Cranial Series

UpSurgeOn

AneurysmBox

Pterional approach with 5 different Aneurysm cases

Pathologies

5 different Aneurysm Cases covering from Middle Cerebral Artery to Posterior Communicating Artery

Features

Compatible with Standard Navigation*

Use the NavigationFrame** along with the included MRI to start navigating your approach

**Contact us at support@upsurgeon.com to check the compatibility of your Navigation technology.*

***NavigationFrame is sold separately.*

Augmented Reality App

Get the Neurosurgery App to explore cases, navigate 3D models, and utilize augmented reality on the simulator to strategize your procedure.

Mobile Navigation Available

Get the Neurosurgery App, connect the magnetic probe to your smartphone, and navigate the simulator through the MRI.

Disposable Parts

Designed to provide near infinite training, disposable parts are intended to be used with the simulator and replaced to keep track of your training.

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Datasheet AneurysmBox 2026 Version 2.3

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How it is composed

Black Frame
Reusable

Skull (Open)
Reusable

Scenario
Reusable

Black Box
Reusable

White Base
Reusable

Surgical realism

ANATOMY INCLUDED IN THIS APPROACH:

- II: Optic Nerve
- ICA: Internal Carotid Artery
- ACA: Anterior Cerebral Artery
- A1: First segment of ACA
- AcomA: Anterior Communicating Artery
- MCA: Middle Cerebral Artery
- III: Oculomotor Nerve
- PComA: Posterior Communicating Artery
- PCA: Posterior Cerebral Artery
- Ophthalmic Artery
- Pituitary Stalk
- Perforating Arteries
- Lamina Terminalis
- Recurrent Artery of Heubner (origin)
- Optic Chiasm
- Basilar Tip

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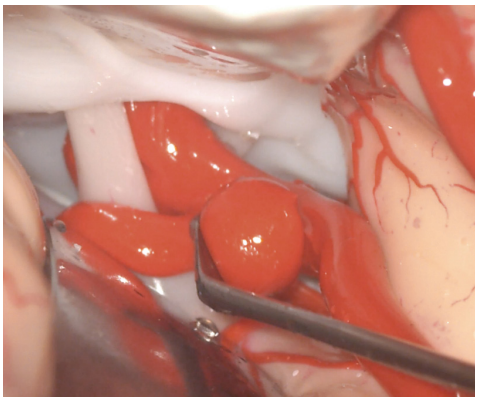
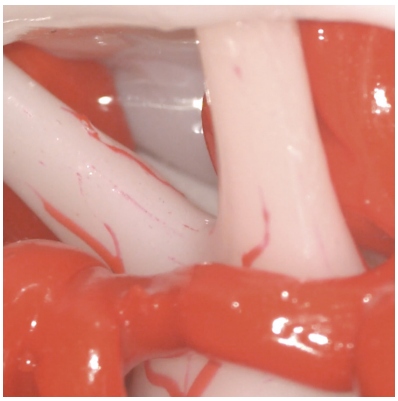
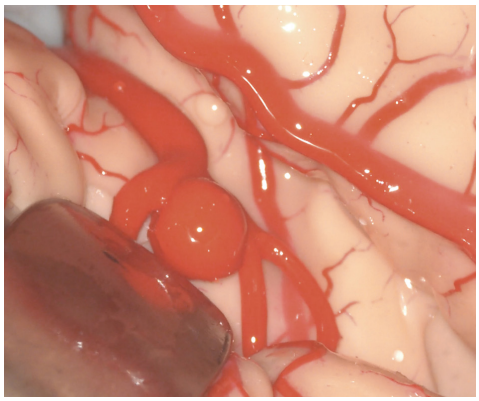
The highest level of detail

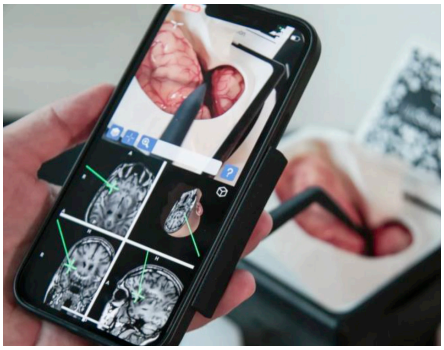
PATHOLOGIES

The new AneurysmBox is the most accurate simulator for vascular neurosurgery.
In a single simulator you can operate 5 different cases:

- Case 1: Middle Cerebral Artery
- Case 2: Basilar Tip
- Case 3: Carotid Bifurcation
- Case 4: Anterior Communicating Artery
- Case 5: Posterior Communicating Artery

Neurosurgery App



Mobile/Standard Navigation

Use the NavigationPen included with the Neurosurgery App for mobile neuronavigation. Alternatively, use the NavigationFrame or the NavigationHead (sold separately) along with the included MRI, for standard neuronavigation.

Augmented Reality

AneurysmBox works with an Augmented Reality app to provide a 360° training experience.

Scan the QR Code and download Neurosurgery App from Google Play and Apple Store.

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Craniotomies with disposable skulls

Perform craniotomies, dural openings, and re-constructions using disposable Pterional skulls. Afterwards, replace the skull and restart as many times as needed.

- Craniotomy Planning
- Craniotomy
- Dura opening
- Dura suspensions
- Dura closing
- Skull closing/reconstruction

What is included

- 1x Workstation:
  Black Frame, Black Box, White Base
- 1x Aneurysm Scenario
- 1x Reusable Pterional Skull
- Surgical Instruments:
  1x Spatula, 1x Bayonet Forceps, 4x Clips for Aneurysm Clipping, 1x Clip-holder
- AR Marker for Augmented Reality App:
  1x Aneurysm, 1x Pterional
- Surgical Loupes with LED Light
- NavigationPen
- Quick Start Guide
- Lubricant

General warnings

THIS PRODUCT CONTAINS METAL MAGNETS: DO NOT PUT IT INTO A MAGNETIC RESONANCE SCANNER AND DO NOT USE IT WITH ANY MACHINE THAT WORKS WITH ELECTROMAGNETS

- Adult assembly required
- Never leave children unattended with the simulator
- Never put hot liquids on the tools
- Never put chemical substances on the tools
- Wash with water, do not use chemical products
- Keep the product away from any heat source

All materials used to produce UpSurgeOn products are certified, safe and non-toxic. Use of gloves, protective glasses and mask are 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.

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Making surgical excellence universally accessible

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UpSurgeOn is a high-tech company specialized in psychomotor skill augmentation in microsurgeries through the use of cutting-edge virtual and physical simulation technologies.

Go to website www.upsurgeon.com

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