

Special Issue

Neurosurgery: Recent Advances and New Perspectives in Skull Base Approaches

Message from the Guest Editors

The management of skull base lesions in our patients requires a deep understanding of anatomy and remarkable interdisciplinarity at the interface with advanced technologies. Neuro-navigation, now firmly established in our clinical practice, is increasingly combined with augmented reality and machine learning. Artificial intelligence enhances our skills before, during, and after surgery. The use of the endoscope and, more recently, the introduction of the 3D exoscope is becoming increasingly valuable in clinical practice, particularly when applied to the latest minimally invasive approaches, such as the transorbital approach. The goal of this Special Issue is to gather the best contributions in the field of new technologies applied to neurosurgery, creating a bridge between well-established aspects like surgical neuroanatomy and the essential study of cadavers, which is increasingly enhanced and supplemented by augmented reality. These range from standard to more advanced techniques, including microsurgery, endoscopy, and even exoscopy.

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