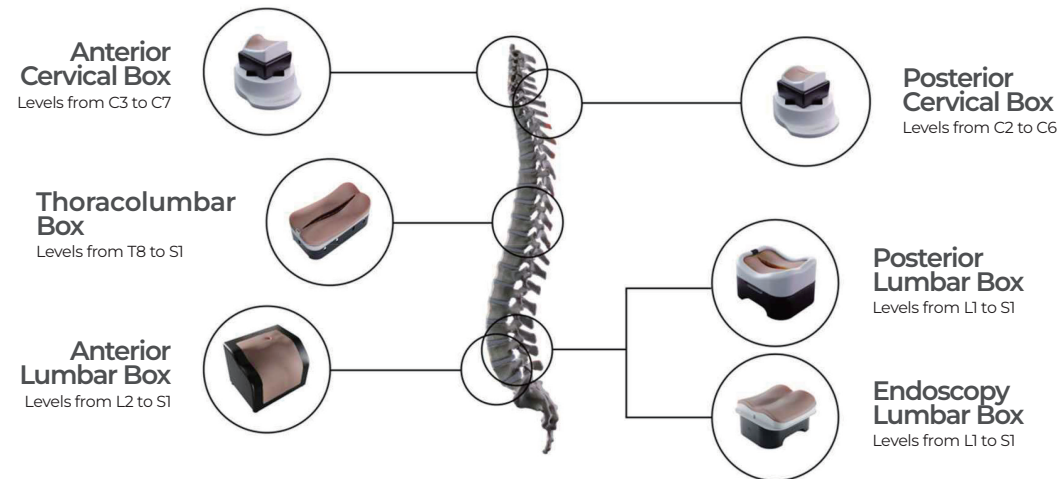
Endoscopic LumbarBox

Why this is the best simulator in the world

Highly Cost-Effective
10 operable levels in 1 single simulator

Hyper-realistic
The most realistic exprience ever seen in endoscopic training

Smart Water Management System
An irrigation system to ensure an easy handling of high water flows

The first Mobile X-Ray in the Market
An App to simulate fluoroscopy using your mobile device

Compatible with Standard Imaging
Fully Compatible with standard X-Ray, and CT imaging

Highly Cost-Effective

The most extended in the market: from L1 to S1

10 OPERABLE LEVELS

Left Side

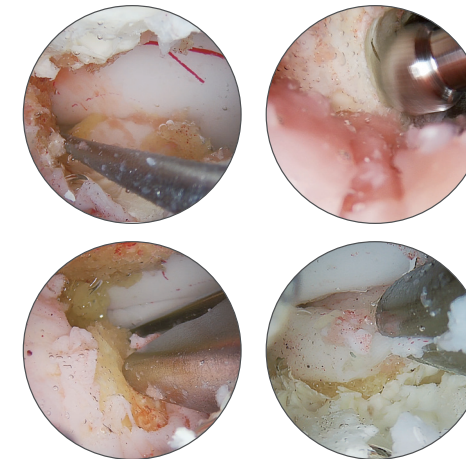5 Translaminar Discectomies
OR
5 Transforaminal Discectomies

Right Side

5 Translaminar Discectomies
OR
5 Transforaminal Discectomies

Hyper-realistic

The most realistic experience in endoscopic training

1. Ultra-accurate anatomy
2. Hyper-realistic materials
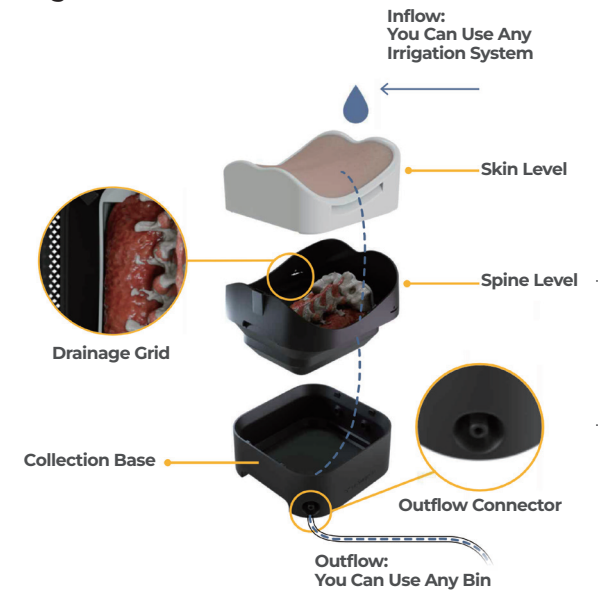3. Designed for wet and dry simulation

ANATOMY

- Skin
- Subcutaneous fat
- Paravertebral muscles
- Vertebras from L1 to S1
- Flavum Ligament
- PLL (Posterior Longitudinal Ligament)
- ALL (Anterior Longitudinal Ligament)
- Spinal cord
- Nerve roots
- Peridural fat

PROCEDURES

- PELD (Percutaneous Endoscopic Lumbar Discectomy)
- TELD (Transforaminal Endoscopic Lumbar Discectomy)
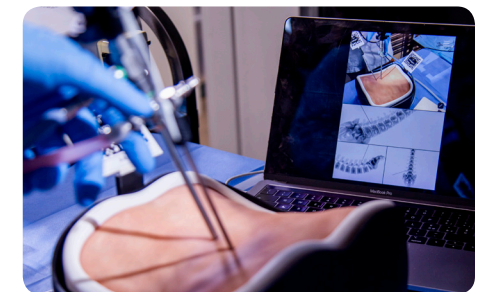- Monoportal and biportal procedures

Smart Water Management System

Integrated Water Collection

Inflow:
You Can Use Any Irrigation System

Skin Level

Spine Level

Drainage Grid

Collection Base

Outflow Connector

Outflow:
You Can Use Any Bin

The First Mobile X-Ray in the Market

An App to simulate fluoroscopy using your mobile device

Mobile X-Ray

The Endoscopic LumbarBox is designed to seamlessly integrate with Mobile X-Ray technology through the Neurosurgery App.

- Real-time X-Ray imaging
- Identification of radiological landmarks
- Real-time visualization of needle placement
- Adaptable to your surgical instruments
- Accessible on every device