CASE PRESENTATION

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History of Presenting Illness

54 year old Caucasian female with recurrent unilateral redness and irritation OS
4-5 episodes over 4 years treated with Tobradex
No workup, systemic treatment, or IMT specifically for ocular symptoms
1 month of redness and irritation prior to initial presentation at MERSI
Past Medical History

Cutaneous pemphigus vulgaris
Diagnosed by skin biopsy in 2004
Extensive esophageal involvement initially
Numerous treatments:
• multiple courses of oral Prednisone
• CellCept,
• Rituxan and IV-Ig (since 2005)
Currently in remission on Rituxan and IV-Ig

Depression
Paroxetine

Recurrent genital herpes
Systemic Acyclovir
Initial Examination

VA sc 20/20 OD, 20/25 OS

Pupils 4>2 OU, no RAPD

CVF full OU

EOM full OU

IOP 20mmHg OU
<table>
<thead>
<tr>
<th>Exam</th>
<th>OD</th>
<th>OS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lids</td>
<td>WNL</td>
<td>WNL</td>
</tr>
<tr>
<td>Conjunctiva/Sclera</td>
<td>White &amp; quiet</td>
<td>Diffuse 1+ injection with 3+ superficial &amp; deep vessel injection superiorly with a central white opacity</td>
</tr>
<tr>
<td>Cornea</td>
<td>Clear</td>
<td>Clear</td>
</tr>
<tr>
<td>Anterior Chamber</td>
<td>Deep and quiet</td>
<td>Deep and quiet</td>
</tr>
<tr>
<td>Iris</td>
<td>Round and reactive</td>
<td>Round and reactive</td>
</tr>
<tr>
<td>Lens</td>
<td>PSC</td>
<td>PSC</td>
</tr>
</tbody>
</table>
PLAN??

Serologies

Conjunctival & Scleral biopsy for Immunohistochemical staining
Laboratory Studies

HLA typing
ACE
Lysozyme
ESR, CRP
C₃, C₄, CH₅₀,
RF
Properdin factor 3
Bartonella henselae & quintana IgG/IgM

Hepatitis B
ANCA
Antibody testing:
SSA
SSB
SS-DNA
DS-DNA
Smith
Laboratory Studies

IgE : 298 (<114 normal)

ANA : positive
  Titer 1:160
  Pattern homogenous

C1Q complexes: 8.1 (<4.4 normal)

C3D complexes: 18 (<8 normal)
Conjunctival Biopsy: PAS
Direct IF staining of conjunctival biopsy with IgG
Direct IF staining of conjunctival biopsy with anti-HSV IgG
Direct IF staining of conjunctival biopsy with anti-VZV antibody (negative control)
Diagnosis??

Ocular Pemphigus Vulgaris complicated by HSV
Treatment

Acyclovir was replaced with Valacyclovir

Ocular inflammation has been quiet for the past 10 months while on therapy with IV-Ig infusions and valacyclovir, without topical steroids