Special Issue

Emerging Trends in the Neurosurgical Management of Neuroendocrine Tumors

Message from the Guest Editors

Neuroendocrine tumors (NETs) involving the central nervous system and skull base represent a rare but complex subset of cases in neurosurgical practice. Recent developments in functional imaging enable precise localization and surgical planning, particularly in cases where maximal safe resection is combined with stereotactic radiosurgery or peptide receptor radionuclide therapy (PRRT). Endoscopic endonasal approaches have revolutionized access to neuroendocrine tumors of the pituitary and skull base, improving outcomes and reducing morbidity. Similarly. microsurgical and neuromonitoring techniques have advanced the management of highly vascular paragangliomas in the foramen jugulare and spinal canal. Evolving WHO classifications underscore the neuroendocrine nature of certain CNS tumors. prompting new surgical strategies and multidisciplinary care models.

We invite neurosurgeons, neuro-oncologists, and translational researchers to contribute original research and reviews to advance the understanding and surgical management of neuroendocrine tumors affecting the nervous system.

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