

Neuroendoscopy Surgery module

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The SNT simulators allow neuroendoscopic training on the obstructive pathologies of the cerebral ventricles.

The system (SNT) consists of a fixed support which includes, inside its skull cap, a surgical unit of a brain that allows the introduction of an neuroendoscope. The structure of its base allows elevation and rotation of the head in various positions. The training consists in identifying the lesions and proceed with techniques, allowing the choice of the instruments to be used. The tumors are similar to gliomas, neuropharyngeal tumors, cysticerci, colloid cysts, and many others. The goal is to remove these tumors as well as to perform a ventriculostomy with a fogarty expander catheter. It is also possible to identify important vessels such as the septa artery, thalamus striatum and basilar, among others. A peristaltic pump allows the filling of the ventricles under pressure, simulating a hydrocephalic pathology. The SNT simulator allows bleeding by contact during tumorectomy and ventriculostomy, which makes it even more realistic. Components and spare parts:

- Acrylic bas
- Surgical unit
- Support with face
- Skull cap