

Eye lids Reconstruction In Post Excisional Eyelid defects

Presenter:

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Posted in Plastic surgery

Case no - 1

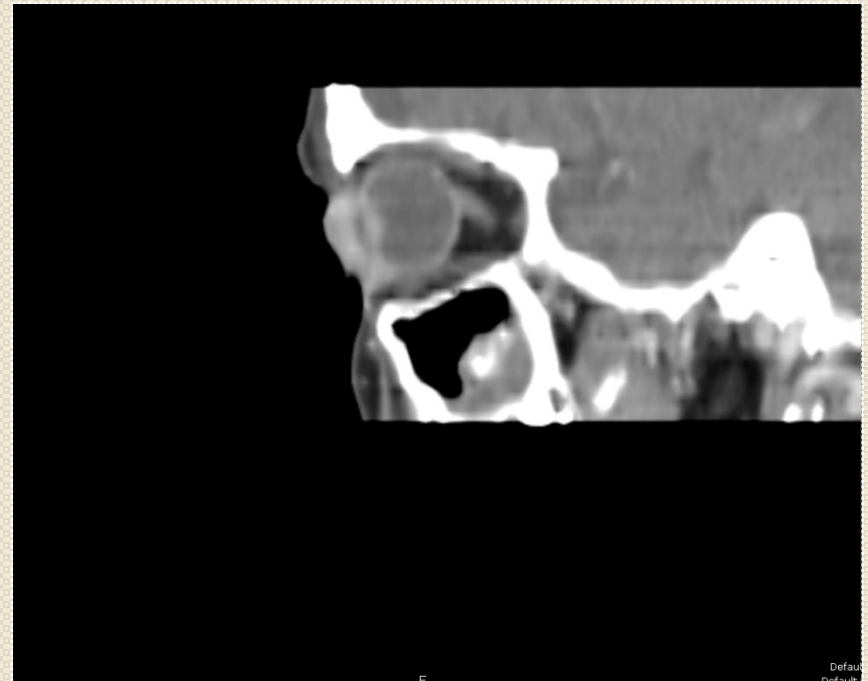
- 69 years old lady presented with a fungating mass involving left upper eyelid
- Started as a nodular lesion, about 4 months back
- Lesion progressively involved complete upper eyelid



- Lesion measured about 6cms in length and 3 cms wide, bled on touch, involved lid margin and had loss of eyelashes
- Conjunctival congestion + Conjunctival surface of eyelid looked free



CT Scan



1st Stage



Excision of complete upper eyelid



Lower eyelid flap raised

1st Stage



Lower eyelid flap switched to reconstruct upper eyelid

- Completion of first stage
- Lower eyelid switched to reconstruct upper eyelid
- Pedicle to be divided after two weeks



Excised specimen



Conjunctival aspect



Outer surface

2nd stage

- Markings for Temporal rotation flap
- Detachment of lower eyelid switch flap



Final inseting of switch flap



Reconstruction of upper lid completed



Rotation flap raised and rotated into the lower eyelid defect

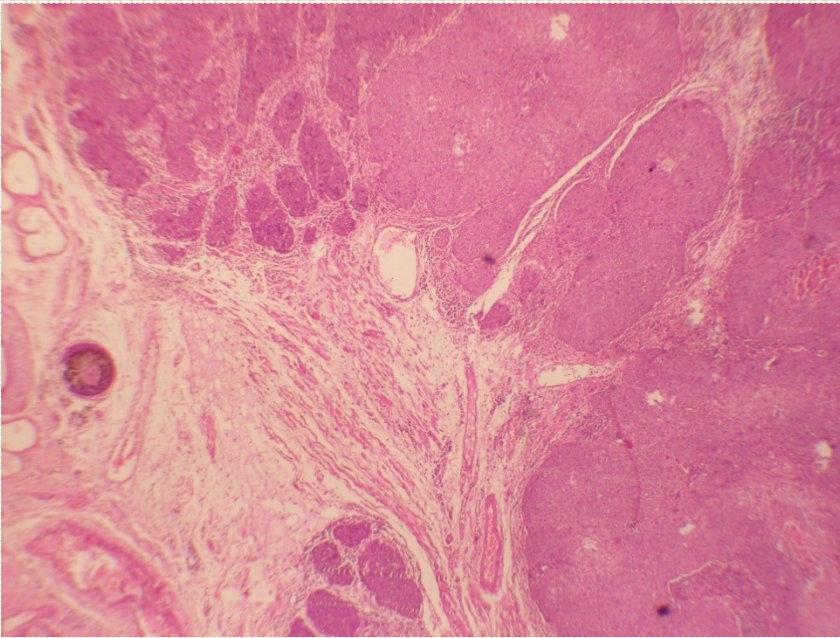


2nd stage completed

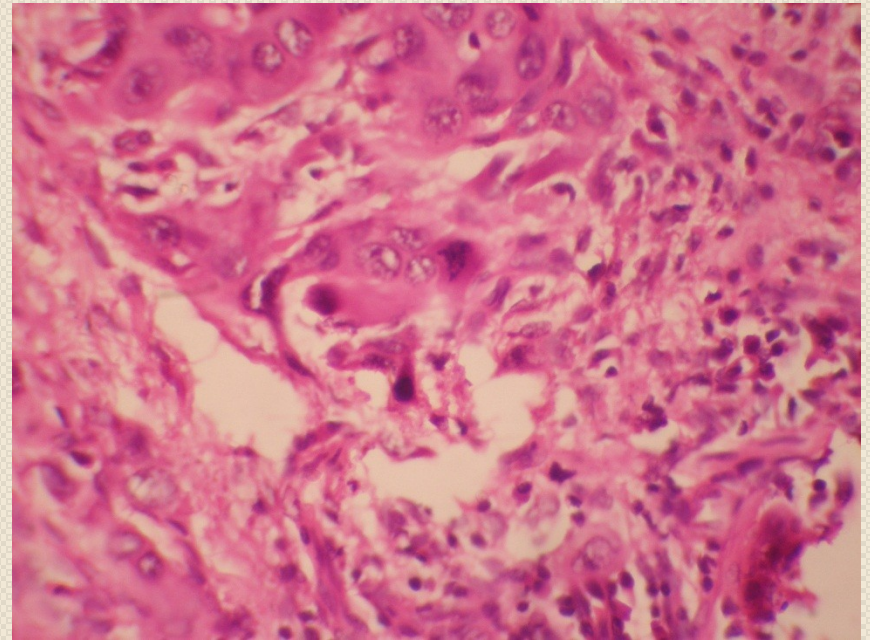


Operative Video

Histo Pathology



Basaloid pattern of malignant squamous cells



Malignant Squamous cells with inflammatory infiltrate

After Surgery - Eye lids open



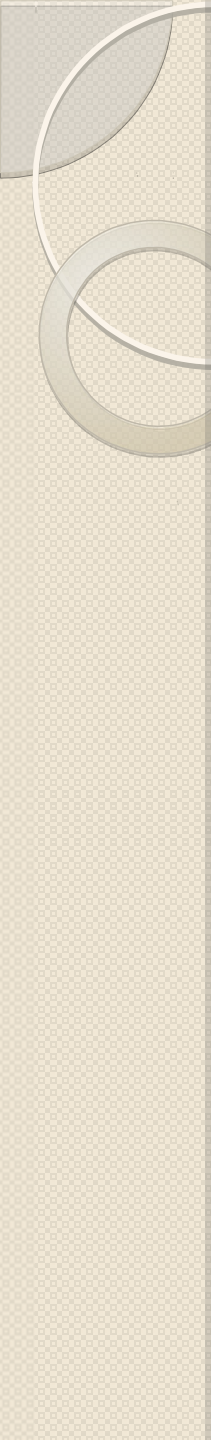
Eye lids closed



Case No - 2

- 63 years old lady presented with pain and watering from right eye
- Ulcerative nodular lesion involving lower eyelid from medial to lateral canthus
- Involvement of outer skin, eyelid margin, palpebral conjunctiva and loss of eyelashes



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- Clinical presentation
 - ✓ Basal cell carcinoma lower eyelid
 - Planned for excision biopsy, frozen section exam and proceed
 - Frozen section confirmed the lesion to be positive for malignancy
 - Planned for full thickness excision of lower eyelid and Temporal flap reconstruction

- Marking
- Triangulating the defect
- Full thickness excision of affected lid
- Nasal muco-cartilagenous graft to be used for conjunctival lining and cartilage for tarsal plate



Temporal Rotational Flap

- Good for very large defects
- **Advantage**
 - ✓ Single stage procedure
- **Preferable** for patients with:
 - ✓ Monocular vision
- **Disadvantages**
 - ✓ Lacks orbicularis, sagging

Steps of operation

- Excision
- Temporal rotation flap raised
- Muco - cartilage graft harvested





Muco cartilage graft





Pre-operative



Post-operative

Eyelid skin cancer

Most common eyelid skin cancers are:

- ✓ Basal cell carcinoma
- ✓ Squamous cell carcinoma
- ✓ Malignant melanoma
- ✓ Sebaceous cell carcinoma

Eyelid skin cancer

- Lesions occur most often on lower eyelid
- Presentation include
 - ✓ a painless elevation
 - ✓ loss of lashes
 - ✓ bleeding or crusting
- Excessive exposure to sunlight is single most important factor



Eyelid skin cancer

Treatment involves complete removal of the cancer followed by reconstruction of the affected area

Thank you!