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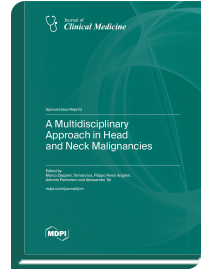
## **A Multidisciplinary Approach in Head and Neck Malignancies**

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Edited by  
Marco Zeppieri  
Tamara Ius  
Filippo Flavio Angileri  
Antonio Pontoriero  
Alessandro Tel

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This comprehensive reprint, authored by leading experts in the field, investigates the different aspects of the developments in neuro-oncology, including diagnostic tools, imaging, treatment, and surgical strategies. From the prognostic significance of volumetric MRI evaluation in glioblastoma surgery to the transformative potential of the transorbital approach in neurosurgery, this reprint covers a wide array of topics which are crucial for optimizing patient outcomes. Advanced imaging modalities for pediatric thalamopeduncular tumors and the utility of radiologically defined sarcopenia in head and neck cancer patients are also discussed. Key molecular drivers of metastatic disease, such as EGFR mutations in lung cancer, and emerging treatment paradigms for rare entities like primary intracranial gliosarcoma and ALK-positive lymphomas are studied. Real-time neuropsychological testing during awake surgery and innovative surgical techniques for complex lesions like sphenoid-orbital meningiomas are also discussed. This reprint serves as an indispensable resource for neurosurgeons, oncologists, radiologists, and researchers who seek to stay abreast of the latest developments in neuro-oncology and enhance patient care.



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