

Dr. Mohana Rao Patibandla Highlights 3 Advanced Pediatric Neurosurgery Techniques Following INDSPNCON 2026 Presentations

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GUNTUR, ANDHRA PRADESH, INDIA, April 30, 2026 /EINPresswire.com/ -- Mohana Rao Patibandla, a [leading neurosurgeon in Guntur](#) and internationally trained specialist, is bringing cutting-edge pediatric neurosurgical innovations into active clinical practice following his faculty presentations at INDSPNCON 2026, held in January 2026 at All India Institute of Medical Sciences Rishikesh.



Official faculty invitation to Dr. Mohana Rao Patibandla for INDSPNCON 2026 at AIIMS Rishikesh.

Presented at the national conference organized by the Indian Society for Pediatric Neurosurgery, these techniques are now being actively implemented to improve surgical precision, safety, and long-term neurological outcomes in children undergoing complex brain and spine procedures.



Our focus is translating innovation into safer pediatric care; INDSPNCON 2026 techniques now directly improve our surgical strategies and patient outcomes."

*Dr. Mohana Rao Patibandla,
Neurosurgeon & Founder, Dr.
Rao's Hospital*

"Our focus is not only on innovation but on translating these advancements into safer, more effective care for children," said [Dr. Mohana Rao Patibandla](#). "The techniques presented at INDSPNCON 2026 are now directly influencing our surgical strategies and patient outcomes."

This transition from conference presentation to real-world application highlights a growing trend in Indian neurosurgery—rapid adoption of advanced, minimally invasive, and technology-driven approaches.

Minimally Invasive Brain Tumor Surgery Now in Practice: BrainPath Approach

Following his presentation on BrainPath-assisted parafascicular resection of intraventricular tumors in children, Dr. Patibandla is actively applying this minimally invasive technique in clinical practice.

By utilizing natural white matter corridors, the BrainPath approach minimizes damage to surrounding brain tissue while allowing precise access to deep-seated tumors. Early outcomes demonstrate reduced postoperative deficits, shorter hospital stays, and faster recovery, marking a significant advancement in pediatric neuro-oncology.

Large-Scale Neuromonitoring Experience Enhancing Surgical Safety

Insights from Dr. Patibandla's 180-patient experience in pediatric intraoperative neuromonitoring are now strengthening safety protocols in high-risk neurosurgeries.

The integration of multimodal neuromonitoring—including SSEPs, MEPs, and cranial nerve monitoring—enables real-time detection of neurological compromise, allowing surgeons to make immediate intraoperative adjustments. This has contributed to improved neurological preservation and safer surgical outcomes in complex pediatric brain and spine cases.

Transforming Complex CVJ Surgery: Endoscopic Endonasal Salvage Approach



Dr. Mohana Rao Patibandla delivering a faculty lecture at INDSPNCON 2026, AIIMS Rishikesh.



Dr Rao the best Spine surgeon In India and Guntur

One of the most impactful techniques now being implemented is endoscopic endonasal transnasal odontoidectomy (EETO) for complex craniovertebral junction (CVJ) pathology.

In a challenging pediatric case presented at INDSPNCON 2026:

Transoral odontoidectomy was attempted but the odontoid could not be reached due to anatomical constraints

Posterior realignment with C1-C2 DCER and subsequent occipitocervical fixation failed to relieve ventral brainstem compression

EETO was performed as a final salvage procedure, achieving effective decompression and significant neurological recovery.

This approach demonstrates how advanced endoscopic skull base techniques are redefining the management of previously difficult or failed CVJ cases.

Bridging Innovation and Patient Outcomes

The continued application of these techniques underscores a critical shift from conference innovation to real-world patient benefit. At Dr. Rao's Hospital, these advancements are contributing to:

- Safer surgical procedures
 - Reduced complications
 - Faster recovery times
 - Improved long-term neurological outcomes
- About Dr. Mohana Rao Patibandla

Dr. Mohana Rao Patibandla is an internationally trained neurosurgeon specializing in pediatric



The advanced biplane cath lab at Dr. Rao's Hospital, designed for precision neurovascular procedures and minimally invasive surgeries, first in Andhra Pradesh and Telangana in India.



The high-tech neurosurgery operating room at Dr. Rao's Hospital, Guntur featuring advanced imaging and navigation systems for precise brain and spine surgeries.

neurosurgery, skull base surgery, neuro-oncology, and cerebrovascular surgery. With advanced training in the United States, he is known for integrating minimally invasive and technologically advanced techniques into routine clinical care.

About Dr. Rao's Hospital

[Dr. Rao's Hospital, Guntur \(IIN\), Andhra Pradesh](#), is a state-of-the-art center for brain, spine, and nerve care, offering advanced neurosurgical treatment supported by modern infrastructure and multidisciplinary expertise.

Media Contact

Dr. Rao's Hospital

☐ 090100 56444

☐ info@drraoshospitals.com

| drpatibandla@gmail.com

☐ <https://drraoshospitals.com>

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Mohana Rao Patibandla

Patibandla Narayana Swamy Neurosciences LLP

+91 90100 56444

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