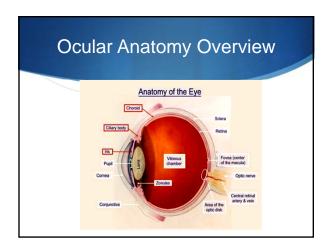
Jenean Carlton BA, ABOC, NCLC President, Carlton & Associates, LLC – Carlton and Associates, LLC provides communications and educational materials for the optical industry Contributing Editor for Refractive Eyecare magazine. Contributing Author Eyecare Business magazine. Communications Committee member OWA. Has been in the optical industry for 30 years with more than half of this time working in practices. Vision Monday's Most Influential Women Award in Optical 2005

Ocular Anatomy and Motility

- ♦ Course #214 Monterey Symposium
- Jenean Carlton BA, ABOC, NCLC



The Human Vision System

- The eye is an amazing organ that works like a camera.
- Think of the cornea and crystalline lens as the lenses of a camera, the iris as the shutter, and the retina as the photographic film.



The Human Vision System

√The brain can be thought of as the development center because it converts electrical signals from the retina into vision.

Vision takes place in the occipital lobe of the brain



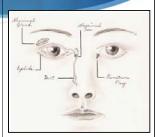
Lids and Lacrimal System

Outer: the lipid layer (meib

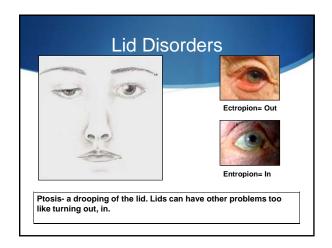
glands in lids) is the oil layer.

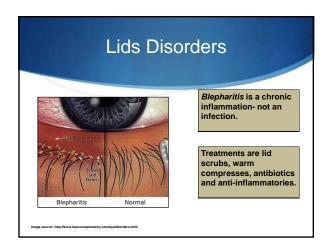
Middle: the aqueous layer (lacrimal glands) is mainly water and provides oxygen and nutrients.

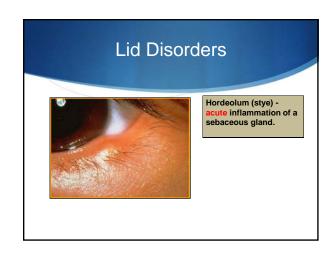
Inner: the mucin layer (goblet cells in conjunctiva) helps the tears adhere to the cornea. It is the mucus layer.

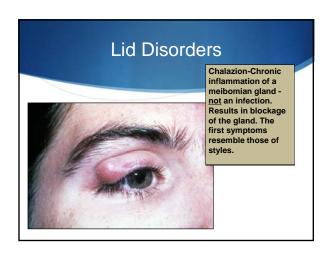


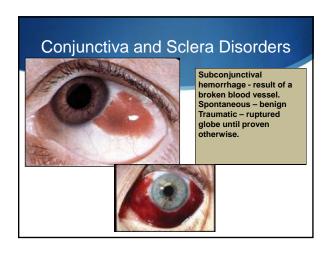


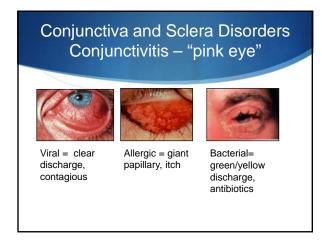


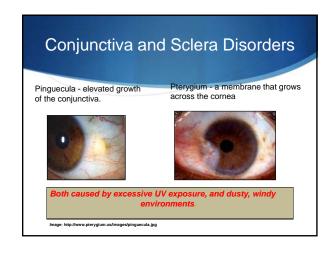


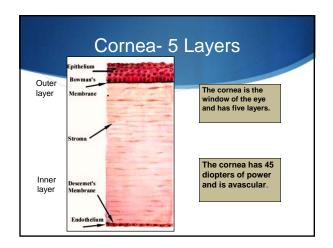


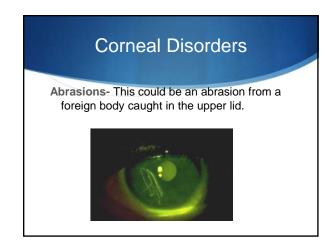


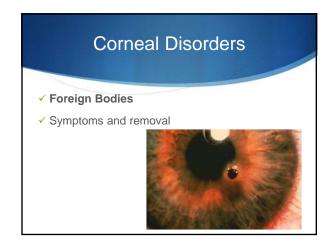


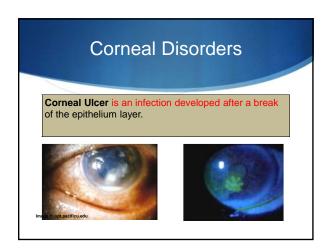


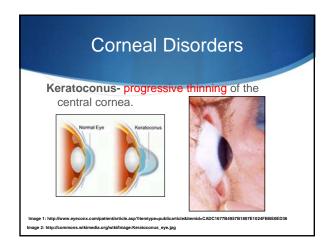


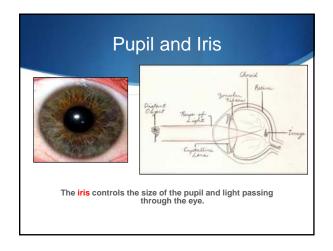


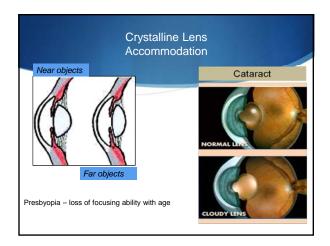


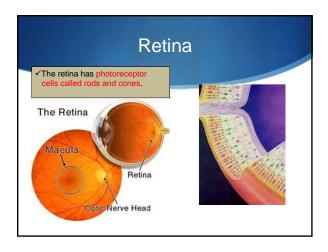


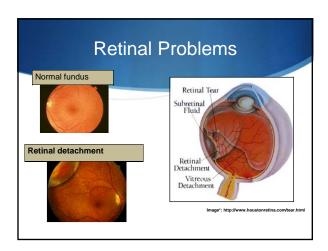


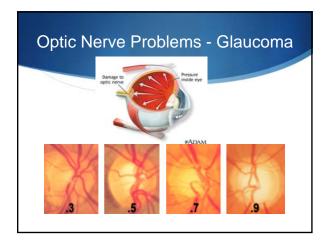


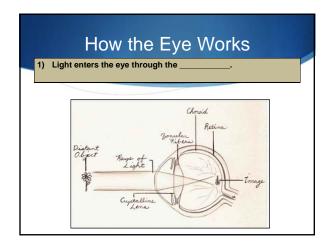


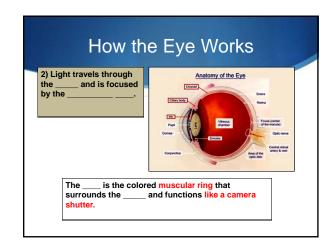


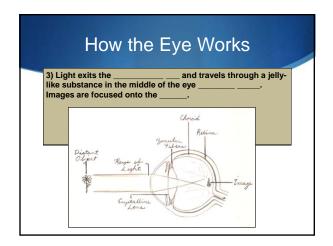


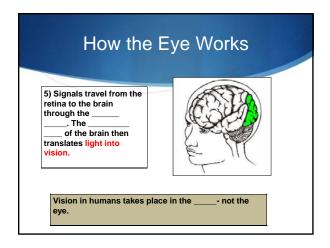


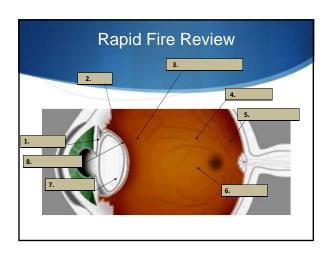


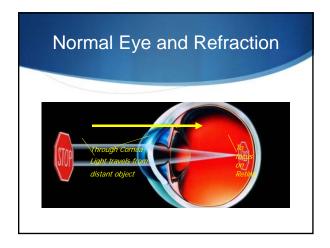


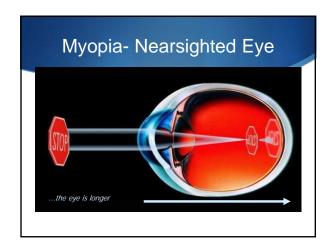


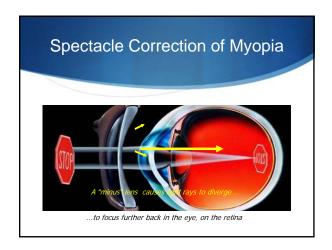


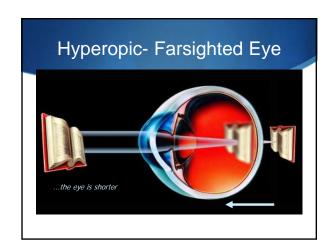


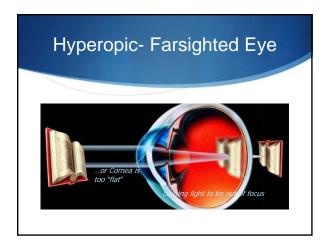


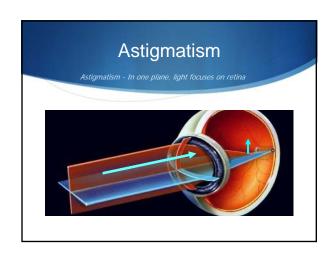


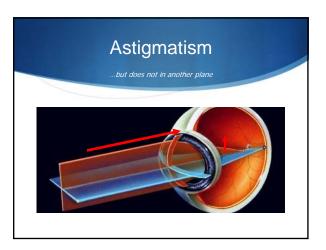


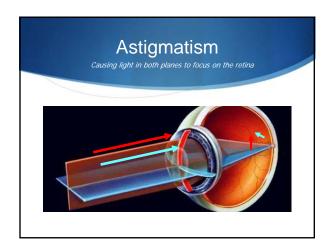


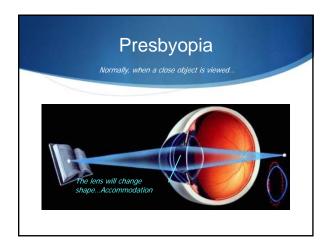


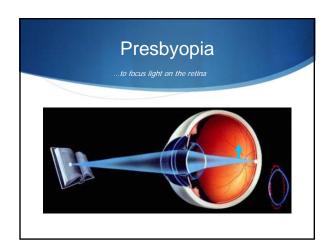


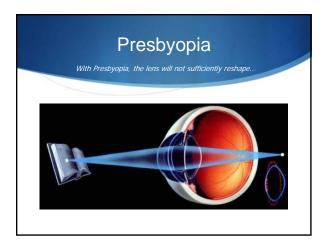


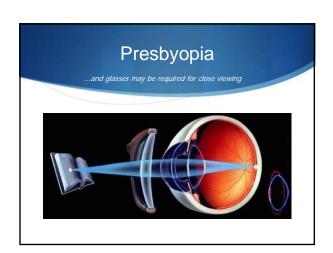


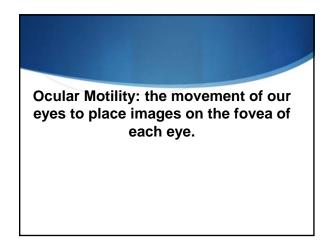


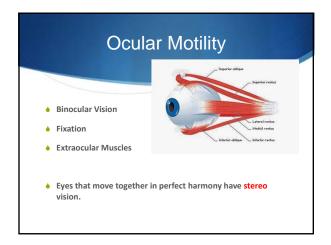


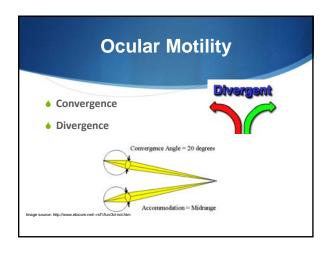


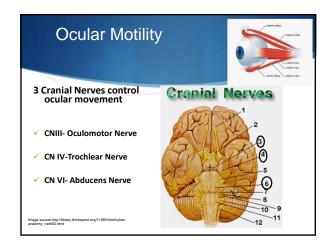


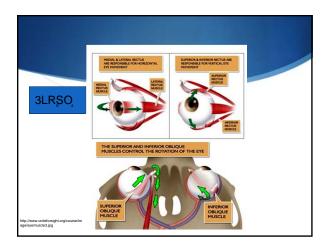


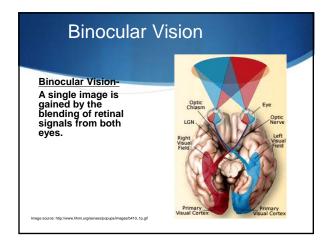


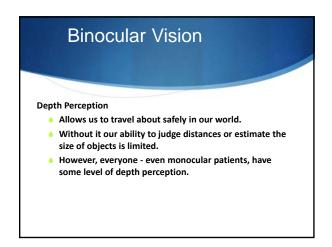


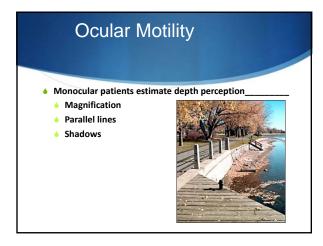


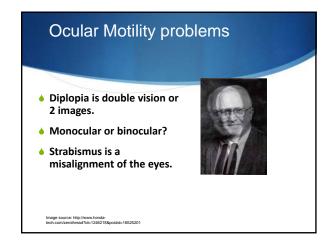


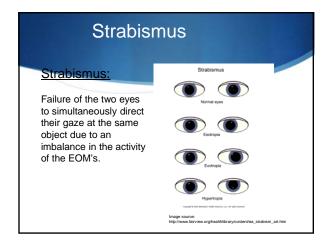


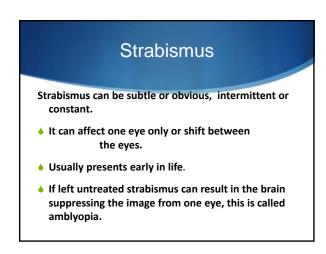


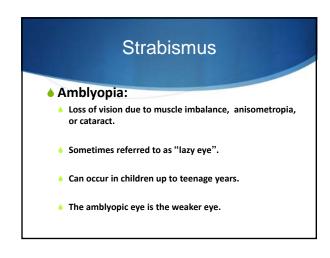


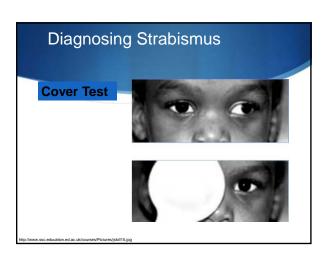


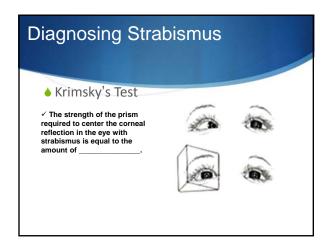


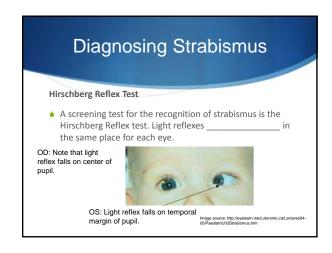


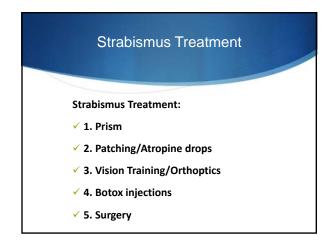


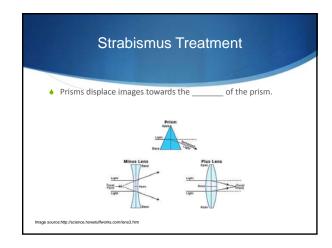


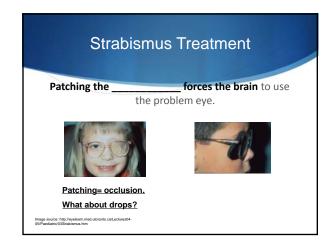




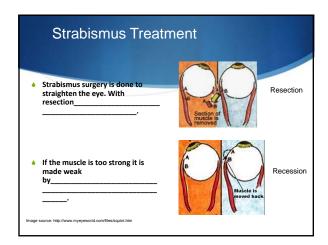


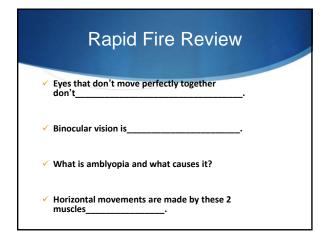


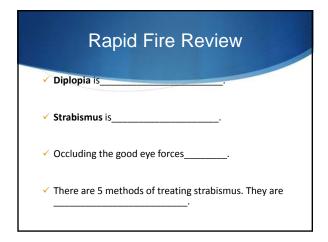












Thank You!!

• Please contact me: jeneancarlton@bellsouth.net