MDG and DED Treatment with amniotic membrane workshop

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We will go over many of the modern treatments to treat MGD to help you give patients relief and for you to keep your happy patients in your care.

We will have a demonstration and hands on training on some techniques discussed

Disclaimers

Essilor
Alcon
Ophthlogix
OOGP
Signet
NuSign
Katena

Dry eye is a multifactorial disease of the ocular surface characterized by a loss of homeostasis of the tear film, and accompanied by ocular symptoms, in which tear film instability and hyperosmolarity, ocular surface inflammation and damage, and neurosensory abnormalities play etiological roles.

Short Answer

- Aqueous deficiency
- or
- Evaporative
**Aqueous deficiency**
- Need more tears
- Stimulate lacrimal gland
- Reduce tear drainage

**Evaporative**
- Need to stop evaporation
- Increase lipid flow
- Enhance meibomian gland function

**Dry Eye: The Problem For Patients**
- Miserable: Dry eye is a constant irritant and has real lifestyle effects
- Frustrated: Very few ‘treatments’ work and many are costly
- Looking: Switch practices 3 – 4 X’s for relief (average, AOA statistics)

**Dry Eye Therapies**
- OTC Artificial Tears
- Rx Drugs (cyclosporine / lifitegrast)
- Punctal Plugs
- Nutritional Supplements
- Blink Exercises

**Autologous Serum**
- The concept of using serum as an eye drop is based on the understanding that there are biochemical similarities between an individual's serum and natural tears
Radio Frequency

- Heats the deep layers without damaging epidermis
- In Texas?

Intensed Pulsating Light

- IPL use wavelength to penetrate beneath epidermis
- Can we use this in Texas????

Lid Treatments

- Expensive for doc and patient
- Not comfortable
- Cash payments/ no insurance

High Speed Rotating Scrub

- Rotates to scrub away biofilm from lid margins

Non abrasive Oscillating Treatment

- In office and at home
- Not as abrasive as rotating but not a replacement for deeper scrub

Electric Heat

- Has timer/ cost$ in office and at home
Mask/ Heat

- Inexpensive/ home treatment/ takes time

Superficial punctate keratitis

Amnio with plastic carrier

- Expensive, not comfortable, easy to insert

Amniotic membrane

- Store dry, less expensive, long shelf life
- we will show you the ease of placement

Why Amnio

- An amniotic epithelial cell is a form of stem cell extracted from the lining of the inner membrane of the placenta
- Surrounds the developing fetus
- Derived from fetal tissue
- Amnion is translucent structure adjacent to amniotic fluid and provides nutrients
- Chorion is opaque membrane attached to the decidua

**At Home Dry Eye Treatment**

- Demo the home oscillating meibomian gland stimulation
- Demo lid speculum insertion
- Hands on amniotic membrane insertion

Thank YOU

- Questions?
- Have a great weekend