THE COEXISTENCE OF ANAPLASTIC AND FIBROUS MENINGIOMAS IN A SINGLE BRAIN TUMOR: A CASE REPORT.

Canan Sadullahoğlu¹, Hülya Tosun Yıldırım¹, Dinç Süren¹, Şenay Yıldırım¹, İrem Atalay¹, Zelal Akgündüz¹, Hakan Çakın²

¹Department Of Pathology, University Of Health Sciences, Antalya Education And Research Hospital, Antalya
²Department Of Neurological Surgery, University Of Health Sciences, Antalya Education And Research Hospital, Antalya

Introduction: Meningiomas are common benign neoplasms of the central nervous system. They have long term curability if they are excised completely. Anaplastic meningioma is a rare neoplasm. It has high recurrence than low-grade meningiomas.

Case Report: The patient was a 65-year-old female, who developed progressive gait instability. Cranial magnetic resonance imaging revealed a 4x7.5 cm mass in the posterior fossa; inferior part of tumor invaded into the C2 vertebrae posterior. She underwent occipital decompressive craniectomy and complete excision of the mass. Histological specimen demonstrated malign cytological features resembling carcinoma and spindle tumoral cells that are parallel, mixed, storiform pattern in a focal area of tumor. After immunohistochemical staining for differential diagnosis, the case was reported as anaplastic and fibrous meningioma.

Conclusion: Anaplastic meningioma arises de novo or as a result of the progressive transformation of a low-grade meningioma. It keeps unclear whether or not all low-grade meningiomas pass through stage of atypical meningioma in the progression to anaplastic meningioma. The coexistence of anaplastic and low-grade component has been rarely reported.

Anahtar Kelimeler: Anaplastic meningioma, Meningioma, Fibrous meningioma