



## Keratoconus and it's Ophthalmic and Medical Associations

### Gowhar Ahmad\*

Professor, Department of Ophthalmology, Florence Hospital Multispeciality Center Chanapora, India

\*Corresponding Author: Gowhar Ahmad, Professor, Department of Ophthalmology, Florence Hospital Multispeciality Center Chanapora, India.

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Keratoconus is a common ocular condition kind of corneal degeneration characterized by non-inflammatory corneal ectasia having a base and apex of come corresponding to plauciod and nipple cornea respectively.

Condition is usually Bilateral more common in females than makes with preponderance at puberty the condition is characterized by progressive changes in corneal curvature producing a kind of irregular corneal astigmatism hence not satisfactorily corrected by glasses.

However contact lenses are better than glasses and various types have been tried like

- Scleral
- Hybrid
- Customized
- Peggy
- Prosthetic
- Other modalities of treatment are
- Crossed corneal linkage

Here riboflavin eye drops are put every 5 minutes for one hour band eyed subjected to ultraviolet rays

- Intrastromal corneal ring
- Keratoplasty

Keratoconus is characterized by

- Munson's sign that is Distortion of lower lid margin when patient looks in downward gaze
- Folds and Ruptures in the Descemet membrane
- Positive Vogt Stream lying in post corneal Stroma and desal

- Visible and Enlarged corneal nerves
- Fleisher's ring it is brownish ring of hemosiderin at base of the Come

### Complications of Keratoconus

- Hydrops
- Keratalgias
- Glaucoma
- Ophthalmic Associations
- Cong cataract
- Aniridia
- ROP
- Persistent pupillary membrane
- Pigmentary retinal dystrophy
- Gyrate atrophy
- Retinitis pigmentosa
- V k Conjunctivitis
- K C Sicca
- Severe rubbing of eyes
- Some cases of LASIK
- Cong Lebers Amaurosis
- Blue sclera
- Ectopia LENTES
- Medical associations
- Mar fans syndrome
- Mitral valve prolapse syndrome

- Downs
- Turners
- Ed syndrome
- Croissants syndrome
- SLE
- Atopic dermatitis
- Achondroplasia
- Ears on pressure

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