

# Anterior-Lateral LumbarBox

Anterior, Oblique and Lateral Approaches to the Lumbar Spine

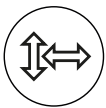
From L2 to S1



## Pathologies

Multilevel Discopathy.

## Features



### Dual Surgical Positions

The simulator is designed to simulate both supine and lateral positions, facilitating the simulation of all oblique and lateral anterior approaches to the lumbosacral spine.



### Mobile X-Ray

Get the Neurosurgery App and simulate fluoroscopy using Mobile X-Ray technology to set landmarks and plan your surgical approach.



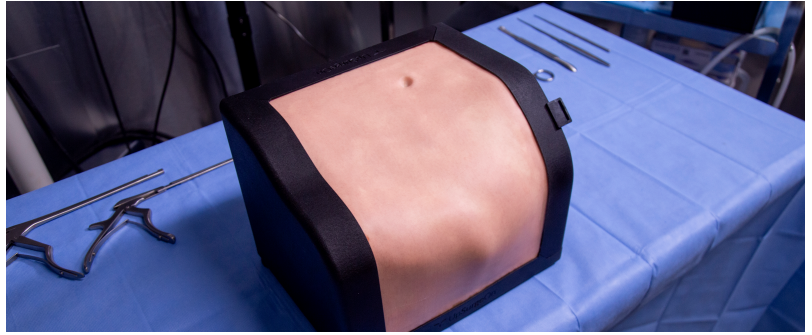
### Standard X-Ray and CT Scan

The simulator is compatible with standard X-Ray, fluoroscopy and CT. Scan it and visualize the positioning of the fixation implants.

# The highest level of detail

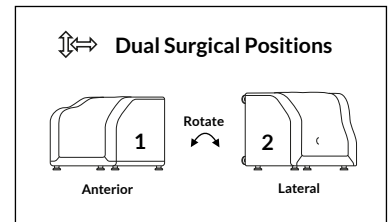
## PROCEDURES:

- **ALIF** (Anterior Lumbar Interbody Fusion)
- **OLIF** (Oblique Lumbar Interbody Fusion)
- **XLIF** (Extreme Lumbar Interbody Fusion, AKA LLIF, Lateral Lumbar Interbody Fusion)



## SURGICAL CAPABILITIES:

- **Skin incision**  
Hyperrealistic skin with bleeding upon incision, featuring multiple layers of suturable epidermis and subcutaneous tissue
- **Layer by layer soft tissue dissection**  
Blunt dissection to expose subcutaneous planes and reveal the abdominal muscle
- **Fascia incision**  
Hyperrealistic muscle/fascia layer to be opened with scissors and dissected in the layer beneath the muscle
- **Abdominal muscle dissection**  
Hyperrealistic muscle layer to be dissected with scissors of blunt dissection
- **Mobilisation of Peritoneum**  
In the ALIF, to expose the retroperitoneal space
- **Psoas dissection**  
In the XLIF, to access the discs
- **Discectomies 4 (L2-S1)**
- **Multiple discectomies**  
Nerve root decompression through discectomies feasible from L2 to S1 (4 discectomies, L2-3, L3-4, L4-5, L5-S1)
- **Multiple corpectomies**  
Total corpectomy feasible from L2 to L5 (5 corpectomies)
- **Instrumented surgery**  
Placement of any artificial disc and body, according to the above-mentioned levels (disc cage, somatic cage, anterior plates, somatic screws)
- **Radiology**  
Simulator compatible with Fluoroscopy and CT scan for visualizing the vertebrae



# Anatomy

## ANATOMY INCLUDED IN THIS APPROACH:

- Skin
- L2 to S1 vertebrae
- L2 to S1 Discs
- Peritoneal sac
- Abdominal Muscles
- Psoas Muscle
- Iliac crest
- Genitofemoral nerve
- Discs
- Arteries
- Veins
- Floating rib
- Spinal Cord
- Inguinal ligament
- Ureter



# Neurosurgery App

## MOBILE X-RAY

For the first time, surgical fluoroscopy is accessible through a user-friendly app, marking a groundbreaking shift in training and courses. Download the app now and make use of the tools integrated with the simulator.

Neurosurgery App



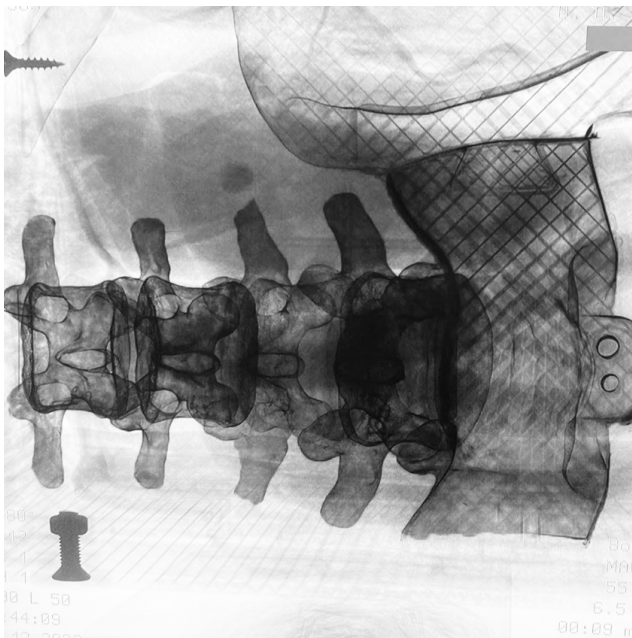
Frame the QR Code



## Standard Imaging

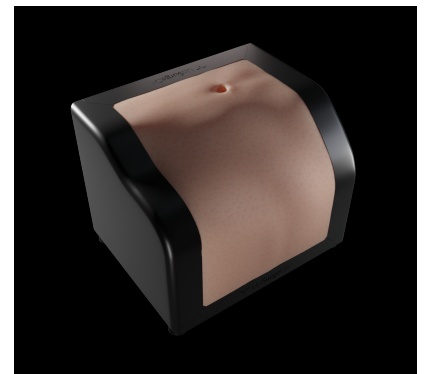
Scan the box with X-Ray and CT to verify the level and visualize the positioning of the fixation implants\*.

\*The box is not designed for MRI; do not subject it to MRI scans as it contains metallic components.



## What is included

- Box
- AR Marker
- Mobile X-Ray tools
- Mobile Navigation tools
- Lubricant



# General warnings

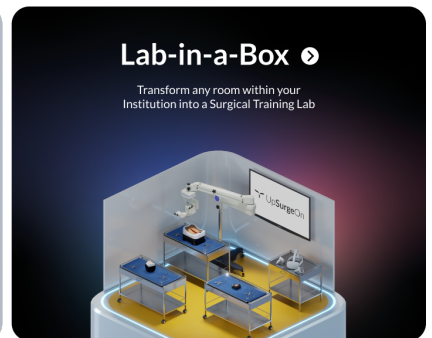
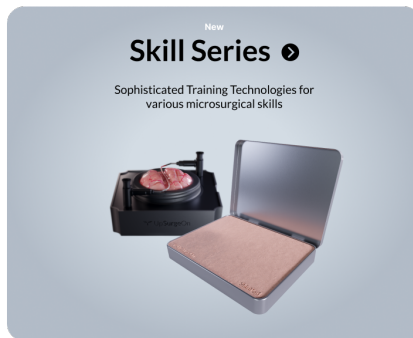
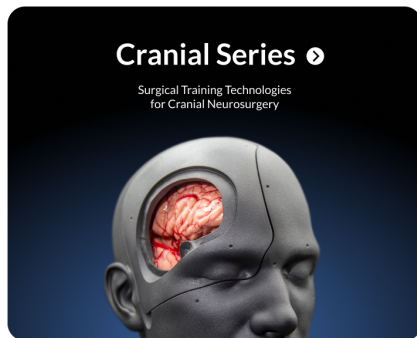
**THIS PRODUCT CONTAINS METALS:  
DO NOT PUT IT INTO A MAGNETIC RESONANCE!**

- Adult assembly required
- Never leave children unattended with the box
- Never put hot liquids above the tools
- Never put chemical substances above the tools
- Wash with water, do not use chemical products
- Keep the product in a dry environment
- Keep the product away from any heat source
- Pay attention to your eyes when using

All materials used to produce UpSurgeOn products are certified, safe and non-toxic. Use of gloves, protective glasses and mask is always suggested to maintain the cleanliness of the simulator and the tools, and as a standard practice during each simulation. Wearing safety equipment is mandatory in the use of drilling simulation.

# Discover our Technologies

We have developed the most advanced microsurgical simulation Technologies to date, with the goal of raising the bar for medical education and training.



**Thank you for choosing our Technologies!**  
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Go visit our website at [www.upsurgeon.com](http://www.upsurgeon.com)  
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