

27 ULUSAL PATOLOJİ KONGRESİ



15-18 Kasım 2017, Sueno Deluxe Otel - Belek | Antalya

Poster Sunum

Baş ve Boyun Patolojisi

PS093

CELLULAR ANGIOFIBROMA: A RARE TUMOR BEHIND THE EAR

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Introduction: Cellular angiofibroma (CA) is an uncommon benign soft tissue tumor and typically arise in genitourinary region. There are only three reported cases at the head and neck region to the best of our knowledge; two different sites at eye lid and buccal mucosa.

Case report: A 67-year-old man presented to the otorhinolaryngology unit with a painless nodule behind the left ear. Ultrasonography revealed a subcutaneous non-vascular, hyperechoic, homogenous, solid, 15x15 mm mass. The mass was excised and macroscopic examination revealed a well-circumscribed mass with variegated cut surface including firm tan and yellow areas. Microscopically, the tumor was composed of numerous small to medium sized hyalinized thick-walled vessels among spindle-shaped with monotonous bland nuclei and inconspicuous eosinophilic cytoplasm. Hemorrhage, necrosis, nuclear atypia, or mitotic activity were not observed. CD34 was positive and ki67 proliferation index of 1%, while S100, chromogranin A, synaptophysin and desmin were negative. The final diagnosis was CA.

Conclusion: Although rare CA cases were presented at the head and neck region, this particular case is presented for the unique localization.

Anahtar Kelimeler : Angiofibroma; cellular; ear; soft; tissue