

# TNS Box

Endoscopic  
Transsphenoidal  
approach to a  
pituitary adenoma



**Neurosurgical simulator  
equipped with mobile AR  
and navigation.**



### Mobile endoscope and instruments included

Enhance your simulation experience with our included mobile endoscope and instruments, providing comprehensive hands-on training and procedural practice.



### Augmented Reality App

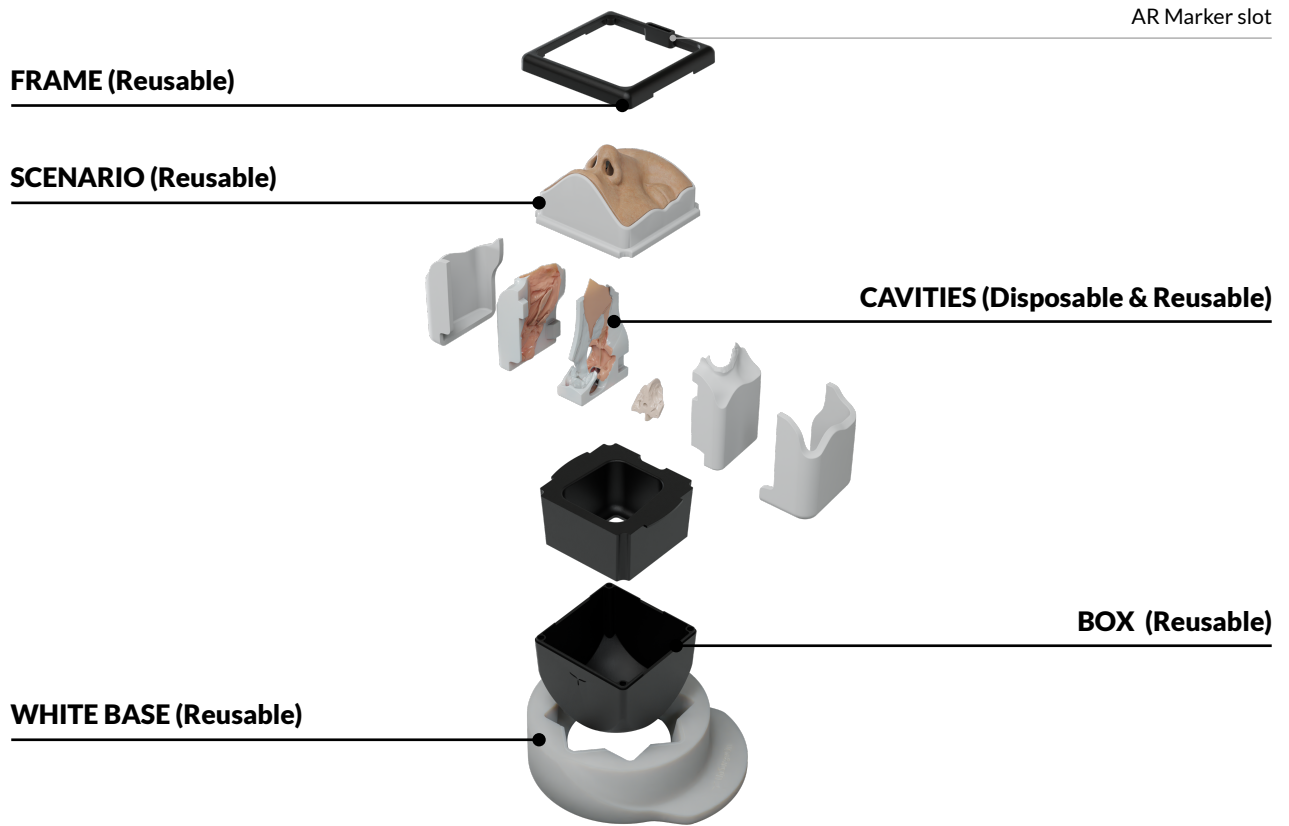
Get the Neurosurgery App to explore cases, navigate 3D models, and utilize Augmented Reality on the Box to strategize your procedure.



### Disposable Parts

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

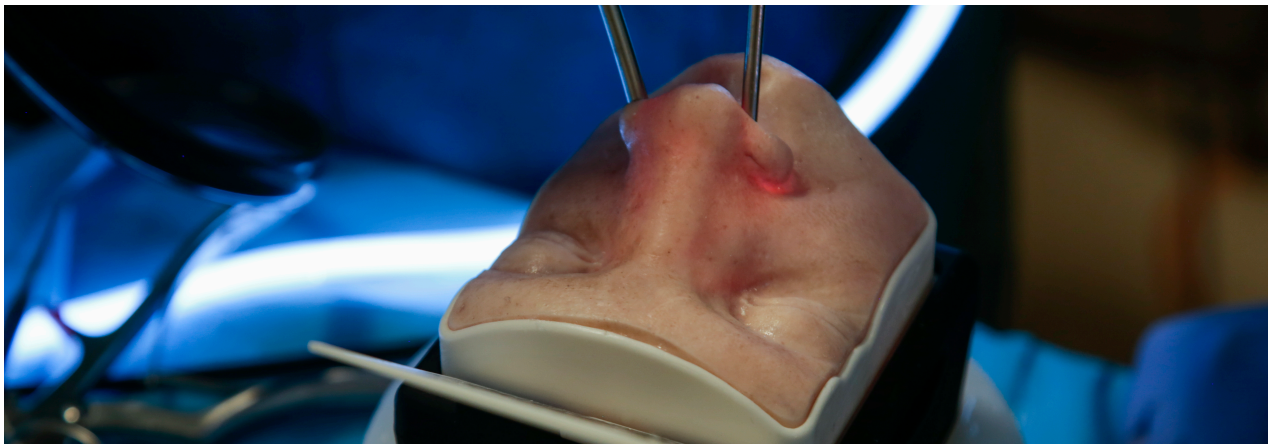
# How it is composed



# Surgical Realism

## ANATOMY INCLUDED IN THIS APPROACH:

- Septal Cartilage
- Vomer
- Mucosa
- Perpendicular plate of Ethmoid Bone
- Sphenoidal Crest
- Nasal Cavity
- Inferior Choana
- Middle Choana
- Superior Choana
- Sphenoid Sinus
- Pituitary Tumor
- Polyposis



# How it works

## Reusable and Disposable Cavities

### TNS Box

Reusable Cavity Included



### What can I do AT HOME

Using the tools included in the BrainBox and Neurosurgery App

- Learn how to use surgical instruments
- Explore the nasal cavity
- Handle the Choanae
- Dissect a reusable hypophyseal tumor
- Remove the tumor
- Repeat the exercise infinite times

### TNS Disposable Cavity



### What can I do in a Lab

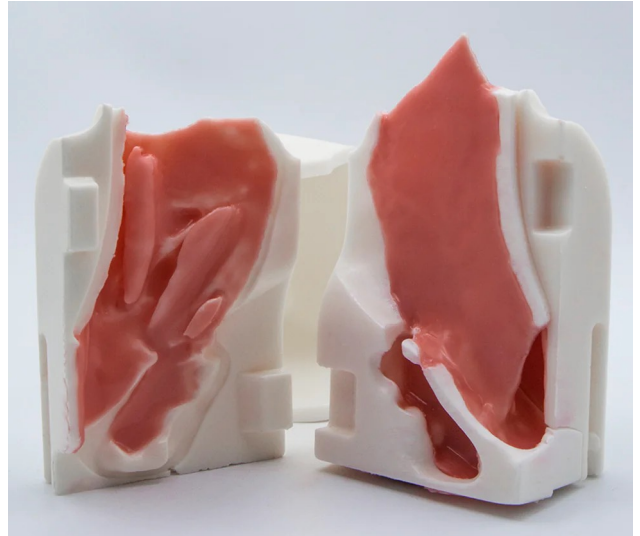
- Learn how to use surgical instruments
- Explore the nasal cavity
- Perform a drilling
- Dissect a hypophyseal tumor
- Remove the tumor
- Replace the Disposable Cavity and repeat

## Disposable Cavities

Disposable Cavities Prepare the nasal cavities and perform an adenoma resection tumor. Then replace the cavity and start again.

TNSBox is available with two different Disposable Cavities:

- Disposable Cavity with Pituitary Tumor
- Disposable Cavity with Pituitary Tumor and Polyposis



# Neurosurgery App



## Augmented Reality

TNS Box works with an *Augmented Reality* app to provide a 360° training experience.

Frame the QR Code and download **Neurosurgery App** for **Google Play** and **Apple Store**.



## What is included

- White base for patient positioning
- 1x Spatula
- 1x Bayonet Forceps
- 1x AR Marker for Augmented Reality App
- 1x Mobile Navigation Kit
- 1x Lubricant
- 1x Microsurgical Dissector
- 1x Microsurgical tissue forceps
- 1x Led Endoscope compatible with Android, Windows PC and MacOS
- 1x 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 WORK WITH ELECTROMAGNETS**

- 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 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 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.

**Thank you for choosing our Technologies!**

For any inquiries please contact us at [info@upsurgeon.com](mailto:info@upsurgeon.com)

Go visit our website at [www.upsurgeon.com](http://www.upsurgeon.com)

Go visit our store at [www.store.upsurgeon.com](http://www.store.upsurgeon.com)