



CASE PRESENTATION



Pertinent systemic history
 36 year old Caucasian Female
 Sjogren's syndrome
 8+ hours a day of computer work
 400mg Plaquenil PO QD
 Seasonal allergy
 Active lifestyle – outdoor activities
 No contact lens use
 Timely follow up with local rheumatologist


Reason for visit
 Sharp, irritating pain that woke her up OS
 Dryness, redness, itching
 Tougher to get through a day of work
 Concerned about long-term implications

Pertinent ocular history
 SSDE
 MGD
 Evaporative Dry Eye
 Blepharitis



Patient is currently using 20% Autologous Serum QID in each eye


CLINICAL EXAM



20/25+ OD, OS
 Immediate Tear break up
 Incomplete blink
 2+ eyelid telangiectasia
 Punctate Epithelial keratitis OS > OD
 Conjunctival injection OS > OD
 Low tear meniscus
 InflammDry: strong positive
 Osmolarity: 330 OD, 339 OS
 Minimal MG secretion
 No eyelid malposition
 Puncta open

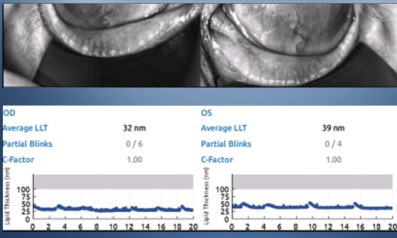
CLINICAL EXAM

TWIN CITIES
OCULAR SURFACE
DISEASE SYMPOSIUM



DIAGNOSTIC EXAM

TWIN CITIES
OCULAR SURFACE
DISEASE SYMPOSIUM

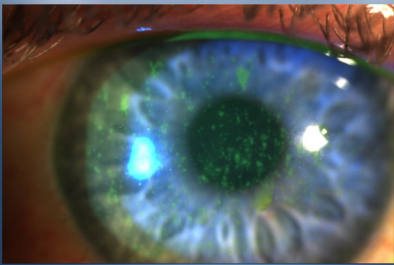


OD	OS		
Average LLT	32 nm	Average LLT	39 nm
Partial Blinks	0 / 6	Partial Blinks	0 / 4
C-Factor	1.00	C-Factor	1.00

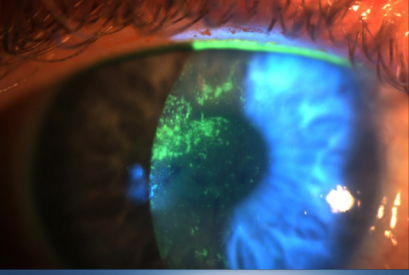
Line graphs showing Tear Thickness (nm) vs. Time (s) for OD and OS.

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CLINICAL EXAM



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CLINICAL EXAM



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TREATMENT PLAN

Cryopreserved amniotic membrane in the left eye
Pred Healon four times a day in each eye
Increase Autologous serum to Q2H in each eye

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TREATMENT PLAN

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Additional treatment options
Long-term treatment considerations

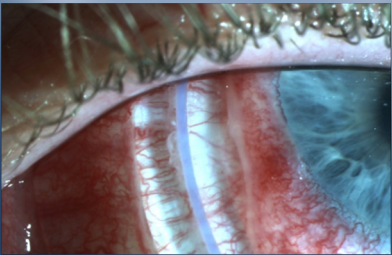
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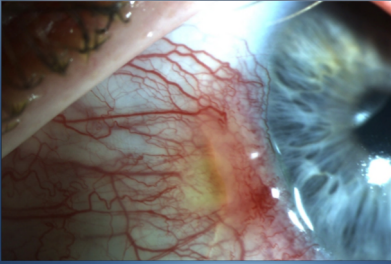


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CLINICAL EXAM



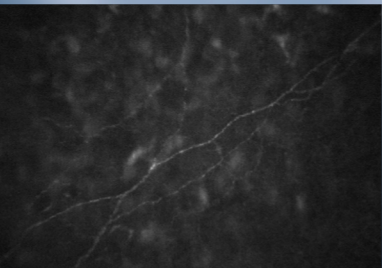
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TREATMENT PLAN

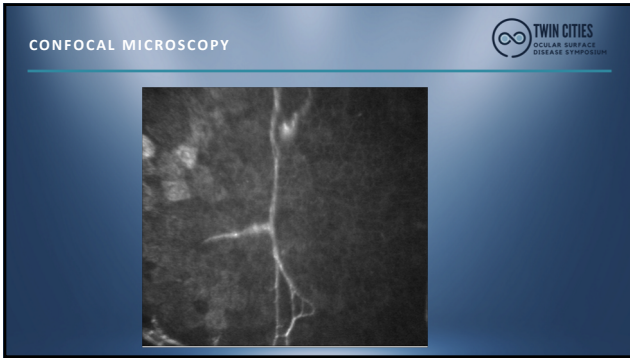
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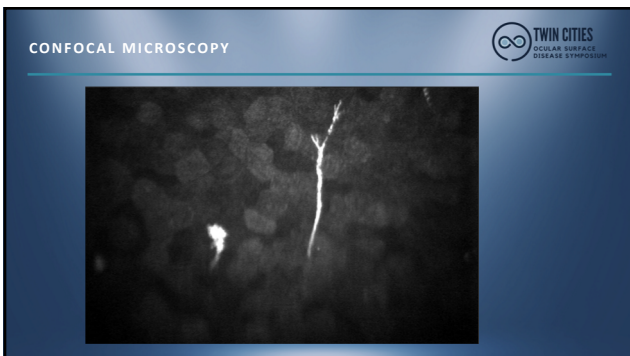
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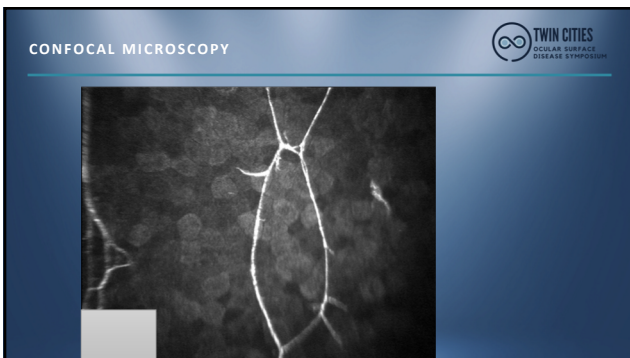
CONFOCAL MICROSCOPY

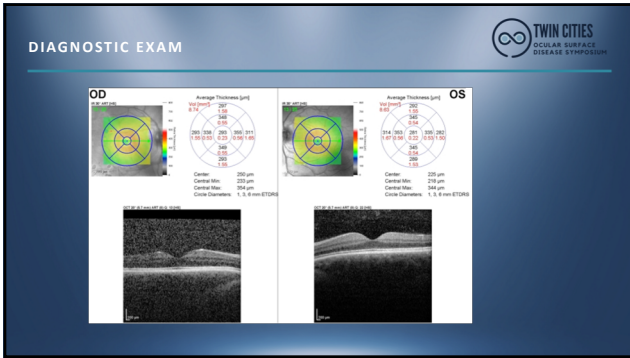


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UPDATE

More comfortable in Scleral Contact Lens
 Bandage Contact Lens at night several times a week

CONCLUSIONS

Compounded medications
 In-office offerings for severe obstructive MGD, and eyelid inflammation
 Corneal neuregia
 Steroid eye drops and IOP monitoring
 Contact lens use as a treatment in OSD
 Macular surveillance with high risk medication use for auto-immune disease