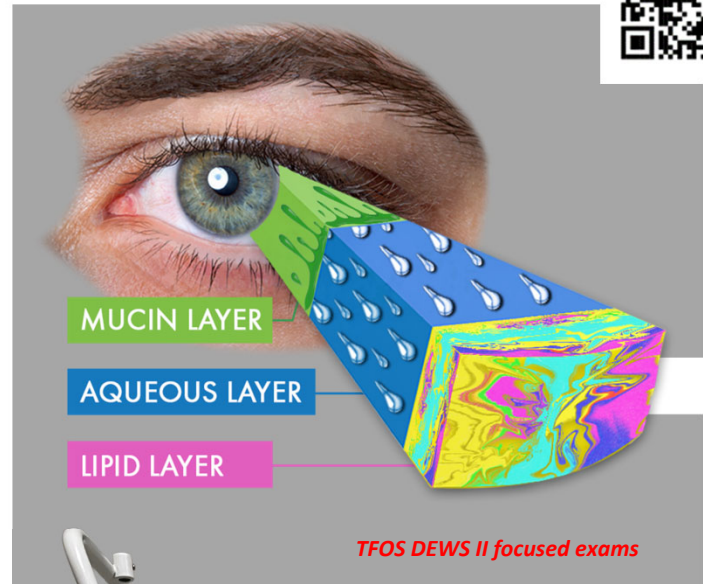# M&S Bruder Ocular Surface Analyzer Preview

Provides clear and easy-to-understand evidence of ocular surface disease while reinforcing treatment recommendations

NON-INVASIVE TESTING

- Auto Interferometry, Lipid Layer Thickness (LLT)
- Meibography - Standard & 3D
- Auto Tear Meniscus Height
- Auto NIBUT
- Blink Evaluation
- Bulbar Redness
- Flourescein Staining
- Lissamine Green Staining
- Pupillometry test
- White to White test
- Demodex documentation
- Blepharitis documentation
- DEQ5 Dry Eye questionnaire
- Lifestyle questionnaire
- Compare with international grading scales

MUCIN LAYER

AQUEOUS LAYER

LIPID LAYER

TFOS DEWS II focused exams

The BRUDER Ocular Surface Analyzer patient report provides clear and easy-to-understand evidence of ocular surface disease while reinforcing treatment recommendations.

- **Data Results View**: Easily guide your patients through the status of their Dry Eye Disease. Display their results compared to healthy subjects.

- **Interpretation & Treatment Protocols:** Suggested testing and treatment algorithms are available from key Dry Eye Experts.

M&S TECHNOLOGIES

Bruder Ocular Surface Analyzer™

Comprehensive Dry Eye Assessment

Fast Non-Invasive Testing

Auto Interferometry - Lipid Layer Thickness (LLT)

- Quickly and automatically detects and highlights lipid layer
- Automatically identifies Lipid, Aqueous, and Mucin tear film layers
- Evaluates the quantity and quality of the lipid component of the tear film
- Reports document Lipid Layer Thickness (LLT) classified between 15 nm and 160 nm through the International Grading Scale


Meibography - Automatic Lid Detection & Classification

- Meibomian gland auto-detection of upper and lower eyelids through trans-allumination with infrared light
- Auto-calculate the percentage area of gland loss
- Auto-Detect length and width of glands
- Patients understand their disease when compared to normal subjects
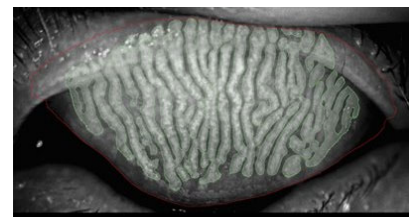
3D-Meibography

- Compare abnormal to glands of a healthy subject
- Explain abnormalities and dry eye discomfort to patients
- Provides strong evidence to support a Customized Protocol Treatment plan
- Images shared with patients enforces the need for treatment and ongoing care
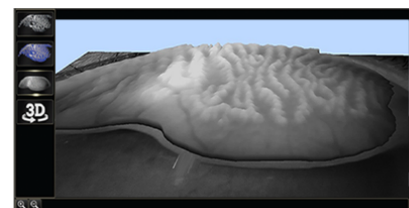
Auto Tear Meniscus Height measurement

- Identify Aqueous Tear Deficiency (ADT)
- Results are classified into different categories
- Results are comparable to Schirmer's Test 1 (STT1) in 3 seconds
- Evaluate tear characteristics
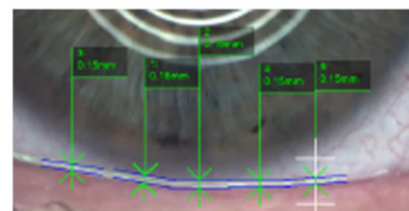
Auto-NIBUT Document tear film stability and breakup time values

- Average of more than one value
- Graph documents tear film trend stability during the video
- Tear topography shows all breaking of the tear film over time
  - *Objectively measures seconds between one complete blink and the appearance of the first discontinuity on the tear film*
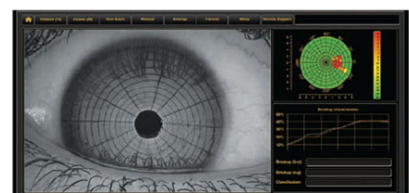
Blink Quality

- Automatically detects and analyses blinking and determines its quality
- Evaluate dry eye symptoms in patients wearing rigid and soft contact lenses
- Evaluate Blink Quality of contact lens wearers to determine the reason for dry eye symptoms and/or ocular surface dye staining
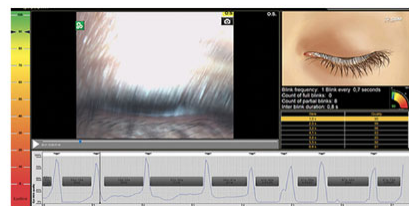
A well-educated patient is more likely to comply with recommendations and is automatically more successful

- **Complete report:** Results and pictures explain the dry eye category to the patient
- **Treatment report:** Reports explain the causes of pathology and recommended treatments
- **Follow-up report**: Each value shows the trend line before, during, and after treatment
- **Binocular report:** Save a single PDF the same images for both eyes