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Cartilage differentiation in ependymoma: Histopathological considerations on a new case report

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The presence of cartilaginous component in gliomas including ependymoma is a unique phenomenon. We herein report an 8-year-old boy who suffered from a tumor in the fourth ventricle that histopathologic evaluation proved that it was an uncommon ependymoma with cartilage within the tumor tissue. Derivation of this mature chondrocytes is unknown and immunohistochemical labeling for GFAP, EMA, cytokeratin and ki-67 could not support their possible origin from glial cells. Radiation role in chondroid metaplasia was rejected during this present case. At the end of this study, we investigated cartilaginous ependymomas have more aggressive behavior than classic ependymomas.

Biography

Zoha Khademi has completed her Diploma from National Organization for Development of Exceptional Talents (NODET) and is a 4-year-Medical Student at Arak University of Medical sciences. She has worked on more than 20 papers. She is so interested in neurosurgery and neuropathology and other fields related to tumors. She has 2 presentations before such as 5th symposium of world federation of neurosurgical societies, with presidency of prf. Madjid Samii, the 7th international neurosurgery congress, the 1st international neuroscience congress, MASSIN interim meeting- 2016. Diploma of honor is awarded to her on the chosen student article of international congress of pathology and laboratory medicine-2017.

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