

# AL-MUSTAQBAL University College of Health and Medical Technologies Department of Optical Technologies

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MSc Optometry

Subjective : Prosthesis eye
Cases Where Prosthetic Eye Cannot Be Used

#### 1. Severe Socket Damage or Absence:

- Anophthalmia (absence of eye and socket)
- Extreme phthisis bulbi (shrunken, non-functional eye)
- Severe orbital trauma or infections
- Lack of proper structural support for prosthesis



#### 2. Chronic Infections or Severe Inflammation:

- Endophthalmitis or orbital cellulitis
- Chronic discharge and pain preventing prosthetic use
- Risk of recurrent infections leading to implant failure



#### 3. Poor Eyelid and Conjunctival Health:

- Severe eyelid malformations (e.g. Ankyloblepharon, coloboma)
- Eyelid contractures from burns or trauma
- Conjunctival scarring (symblepharon)
   affecting prosthetic retention
- Insufficient tear film causing discomfort



## 4. Psychological and Functional Challenges:

- Patient discomfort or inability to adapt
- Neurological conditions affecting eyelid function
- Facial nerve paralysis preventing prosthetic retention

### 5. Alternative Options and Conclusion:

- Surgical reconstruction or orbital implants
- Custom-made scleral shells
- Importance of multidisciplinary assessment (ophthalmologists, prosthetic specialists, and surgeons)

