

Shrinkage tumor of the Earlobe: a Case Report of Angioleiomyoma

陳昱帆 陳恆常 陳威宇

馬偕紀念醫院整形外科

We present a case of 37-year-old man with complaint of a protruding nodule over the right earlobe. The nodule was purple in color and non-painful, and it had been noted since childhood with progressive enlargement. He also noted that the lesion often felt worse during hot weather and the mass would tend to shrink slightly during cold days. Physical examination revealed an elastic, ecchymotic, non-tender nodular lesion 25 x 20 x 12 mm in size and ovoid in shape. No other similar lesion was found on his face, neck and/or extremities. Before the tumor mass to be excised, it is noted surprisingly to shrink in size after local infiltration with epinephrined local anesthesia. The mass is excised and then the earlobe defect reconstructed with local flap. Microscopic histopathological analysis of the specimen reveals angioleiomyoma.

Angioleiomyoma is a subcutaneous benign tumor of smooth muscle origin arising from the disoriented and hyperplastic muscularis layer of numerous blood vessel walls. Most occur in the extremities as a slow-growing, firm, mobile, and occasionally painful mass, particularly the lower extremity. Angioleiomyoma in head and neck regions occurs rarely, mainly auricular area. We report a case at the earlobe with excision and reconstruction, and the fact of volume shrinkage after vasoconstrictive agent infiltration may give clue to vascular or angioleiomyoma lesions.