



## Various Surgical Modalities of Pterygium

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### Abstract

Pterygium is a common condition characterized by vascularized conjunctival tissues appearing as a triangular conjunctival lesion with base and Apex.

Base merging with nasal aspect of bulbar conjunctiva and Apex cornea it's epithelium may undergo malignant change and stroma cystic degeneration.

Exact cause not known could be Genetic familial ultraviolet rays play a most important role.

Xeroderma pigmentosa is a risk factor.

**Keywords:** Pseudo Pterygium True Pterygium; Progressive Regressive; Fleshy Pterygium Non Fleshy Pterygium; Benign and Malignant

### Introduction

Pterygium is a kind of dysplasia it is a kind of cosmetic problem can induce astigmatism Nd very rarely can go to malignancy.

Main problem with pterygium surgery is it's recurrence so various modalities have come up to prevent it.

### Material and Methods

WE select the patients of pterygia and try to asses whether they are

- Progressive or regressive
- Pseudo or true
- Fleshy or non fleshy
- The excised pterygium tissue should be sent for hp report.

### Results

Results of pterygium surgery and it's recurrence depends of type of surgery.

Various modalities of surgery done so far are

- Simple excision
- Through and through excision with cauterization
- Excision with use of beta radiation
- Excision with use of mitomycin c
- Excision with implantation in lower formic
- Excision with lamellar keratoplasty
- Excision with use of contact lens
- Autograft
- Stem cell graft
- Amio notice membrane graft
- Argon laser
- Fibrin glue
- At present best surgical modality is autograft with fibrin glue

### Conclusion

Pterygium is a common condition.

Once Apex of pterygium involves visual axis it is an absolute indications of surgery use best possible surgical modality prevent recurrence.

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