

Special Issue

Improving Outcomes and Preventing Complications in Cranial Base Surgery

Message from the Guest Editors

Despite recent advances, cranial base surgery remains a challenge for neurosurgeons, with many problems to be addressed. In cranial base surgery, oncological radicality should be always balanced with the preservation of neurological function. Furthermore, when feasible, minimally invasive approaches should always be attempted to minimize the impact of surgery on the patient. The increasing use of intraoperative neuromonitoring techniques has changed the neurosurgeon approach toward a “functionally” guided surgery. Recent advances in biomaterials as well as in surgical tools may help to improve outcomes in this kind of surgery. The aim of this Special Issue is to provide a focus on advances in anterior, middle, and posterior cranial fossa surgery, pituitary surgery, cranial base reconstruction techniques, minimally invasive approaches, techniques to prevent complications, and intraoperative neuromonitoring both for tumoral and functional pathologies such as acoustic neuroma, meningiomas, intrinsic tumors, trigeminal neuralgia, hemifacial spasm, and other neurovascular conflict syndromes.

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