

Course Description

The course will provide a brief review of common management tools for corneal dystrophies, while also providing an introduction and overview of recent additions to the management toolbox.

Additionally, genetic, anatomical, histological, and clinical factors of common anterior, stromal, and posterior corneal dystrophies will be discussed, and current management options for each dystrophy will be reviewed.



2

Course Objectives

- □ To provide a working "definition" of corneal dystrophies
- □ To review corneal anatomy
- □ To provide a broad classification of corneal dystrophies based on corneal anatomy
- □ To review issues of inheritance and onset of corneal dystrophies
- □ To review examination strategies used in diagnosing corneal dystrophies



3

Goals/Objectives

- □ To provide a review of common management options for corneal dystrophies
- To provide a more in-depth review/introduction to new options for the management of corneal dystrophies



4

Goals/Objectives

- □ To provide a review of common anterior, stromal and posterior corneal dystrophies, looking at the following factors
 - ■Naming
 - □Genetic
- ■Anatomical
- ■Histological
- Clinical
- ■Management



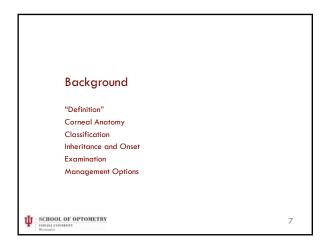
Disclosures

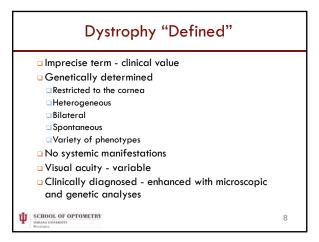
None

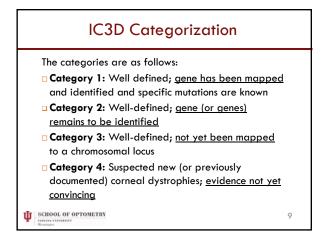
Thanks to Drs. Brad Sutton and Lorie Logan for photos

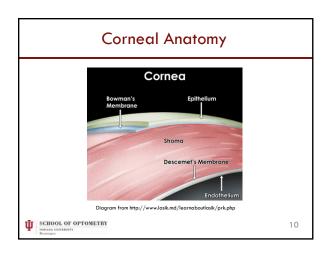
SCHOOL OF OPTOMETRY

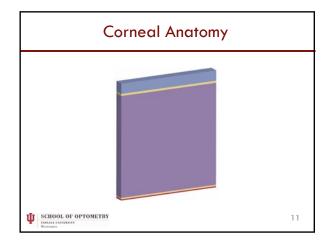
6

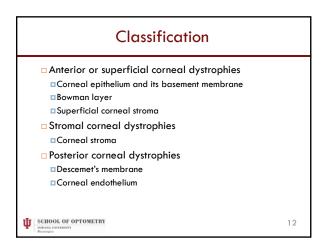


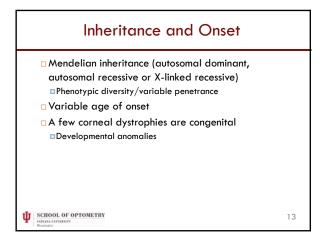


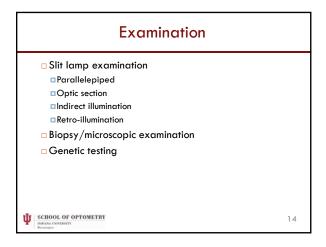


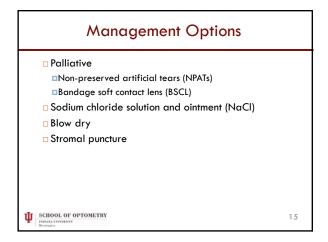


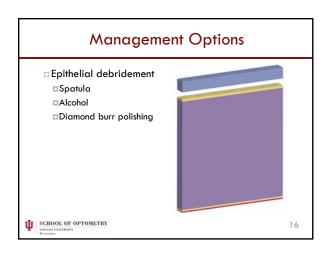


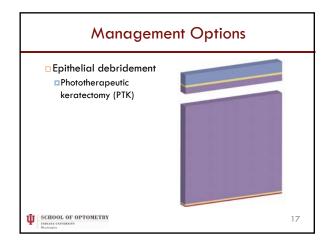


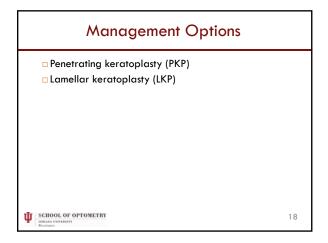


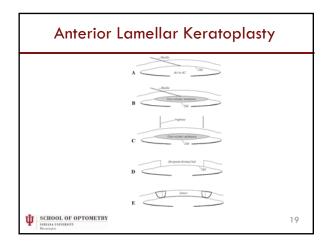


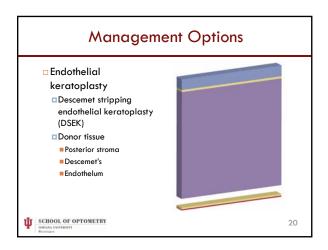


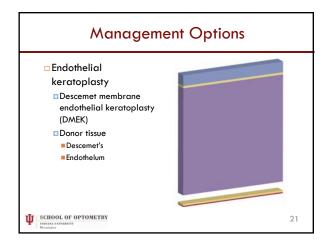


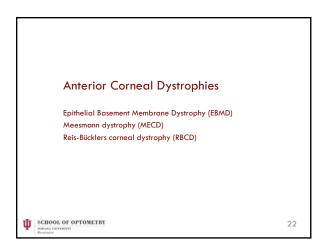


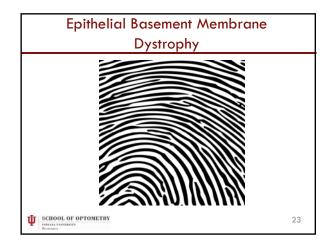


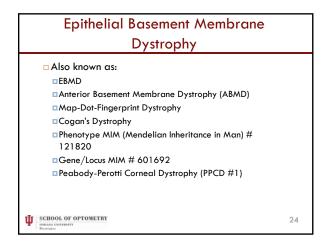


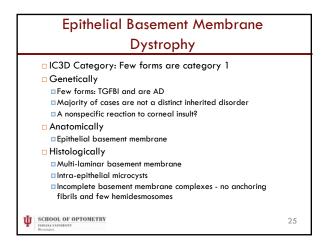


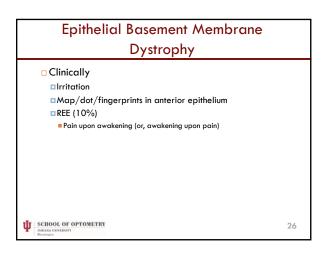




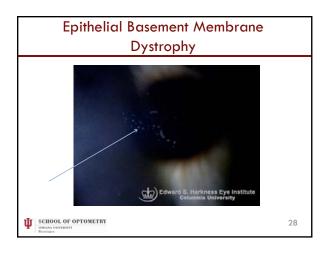


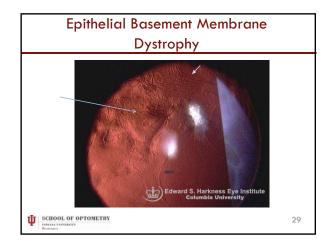


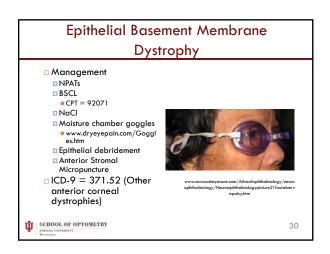


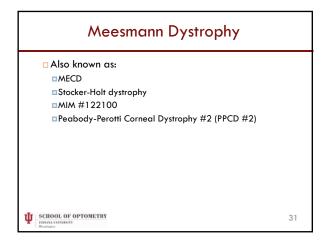


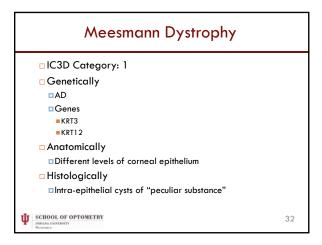


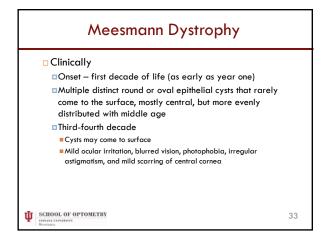


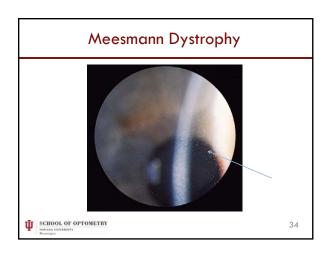


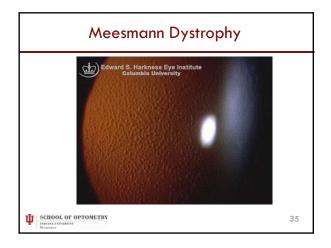


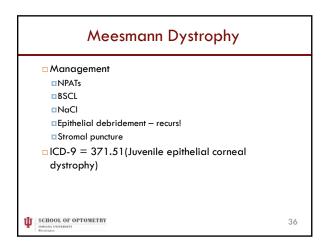


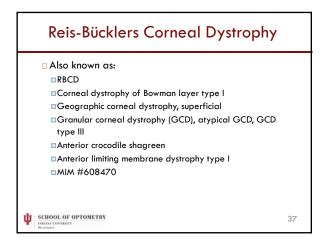


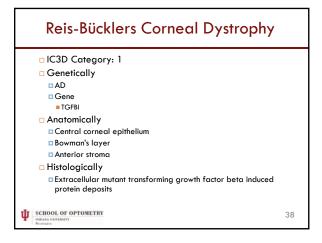


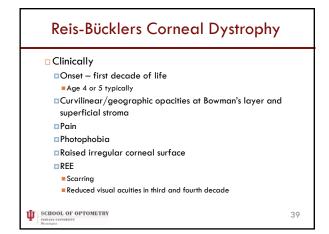


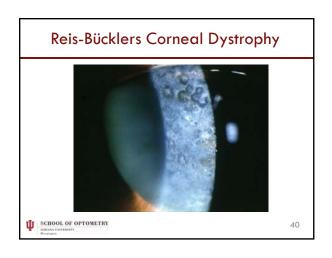


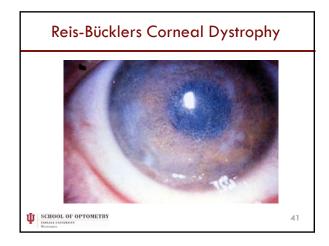


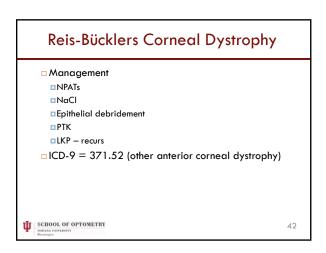


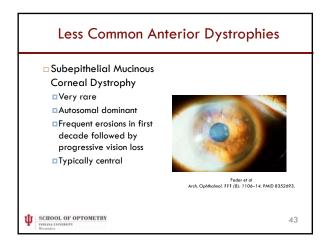


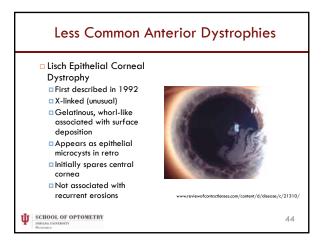


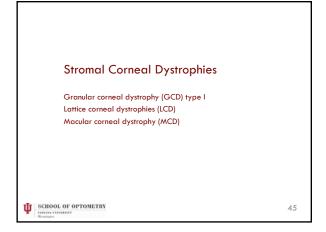


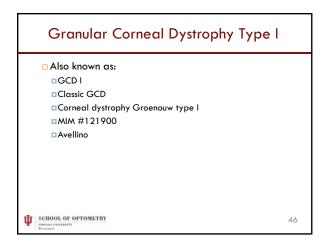


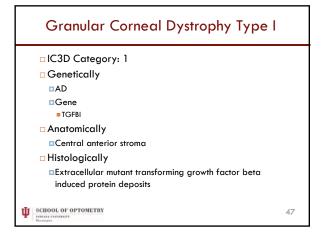


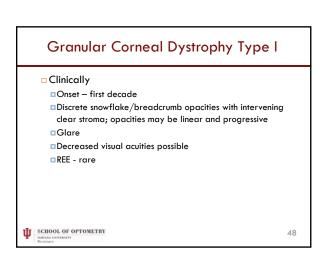


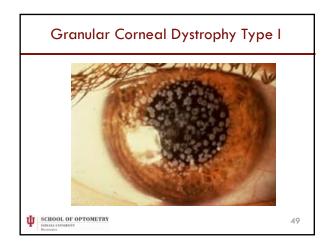


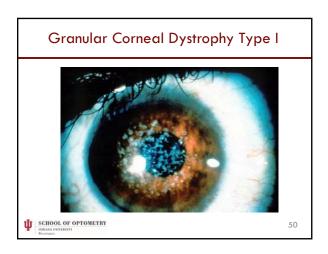


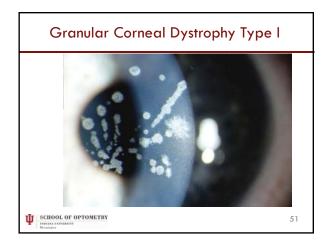


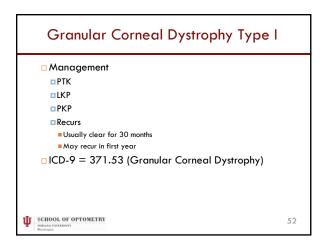












Lattice Corneal Dystrophies

Also known as:

Biber-Haab-Dimmer dystrophy
MIM #1 22000

LCD 2 - Systemic associations (not "true" dystrophy)

Familial amyloid polyneuropathy type IV

Finish or Meretoja type

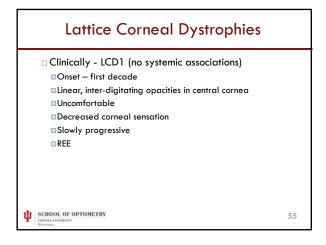
FAP type IV

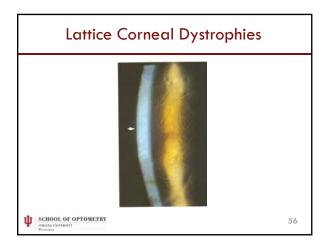
Meretoja syndrome

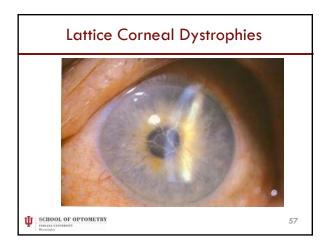
MIM #105120

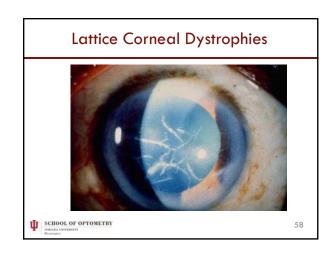
Lattice Corneal Dystrophies

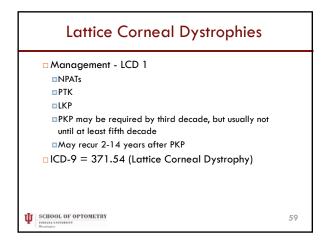
IC3D Category: 1(type 1 only)
Genetically
AD
Gene
IGFBI (Type 1 and variants)
GSN (Type II)
Anatomically
Stromal
Histologically
Amyloid deposits

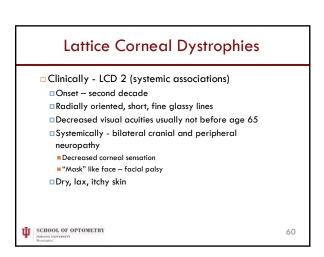


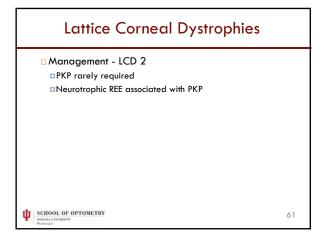


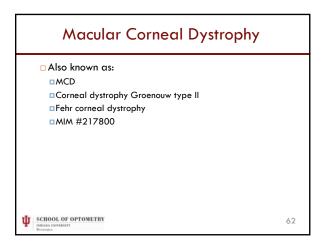


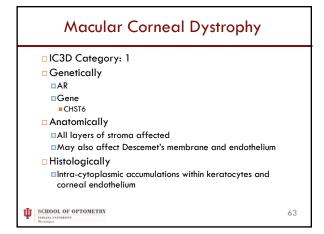


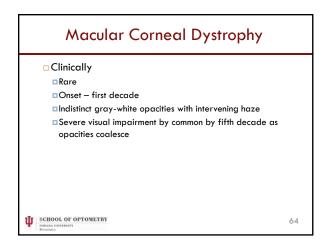


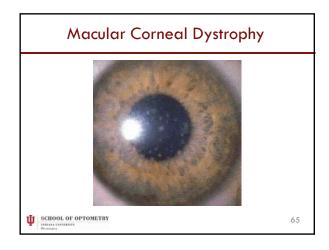


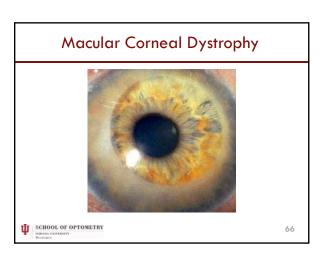


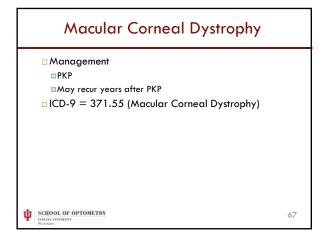


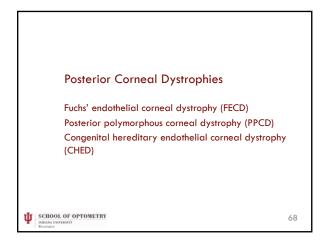


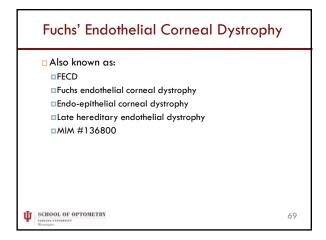


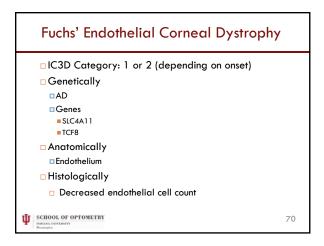


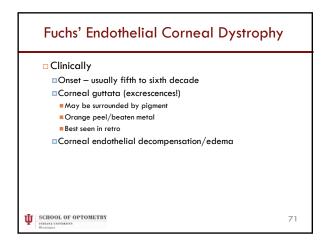


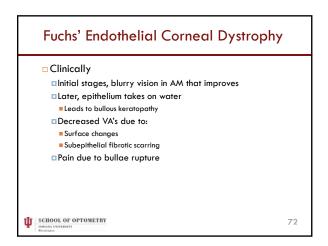


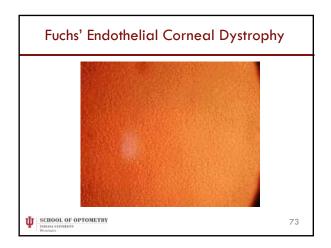


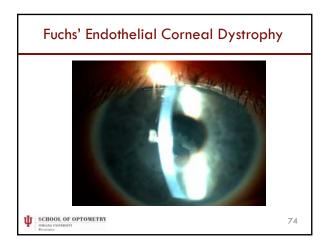


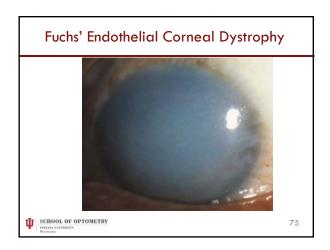


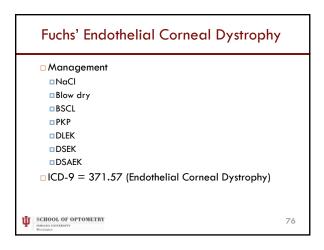


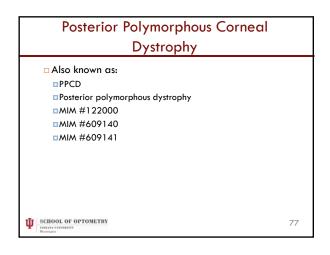


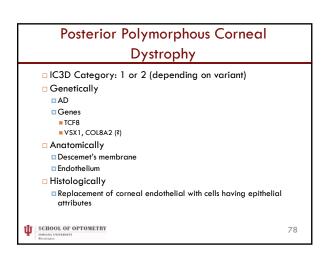


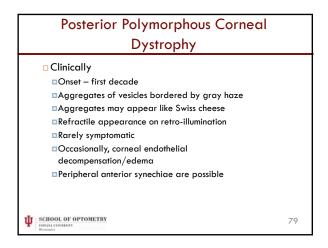


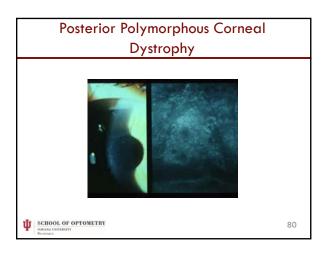


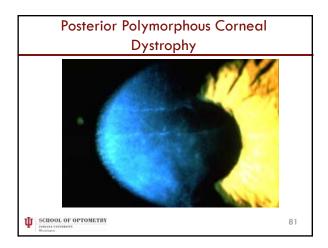


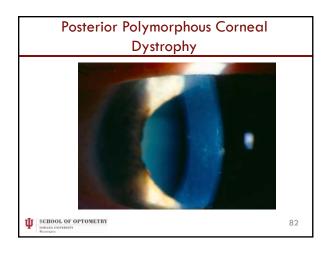


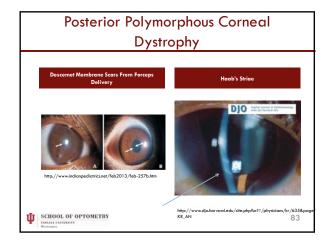


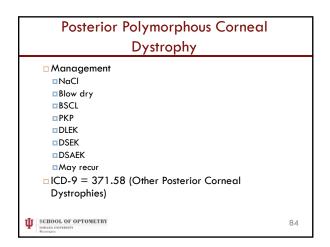


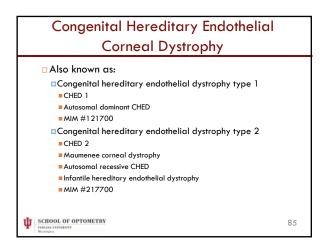


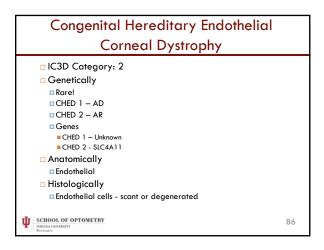


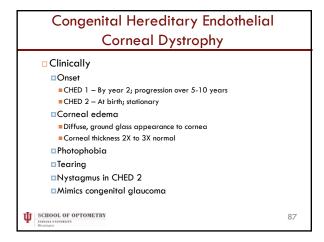


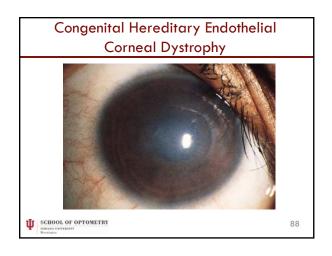


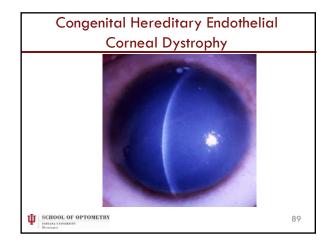


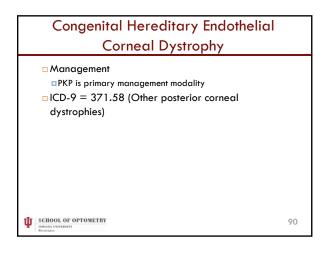


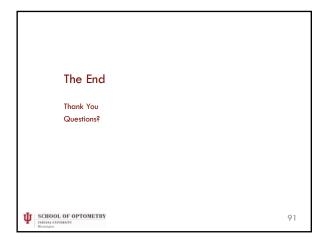


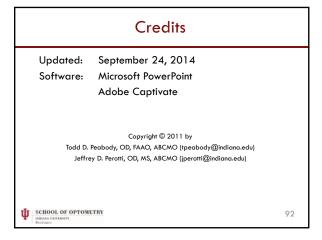


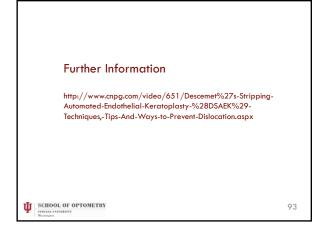


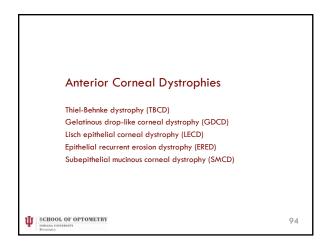


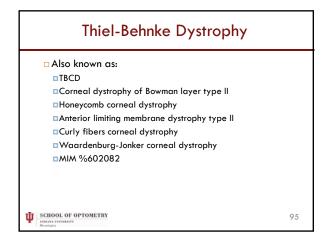


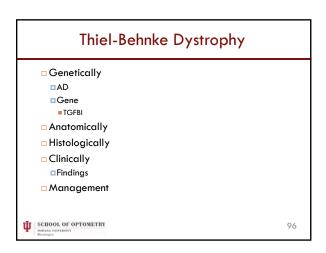




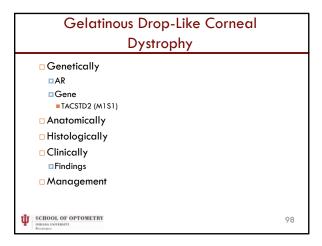


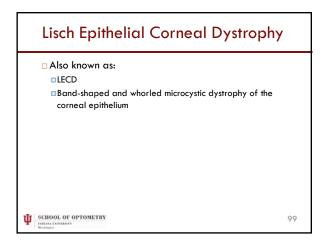


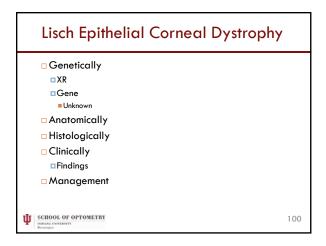


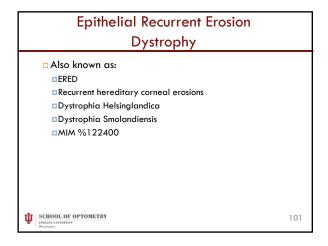


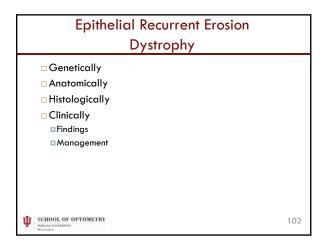
Gelatinous Drop-Like Corneal Dystrophy Also known as: GDCD Subepithelial amyloidosis Primary familial amyloidosis MIM #204870



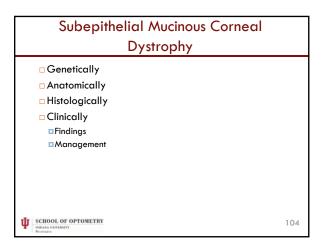


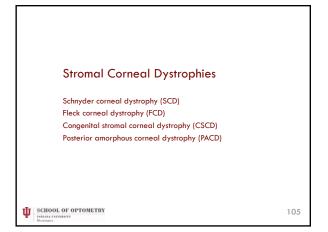


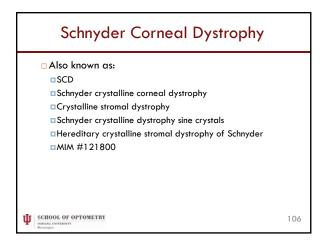


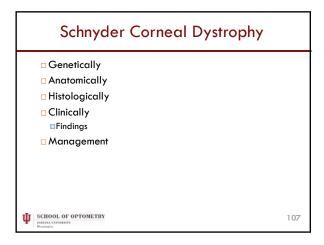


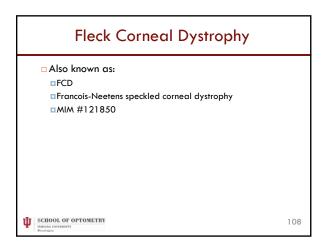
Subepithelial Mucinous Corneal Dystrophy Also known as: SMCD SCHOOL OF OPTOMETRY MINIAMENTAL STREET STREE



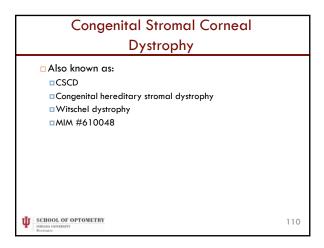


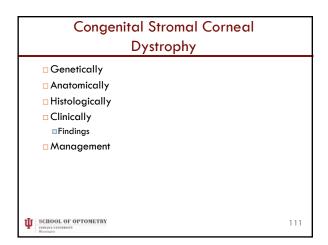


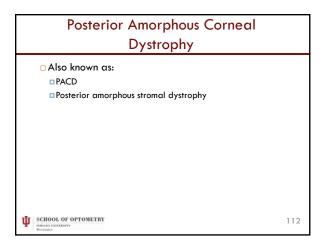


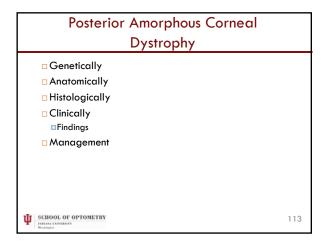


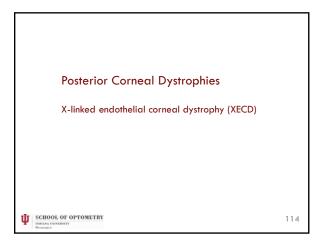
Fleck Corneal Dystrophy Genetically Anatomically Histologically Clinically Findings Management SCHOOL OF OPTOMETRY

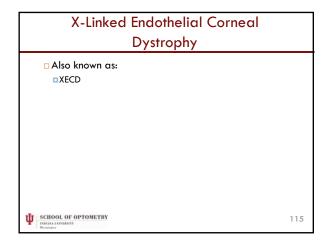


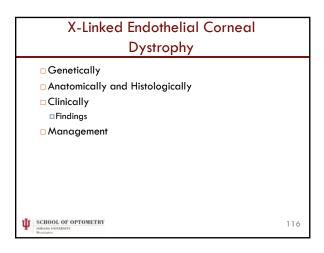


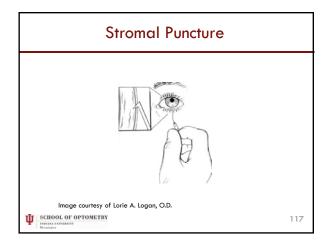




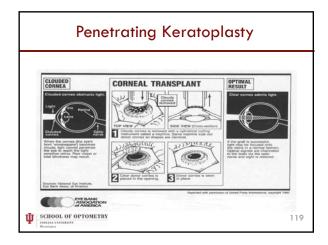


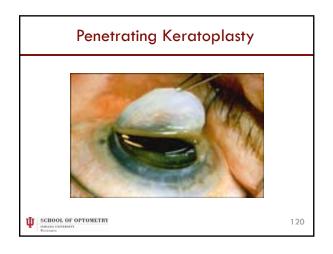












20