

1 **A Tear Jerking Update on Dry Eye Disease**

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2 **DISCLOSURE**

No financial disclosures

3 **DEFINITION**

4 **DEWS I versus DEWS II**

- Emphasis that dry eye is indeed is a "disease"
- The addition of "loss of homeostasis"
- Symptoms become key element in the classification – more generic term
- Neurosensory abnormalities that contribute to common mismatch between signs and symptoms
- Main goal was resolving the confusion between diagnostic versus pathophysiological features, acknowledging etiological triggers, and recognizing neurosensory abnormalities

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- 9 **DEWS II**
TFOS DEWS II Definition and Classification Report (2017)
- 10 **DRY EYE DISEASE**
- 11 **ANATOMY OF THE TEAR FILM**
- 12 **CLASSIFICATION OF DRY EYE**
- 13 **CLASSIFICATION OF DRY EYE**
- 14 **CLASSIFICATION OF DRY EYE**
TFOS DEWS II Definition and Classification Report (2017)
- 15 **CLASSIFICATION OF DRY EYE**
TFOS DEWS II Definition and Classification Report (2017)
- 16 **CLASSIFICATION OF DRY EYE**
- 17 **OSMOLARITY**
 - Offers objective numerical output
 - Tear osmolality threshold of 308 mOsm/L = discriminates between normal and DED
 - Hyperosmolality = > 308 mOsm/L
- 18 **OSMOLARITY**
- 19 **INFLAMMATION**
- 20 **INFLAMMATION**
The cycle of dry eye disease Allergan, Inc (2005)
- 21 **DRY EYE DISEASE**
- 22 **EPIDEMIOLOGY**
- 23 **EPIDEMIOLOGY**
ENVIRONMENTAL FACTORS
- 24 **EPIDEMIOLOGY**
TODAY'S DIGITAL WORLD
- 25 **EPIDEMIOLOGY**
TODAY'S DIGITAL WORLD
- 26 **EPIDEMIOLOGY**
TODAY'S SURGICAL WORLD
- 27 **EPIDEMIOLOGY**
TODAY'S SURGICAL WORLD
- 28 **SOFT VERSUS**
GAS PERMEABLE LENSES
- 29 **EPIDEMIOLOGY**
♀ VERSUS♂

- 30 **EPIDEMIOLOGY
♀ VERSUS♂**
- 31 **DRY EYE DISEASE**
- 32 **QUESTIONNAIRES**
- 33 **QUESTIONNAIRES**
- 34 **DRY EYE AND CL
CORNEAL STAINING**
- 35 **DRY EYE AND CL
CORNEAL STAINING**
- 36 **DRY EYE AND CL
CORNEAL STAINING**
- 37 **DRY EYE AND CL
CORNEAL STAINING**
- 38 **TEARLAB**
- 39 **TEARLAB**
- 40 **INFLAMMADRY**
- 41 **INFLAMMADRY**
- 42 **INFLAMMADRY**
- 43 **TEARSCAN MICRO-ASSAY**
- 44 **TEARSCAN MICRO-ASSAY**
- 45 **KERATOGRAPH**
- 46 **KERATOGRAPH
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- 47 **KERATOGRAPH
CRYSTAL TEAR REPORT**
- 48 **LIPIVIEW**
- 49 **LIPIVIEW
MEIBOMIAN IMAGING**
- 50 **LIPIVIEW
LIPID LAYER THICKNESS**
- 51 **LIPIVIEW
AUTOMATED BLINK ANALYSIS**
- 52 **MEIBOMIAN GLAND EVALUATOR (MGE)**
- 53 **DRY EYE DISEASE**

- 54 **DRY EYE AND CONTACT LENSES**
- 55 **DRY EYE AND CL WHY DO WE CARE?**
- 56 **DRY EYE AND CL WHY DO WE CARE?**
- 57 **DRY EYE AND CL WHY DO WE CARE?**
- 58 **DRY EYE AND CL WHY DO WE CARE?**
- 59 **DRY EYE AND CL WHY DO WE CARE?**
- 60 **DRY EYE AND CL MEIBOMIAN GLANDS**
- 61 **DRY EYE AND CL OCULAR SURFACE**
- 62 **DRY EYE AND CL OCULAR SURFACE**
- 63 **DRY EYE AND CL**
- 64 **DRY EYE AND CL LID WIPER EPITHELIOPATHY (LWE)**
- 65 **DRY EYE AND CL LID WIPER EPITHELIOPATHY**
- 66 **DRY EYE AND CL LID WIPER EPITHELIOPATHY**
- 67 **DRY EYE AND CL FRICTION - GPC**
- 68 **DRY EYE AND CL CORNEAL STAINING**
- 69 **DRY EYE AND CL**
- 70 **DRY EYE AND CL MATERIALS**
AOSA Allergan Competition
- 71 **DRY EYE AND CL MATERIALS**
- 72 **DRY EYE AND CL MATERIALS**

- JNJ VisionCare
- 73 **DRY EYE AND CL MATERIALS**
 - 74 **DRY EYE AND CL MATERIALS**
JNJ VisionCare
 - 75 **DRY EYE AND CL SOLUTIONS**
 - 76 **DRY EYE AND CL SOLUTIONS**
www.StainingGrid.com
 - 77 **DRY EYE AND CL SOLUTIONS**
 - 78 **DRY EYE AND CL SOLUTIONS**
 - 79 **DRY EYE AND CONTACT LENSES**
 - 80 **DRY EYE DISEASE**
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 - 82 **DIETARY RECOMMENDATIONS**
 - 83 **COMPLIANCE**
 - 84 **ARTIFICIAL TEARS**
 - 85 **ARTIFICIAL TEARS FOR CONTACT LENSES**
 - 86 **ANTI-INFLAMMATORY MEDICATION**
 - 87 **RESTASIS**
 - 88 **XIIDRA**
 - 89 **ANTI-HISTAMINE MEDICATION**
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 - 92 **AMNIOTIC MEMBRANE**
 - 93 **PUNCTAL OCCLUSION PLUGS**
 - 94 **PUNCTAL OCCLUSION PLUGS**
 - 95 **MEIBOMIAN GLAND TREATMENT**

- 96 **MEIBOMIAN GLAND TREATMENT
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- 97 **MEIBOMIAN GLAND TREATMENT
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- 98 **MEIBOMIAN GLAND TREATMENT
LIPIFLOW**
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- 100 **MEIBOMIAN GLAND TREATMENT
INTENSE PULSED LIGHT (IPL)**
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