## Makeup and the **Ocular Surface**

....  $\sim \sim \rho$  where  $\rho$  and the eye care world, where the line between the two is often blurred.

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NuLids Tear Film and Ocular Surface Society, Public Awareness Committee Member

Twenty/Twenty Beauty

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\*All relevant financial relationships have been mitigated. The content of this COPE-accredited CE activity was planned and prepared independently by Pamela Theriot, OD, FAAO without input from members of an ineligible company.

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## Selina McGee, OD, FAAO

- BeSpoke Vision
  - Founder, Chief Optometrist
- TFOS Lifestyle Workshop:
- Cosmetics Committee member
- Intrepid Eye Society
- Vice President
- Oklahoma Association of Optometric Physicians
- President 2019-2020
- · Modern Optometry Journal Co-Chief Medical Editor



Pam Theriot, OD, FAAO

- Lusk Eye Specialists
- Clinical Director of Dry Eye Relief Center
- TFOS Lifestyle Workshop:
   Public Awareness committee Member
- TEDx Grandview Heights January 2025 Daily Habits for Clear Vision in the Digital Age
- 2025 Dry Eye Columnist
   Optometric Management
- Author
- Alleviate Dry Eye
- Website / Blog / Courses



Why are we here?

Cosmetics and the Ocular Understanding the Risks

products have become an integral part of many people's daily routines. However, the use of these products, especially around the delicate eye area, can have significant impacts on the health and function of the ocular surface

It is important to understand the potential risks associated with the use of cosmetics, such as the

presence of carcinogens, endocrine disruptors, neurotoxins, and formulations. These ingredients can have adverse effects on the eyes and surrounding tissues.

Promoting Ocular Health

By raising awareness about the potential issues and educating consumers on safer alternatives, we can help promote the overall health and well-being of the ocular surface and prevent long-term complications from the use of certain



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Additionally, failure to comply with certain
FDA requirements

1 Failure to comply with certain FDA requirements can lead to a cosmetic or personal care product being marked as misbranded, a consequence very familiar to pharmaceutical manufacturers.

2 MoCRA also gives additional powers to FDA in regulating cosmetics and personal care products, including:

Establish Good Manufacturing Practices that all manufacturers need to follow

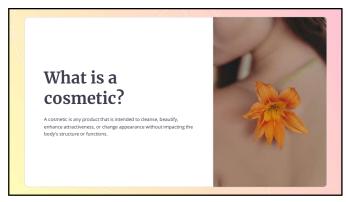
Ability to request records to substantiate a product's affety

Authority to request a mandatory product recall

Establish an absenso testing method for talc containing products

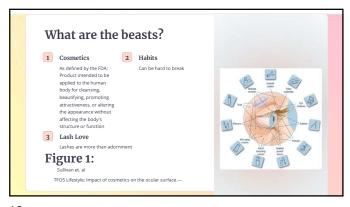
Assess the safety and use of FFAS (per- and polyfluoroalityf) chemicals

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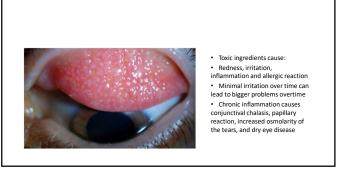
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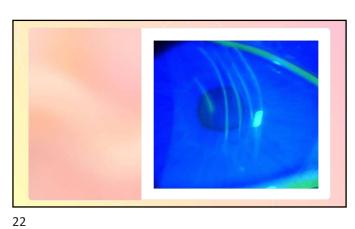
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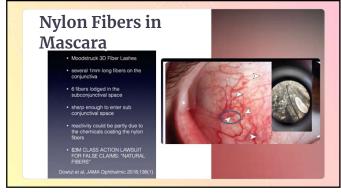


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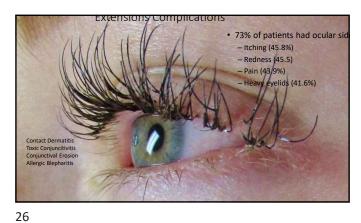
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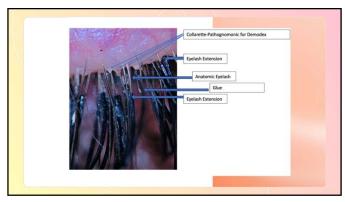






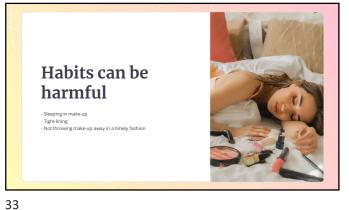


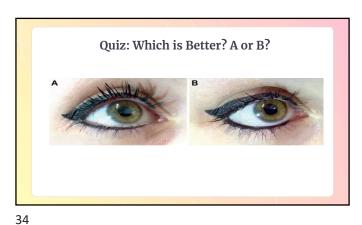














Don't Use Contaminated Makeup • Liquid foundation and Primer – 1-2 years Primer – 1-2 years Lipstick – 1 year
 Mascara – 3 months Liquid Eyeliner - 3 months Eye Shadow pallets - 2 years
 Pencil Eyeliner - sharpen daily Nail Polish – 2 years • Sunscreen – 2-3 years

35 36







Oil Based Makeup
Remover

PROS:

Melts away tough makeup with oil in the formulation

Penetrates deep into the pores to dissolve impurities

Infuses the skin with good, natural oils

CONE:

CONE:

Can leave skin feeling oily and need to use a cleanser to remove

a cleanser to remove

Can dissolve the glue on eyelash extensions.

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MAKEUP REMOVER CLOTHS

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- PROS:
  - No chemicals included at all
  - Can be washed and reused over and over again
  - Environmentally friendly
- CONS:
  - Depending on the cloth, may need to rub more firmly
  - More expensive in the short run
  - (Buying 3 7 clothes at first, but keep these cloths for years to come)

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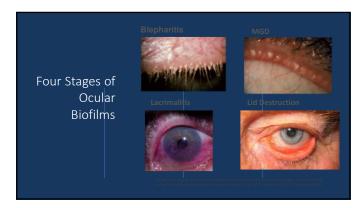


#1 Cosmetic Concern of Your Patients: Redness

- Causes:
- Inflammation
- Allergy
- Irritation
- Toxicity
- Rosacea
   Demodex
- Bacteria
- BioFilm



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Biofilms extend past the lid margin into the palpebral conjunctiva and fornix
Treat with high powered lavage of sterile saline or BSS.

Glands of the Human Ocular Surface

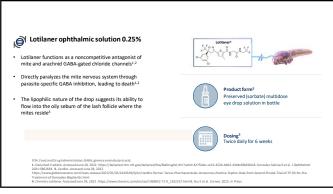
(Mein)
LACRIMAL Gland

Accessory
LACRIMAL
Glands

MIAN
Glands

© by Erich & Nadja Knon – ENKi—
Ocular Surface Center Berlin (OSCB-Berlin.org)

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COLLARETTE SCALE USED TO DETERMINE SEVERITY OF DEMODEX BLEPHARITIS

Grades 2-4 Indicate Clinically Significant Disease

GRADE 3

GRADE 3

GRADE 2

GRADE 1

GRADE 1

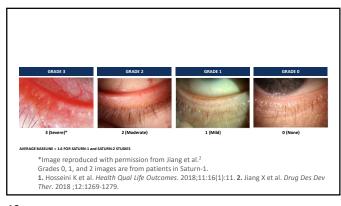
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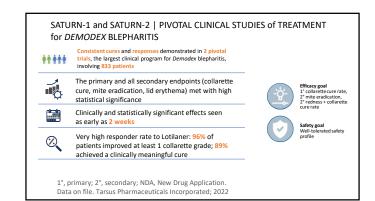
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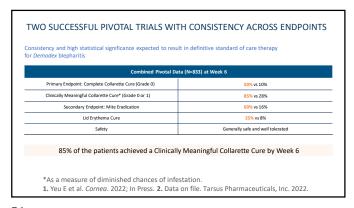
GRADE 1

GRADE 3

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- Adhesives
- Magnetic Liner
- Double magnet
- Best practices for care of lashes and lids

**False Lashes** 

- False eyelashes need to be attached to your lids or lashes in some way.
   Adhesives and glues contain toxic ingredients.
   Look for formaldehydes
   Toxic adhesives on the lids can cause damage to your oil glands.
   Because false lashes are longer, than your normal lashes, they fail to protect your eyet the way your natural lashes were designed



57 58



## Adhesive False Lashes

- Adhesive sticks directly to the delicate skin on the upper eyelids
   Many adhesives and glues contain formaldehyde
- Daily removal can cause skin irritation and thinning
- Delicate skin of the eyelids

Eyelash Extension Home Care System



Clean and Eco Friendly

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## Magnetic Liner False Lashes

- Utilizes metallic liner
- Magnets on Lash Strip
- Magnetic Eyeliner is typically safe for people with sensitive skin. Formula contains no heavy metals or parabens. It contains iron powder, which is non-toxic according to the EWG



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Double gnetic Lashes Magnet Lashes • Magnets on top of the lash adhere to magnets under your lashes • Make a sandwich effect with your natural lashes in between • Multiple magnets on each strip • Heavy?

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## When can you use them?



- Safer Lash Practices
   Consider a sparse fill
- Formaldehyde free glue
   More Natural length of lash

- Avoid
   Super long lashes
   Other Materials feathers, wings



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## Blepharopigmenation (Eyeliner Tattooing)

- Dermatitis
- Allergic Blepharitis Allergic reaction to the pigment
- Misapplication of the ink Tear Film Instability



Eyebrows have become a major focus in the beauty industry in recent years. From microblading to lamination, there are many treatments and products available to help shape. [II], and enhance the brows. This trend reflects the desire for a more polished, defined look that frames the eyes and face.

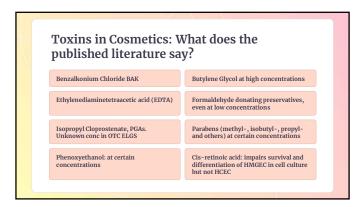
**Brows** are trendy



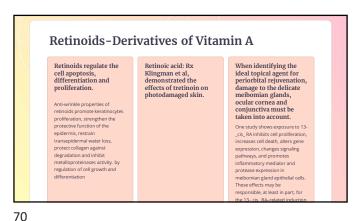


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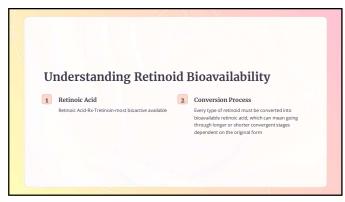






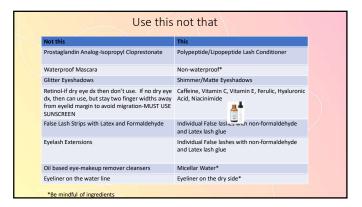


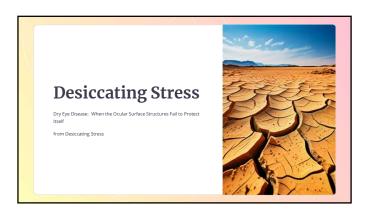
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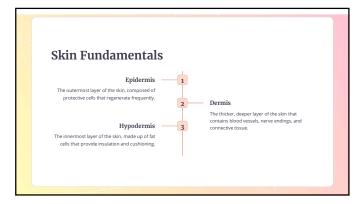




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Topical Skin Care

Cleanse
Hydrate
Exfoliate
Even skin tone
Combination of the above
THAT is all they do-they do not remove wrinkles, or eye bags, or any other claim
Retabolized by comes and conjunctiva are necessary for ocular surface health

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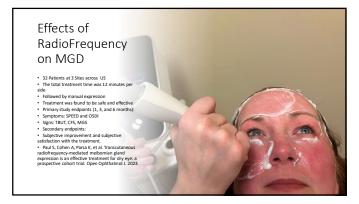


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- Monopolar and Bipolar Radiofrequency for Dry Eyes



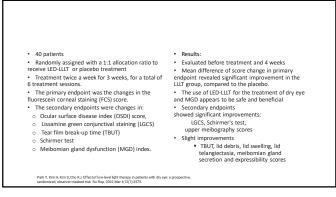
**Intense Pulsed** Light (IPL) 1 MGD, Rosacea Target Chromophore: Oxyhemoglobin, Melai 3 Non-invasive Skin Types I, II, III easily, IV carefully, V rarely, VI-neverly©

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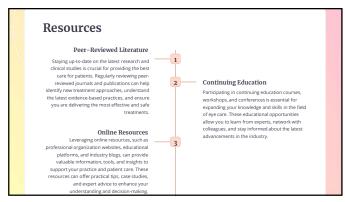


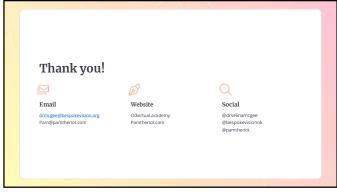






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