



Post Enucleation Socket Syndrome – Surgical Repair

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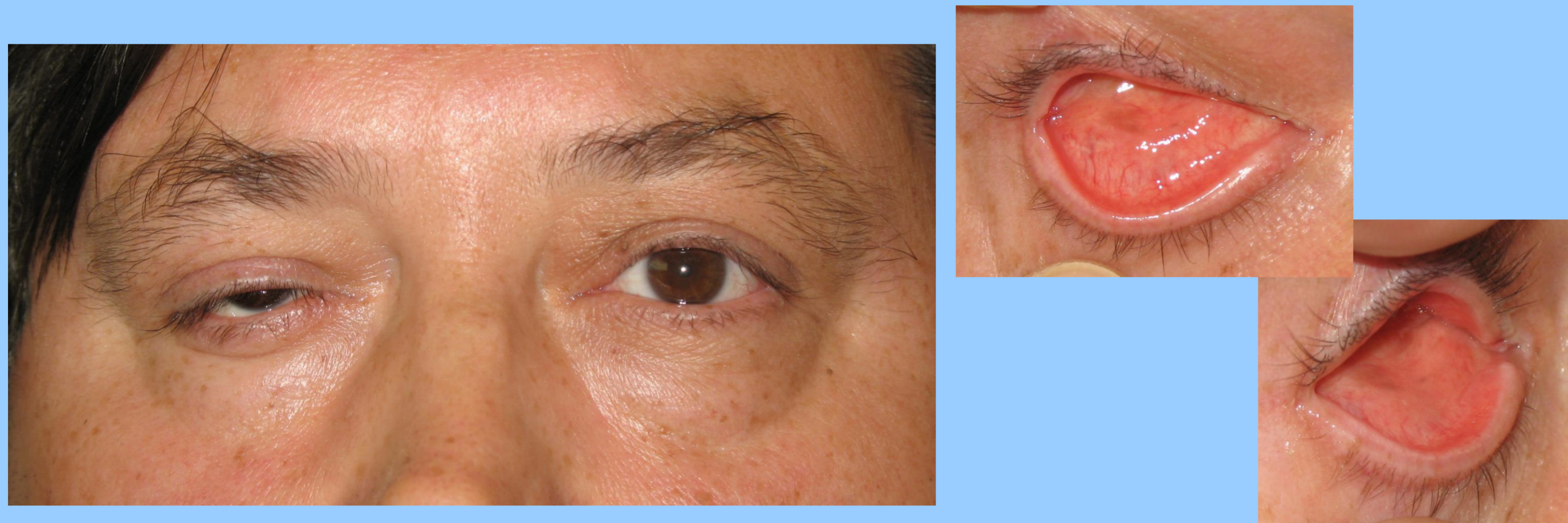
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INTRODUCTION

A post enucleation socket syndrome (PESS) is a functional and cosmetic misfortune to the patient, characterized by enophthalmos, ptosis, lower eyelid ectropion, and tilted prosthetic eye. It can also become a source of chronic infection, discharge and irritation. There are several surgical techniques that can be used.

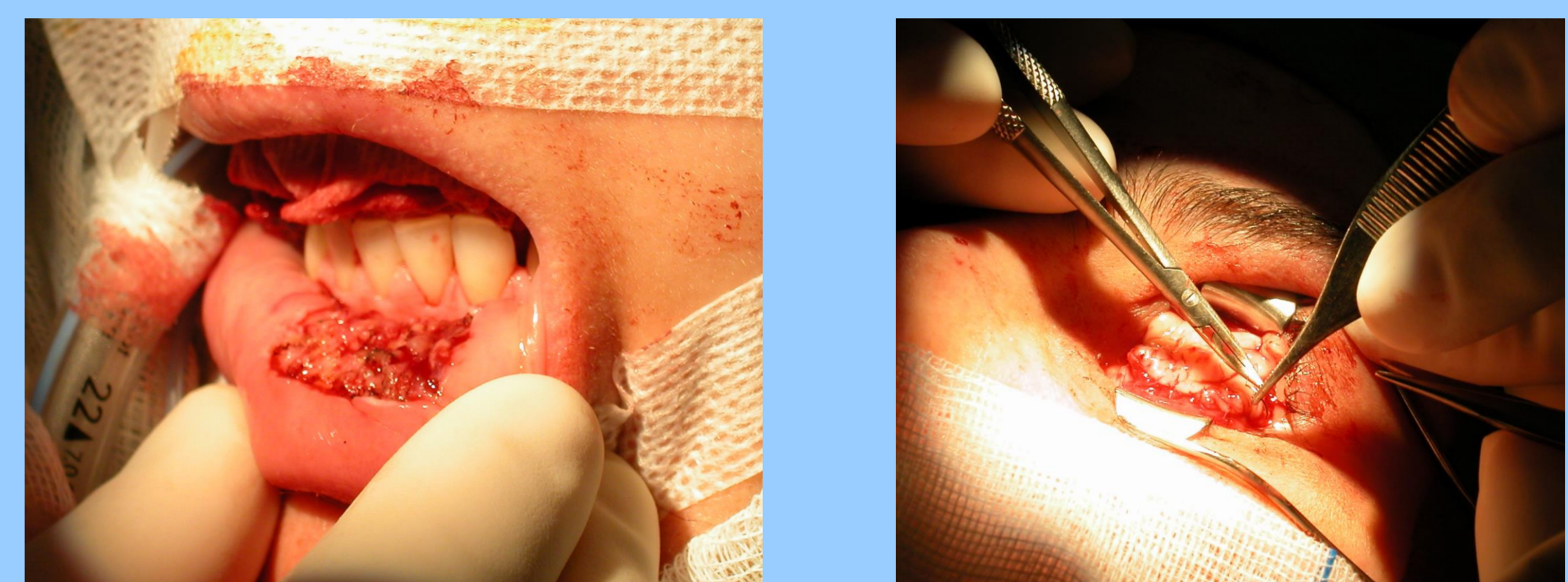
CASES DESCRIPTION

Case 1 – Male, age 50, enucleated at the age of 15 years-old due to traumatism. The patient complains of misfitted eye prosthesis. Pictures are of pre-op.



Surgical approach – In this patient a conjunctival cul-de-sac plasty was performed with fáschia temporalis graft, a conformer, and a tarsorrhaphy

Case 2 – Female, age 40, enucleated at the age of 13 years-old due to traumatism. The patient presented an orbital implant extrusion and a misfitted eye prosthesis. Pictures are of intra-op.



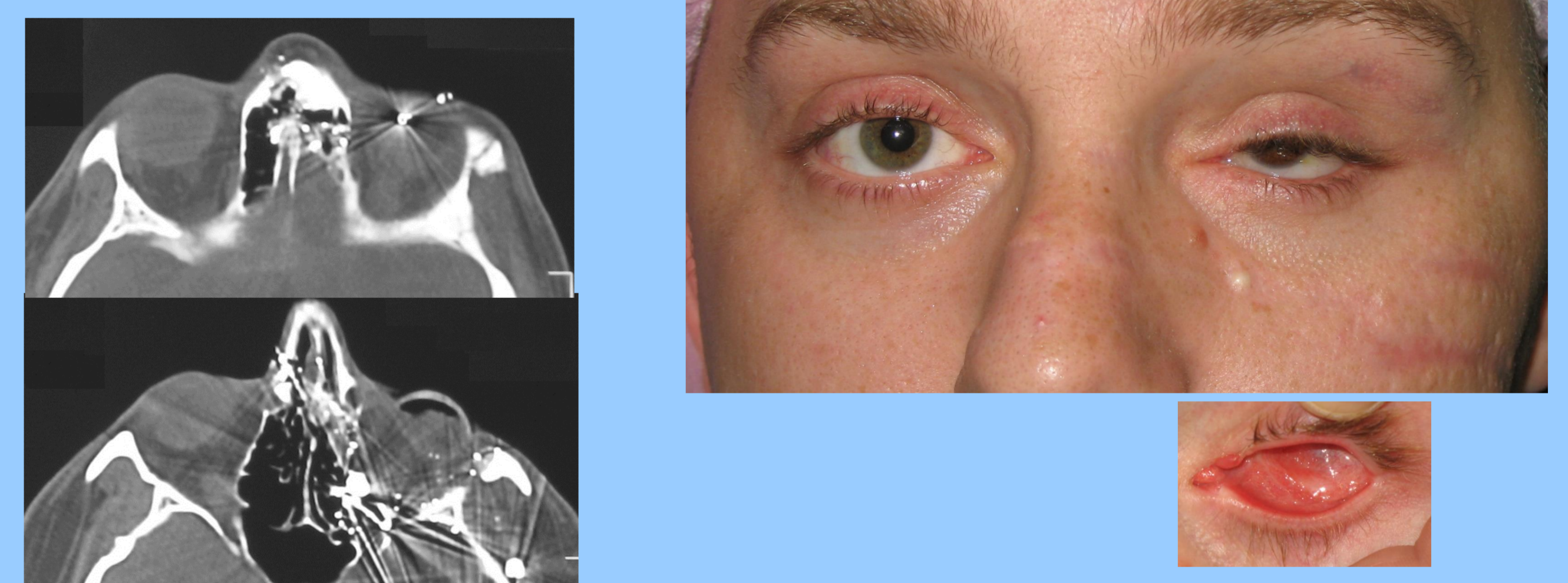
Surgical approach – In this patient a conjunctival cul-de-sac plasty was performed with dermal fat graft, oral mucous membrane, a conformer, and a tarsorrhaphy.

Case 3 – Male, age 60, enucleated at the age of 20 years-old due to traumatism. The patient has a contracted cavity. Pictures are of the post-op as well as a conjunctival granuloma that was excised.



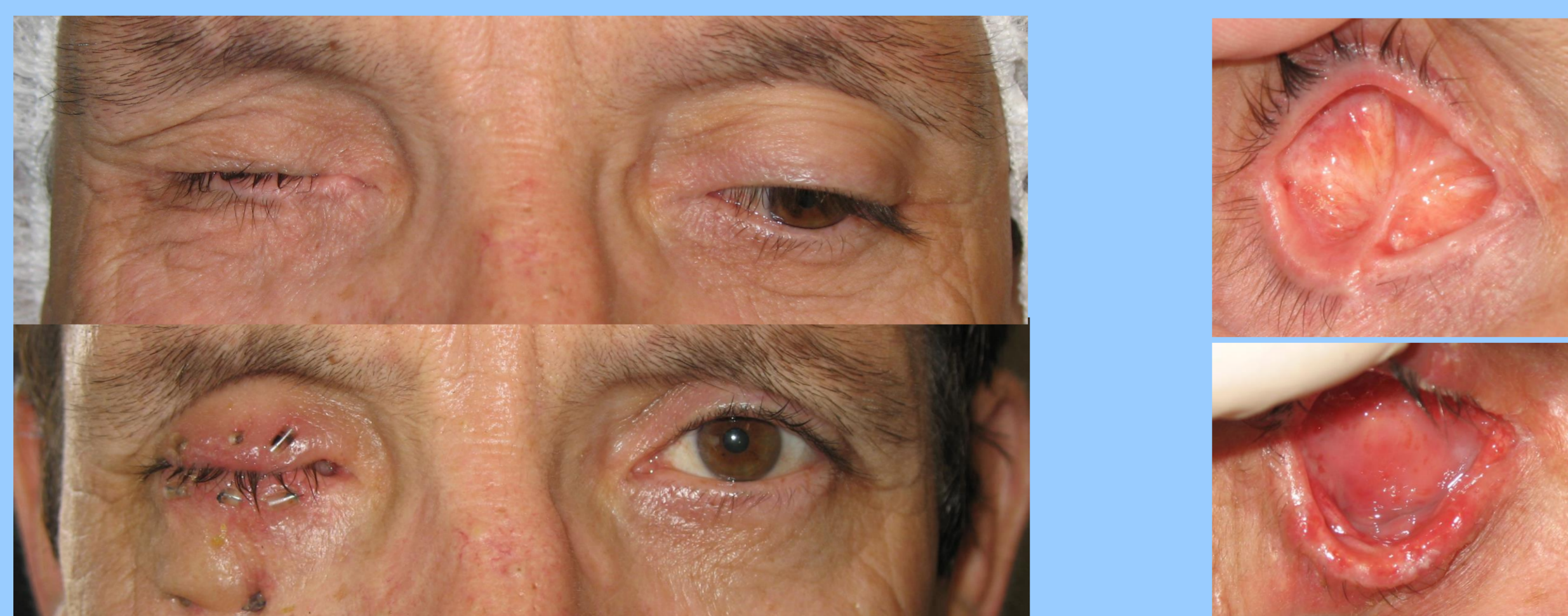
Surgical approach – In this patient a conjunctival cul-de-sac plasty was performed with fáschia temporalis graft, a conformer and a tarsorrhaphy

Case 4 – Male, age 29, enucleated at the age of 27 years-old due to shotgun pellets. The patient presents with contracted cavity and ptosis. Pictures of the trauma and pre-op.



Surgical approach – In this patient a conjunctival cul-de-sac plasty was performed with oral mucous membrane, a conformer, and a tarsorrhaphy.

Case 5 – Male, age 48, enucleated at the age of 25 years-old due to traumatism. The patient complains of misfitted eye prosthesis, presents enophthalmos and symblepharo. Pictures of pre-op and post-op



Surgical approach – In this patient a conjunctival cul-de-sac plasty was performed with dermal fat graft, oral mucous membrane, a conformer, and a tarsorrhaphy.

Case 6 – Female, age 47, enucleated at the age of 2 years-old due to retinoblastoma. The patient presented a misfitted eye prosthesis and enophthalmos. Pictures are of pre and post-op.



Surgical approach – In this patient a conjunctival cul-de-sac plasty was performed with dermal fat graft, oral mucous membrane, a conformer, and a tarsorrhaphy.

Conclusion

Surgical repair of the contracted socket using oral mucous membrane or fascia temporalis grafting can allow resumption of prosthesis wear. In this 6 patients, aesthetic outcome was obtained.

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