



## Scenario of Keratoconus and Ocular and Medical Conditions Associated with it

### 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 condition a kind of corneal degeneration characterized by non inflammatory corneal ectasia which has got base and apex of cone corresponding to placoid and nipple cornea condition is usually bilateral more common in females with preponderance at puberty.

It is not a visual threatening disease but a visual disturbing one.

Keratoconus causes progressive irregular changes in corneal curvature producing irregular compound myopic astigmatism which can't be appreciably corrected by glasses however we have various surgical modalities of treatment in the form of contact lenses which are kind of scleral Hybrid Customized Peggy, Prosthetic 2 crossed corneal linkage.

Here riboflavin eye drops one drop is put every 5 minutes for one hour and eyes are exposed to ultraviolet rays

3 intrastromal corneal ring

- 4 keratoplasty
- Complications of keratoconus
- Corneal hydrops
- Keratalgias
- Glaucoma
- Key words
- Corneal ectasia
- Conical cornea
- Base and apex of cone

- Placoid and nipple cornea
- Munson's sign
- Flashers ring
- Folds and ruptures in destems membrane.

### Introduction

Keratoconus can be diagnosed

- Clinical examination
- Corneal topography

It is characterized by a sign known as Munson's sign.

Which is distortion of lower lid margin by bulged cornea when patient looks in downward gaze

- 2 folds and ruptures in destems membrane
- 3 enlarged corneal nerves or increased visibility of corneal nerves
- 4 Fleisher's ring which is brownish ring of hemosiderin at base of cone
- 5 positive Vogt stream present in post corneal stroma and disappears on pressure
- 6 rises sign presence of nasal corneal reflection.

Ocular conditions associated with keratoconus are

- Cong cataract
- Aniridia
- R O P

- Persistent pupilar membrane
- Ectopia lentos
- Blue sclerae
- Some cases of Lasik
- Severe rubbing of eyes
- Cong leers amaurosis
- Pigmented retinal dystrophy
- Gyrate atrophy
- Retinitis pigmentosa
- K c sicca
- Vernal k conjunctivitis
- Medical conditions associated with keratoconus
- Marans syndrome
- Mitral valve prophase syndrome
- Downs syndrome
- Turner's
- Osteogenic imperfecta
- Atopic dermatitis
- S L E
- E Danlos syndrome
- Achondroplasia
- Cousins syndrome.

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