



Novel Treatments and Technologies Applied to Neuroblastoma

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Message from the Guest Editor

Neuroblastoma (NB) is a prevalent extracranial solid tumor that develops in children. Documenting abnormalities at the genome, epigenome, and transcriptome levels, our knowledge of the molecular characteristics of human NBs continues to advance. The MYCN transcriptional regulator is highly expressed in the neural crest and is amplified in high-risk malignancies. Studies on the biology of NB have enabled a more precise risk stratification strategy and a concomitant reduction in the number of cases requiring treatment. To enhance outcomes and survival rates in these high-risk patients, a multicomponent therapeutic approach is required. Clinical staging of the disease and assessment of the associated risks based on biological, clinical, surgical, and pathological criteria are of the utmost importance for determining prognosis and planning effective therapeutic strategies. These reviews will examine the staging of neuroblastoma (NB), as well as the disease's biological and genetic characteristics, and several current therapies, including targeted chemotherapy delivery, novel radiation therapy, and immunotherapy for NB.





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Message from the Editor-in-Chief

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