



Neuro

**Söring**

INNOVATIVE SURGERY



## Micro instrument ENP: **safe and effective** **neuroendoscopic resection of intraventricular tumors**

*“Söring’s Micro instrument ENP has the potential to expand the spectrum of intracranial pathologies treatable by modern neuroendoscopic means.”*

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Micro instrument ENP

### The study at a glance

- Study title: *“Initial experience with endoscopic ultrasonic aspirator in purely neuroendoscopic removal of intraventricular tumors”*
- Authors: *Giuseppe Cinalli, Alessia Imperato, Giuseppe Mirone, Giuliana Di Martino, Giancarlo Nicosia, Claudio Ruggiero, Ferdinando Aliberti and Pietro Spennato (Department of Pediatric Neurosurgery, Santobono-Pausilipon Children’s Hospital, Naples, Italy)*
- Published: *Journal of Neurosurgery: Pediatrics (2017) 19(3): 325–332, <https://thejns.org/doi/abs/10.3171/2016.10.PEDS16352>*
- *12 pediatric patients, 1-15 years old*
- *3 patient groups: intraventricular tumors, intraparaventricular tumors and suprasellar tumors*
- *Surgery via purely endoscopic approach with Söring Micro instrument ENP in combination with a rigid endoscope (model GAAB from KARL STORZ)*

### Results of the study

- *The use of an endoscopic ultrasonic aspirator proved to be safe and reliable in achieving extensive decompression or in complete removal of small and midsized intra- and/or paraventricular lesions in pediatric patients.*
- *Total or near total resection in 7 cases (more than 90% of lesion removed), partial resection in 5 cases*
- *Also effective in the resection of hard tumor tissue*

The full text of the study as well as 2 application videos are available in the JNS’s online database: [www.thejns.org](http://www.thejns.org), looking for “Cinalli ultrasonic aspirator”.

Authors of the above cited study have no conflict of interest to disclose.