

SUBCONJUNTIVAL FAT PROLAPSE AFTER AUTOGENOUS FAT GRAFT: A CASE REPORT

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Purpose: To report an extremely rare case of subconjunctival herniated orbital fat and grafted fat after autogenous fat graft.

Method: A case report.

Results: A 51 year-old non-obese female suffered from redness and several subconjunctival masses in the right eye over the upper and temporal lower subconjunctival areas. The masses were noted after autogenous fat grafting from the abdomen to the periorbital hollows. The ocular examination revealed multiple subconjunctival yellow masses and conjunctival injection. Excision of the subconjunctival fat pad was done one year after autogenous fat graft surgery. The histopathology revealed fatty tissue and lipogranuloma formation with peripheral histiocyte infiltration. The orbital fat and grafted fat herniated between the conjunctiva and the sclera, presumably due to high intra-orbital pressure after fat grafting, resulting in dehiscence of the Tenon's capsule.

Conclusion: We present an extremely rare case of subconjunctival fat herniation, which could be complicated after autogenous fat graft. Ophthalmologists and plastic surgeons should be aware of the possibility of this complication.

Key words: Conjunctiva; complication; fat.

INTRODUCTION

Autogenous fat graft is a common cosmetic procedure for correction of aged atrophy and enhancement of facial elements, which mainly results from fat redistri-

bution or reduction within the subcutaneous envelope.¹ Moreover, the upper and temporal parts of periorbital fat loss easily cause the appearance of supratarsal depression and brow ptosis. The lower part of periorbital fat loss results in concavity from the tarsus across the orbital rim to the cheek.² These factors contribute to the

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