**Purpose**

To establish a procedure on how to process a corneal button for histological evaluation.

The most common reasons for corneal transplantation include: pseudophakic or aphakic bullous keratopathy, Fuchs' dystrophy, keratoconus, corneal scaring, corneal dystrophies, corneal infections, and repeat penetrating keratoplasty for graft failure or rejection. [[1]](#footnote-1)

**Procedure**

* Measure diameter and thickness.
* Describe if cornea is translucent, discolored, thickened or ulcerated.
* Bisect specimen, slightly off centered.
* Submit between 2 biopsy sponges.

**Sections for Histology**

* Submit entire specimen in 1 cassette.

**Sample Dictation**

“Corneal Button OD”, Received in a small container filled with formalin is a 0.8cm in diameter x 0.2 cm think intact cornea. The cornea is centrally opaque and markedly thickened. Bisected. A1. 2ns

**Sample Photographs**





Bisect cornea slightly off center.

**References**

1. https://www.uic.edu/depts/mcpt/eyepath/speccor.htm
1. https://www.uic.edu/depts/mcpt/eyepath/speccor.htm [↑](#footnote-ref-1)