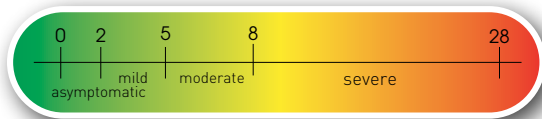


Special Considerations in Dry Eye Disease Management

OSD screen

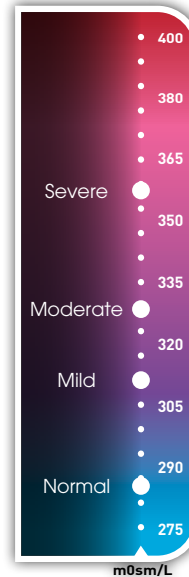
Symptoms?

1 ASCRS SPEED PREOP Questionnaire



Signs?

2 Osmolarity



3 Inflammatory Marker (MMP-9)

MMP-9 Dry Eye Severity		
Patient's Dysfunctional Tear Syndrom	Average MMP-9	Statistical Significance vs. Normal
Normal (n=18)	8.39 ng/ml	No
Severity level (n=15)	35.57 ng/ml	No
Severity level (n=11)	66.17 ng/ml	Yes
Severity level (n=9)	101.42 ng/ml	Yes
Severity level (n=11)	381.24 ng/ml	Yes

Positive result = chronic dry eye ≥ 40 ng/ml

Clinical exam

Look:

Blink, lids, lashes, interpalpebral surface

Lift:

Upper lid, examine superior surface

Pull:

Assess lid laxity 'floppy eyelids', fornices

Push:

Meibomian gland expression

Stain (dye installation):

Corneal staining? TBUT? +/- Schirmer's test