

Simulator sinus and skull base endoscopic surgery

Price inquiry: +48 605999769, kontakt@openmedis.pl

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The SIMONT(SOT) simulator allows endoscopic sinus surgery from a simple SOT ostium opening up to the access of the skull base.

The SIMONT simulator with the anatomy of the face sinuses, turbinates, nasal septum, vessels, including sella turcica with adenoma, among other structures. Specific pathologies such as cysts, tumors, and tissues similar to inflammatory processes are inserted on the model to make the intervention even more realistic, allowing therapeutic behaviors from the simplest flap up to the opening of the sella turcica and removal of the pituitary adenoma. Several surgeries can be performed on SIMONT, such as: • Turbinectomies, removal of the uncinate process; • Enlargement of the maxillary ostium; • Drainage of maxillary cysts; • Removal of the ethmoidal bull; • Periorbital approach by the lamina papyracea; • Removal of agger nasi and frontal opening; • Abscess drainage; • Identification and dissection of the artery and the sphenopalatine orifice; • Training in several models of septal flap; • Identification and expansion of the sphenoid ostium for allow entry into the sphenoid; • Removal of the intersfenoidal septum; • Opening of the sella turcica; • Removal of pituitary adenoma and craniopharyngioma. Components and spare parts:

- Acrylic base
- Surgical unit holder
- Anatomic Model surgical unit: For studies and anatomical dissection
- Sinus Pathologies surgical unit :Dissection of sinus pathologies
- Sinus Pathologies + Skull Base, surgical unit :Endoscopic access to the skull base