Familial hypercholesterolemia with bilateral cholesterol granuloma: A case series

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Introduction: Cholesterol granuloma is a benign mass that commonly involves the petrous apex but rarely affects other structures, such as the mastoid cavity. It is diagnosed histologically by the presence of giant cells, and Its management is individualized based on some factors such as the size and location of the lesion.

Presentation of case: The first case was a 33-year-old man who presented to the outpatient clinic with a two-year history of right-sided pulsatile tinnitus, hearing loss, and vertigo. Upon investigations, a large, destructive mass in the tympanomastoid region was found and managed medically and surgically. The other case was for a 41-year-old man who presented to the emergency department with loss of consciousness. Urgent CT was done and revealed an aggressive hypodense posterior fossa mass destroying the right temporal bone that was managed medically and surgically. For both cases, it has been proven through histopathology that the lesions were cholesterol granuloma.

Discussion: In this report, we describe two patients with familial hypercholesterolemia who developed bilateral cholesterol granuloma that were managed medically and surgically.

Conclusion: These cases are reported because of their rare location and presentation since few cases of bilateral cholesterol granuloma have been reported in the literature.

Speaker Biography

Nouf Albakheet is a medical intern in King Saud bin Abdulaziz University for Health Sciences. She has a strong interest in otorhinolaryngology specialty, and she has done multiple researches in this field and have published this case series and the others are on the process of submission.

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