

***Neuroblastoma* nerwu węchowego (*esthesioneuroblastoma*): etiopatogeneza, diagnostyka i leczenie**

Olfactory neuroblastoma (esthesioneuroblastoma): etiopathogenesis, diagnosis, and treatment

Anna Ścińska, Agnieszka Korkosz, Halina Sienkiewicz-J arosz, Wojciech Kukwa, Elżbieta Jeżewska, Andrzej Kukwa

Summary

Introduction: Esthesioneuroblastoma is a malignant tumour arising from the olfactory epithelium located in the upper part of the nasal cavities. Recent clinical and preclinical studies shed more light on etiopathogenesis, diagnosis, and treatment of this rare malignancy. **Material and methods:** A systematic review of PubMed/Medline and available Polish literature. **Results:** Molecular studies indicate basal progenitor cells of the olfactory epithelium as the origin of esthesioneuroblastoma. Tumour symptoms are related to its location and typically include: epistaxis, nasal obstruction, olfactory and ophthalmic disturbances as well as craniofacial pain. Esthesioneuroblastoma should be differentiated from embryonic rhabdomyosarcoma, Ewing's sarcoma, melanoma, lymphoma, and pericytoma. A combination of surgery and radiotherapy seems to be the optimum approach to treatment. More aggressive treatment regimens are promising but require further studies. **Conclusions:** Esthesioneuroblastoma is a rare malignant tumour arising from the olfactory epithelium. Early diagnosis and interdisciplinary approach to treatment is vital in the management of the tumour.