PAM Examination - Minicase

Demographics
66-year-old white male; retired

Chief complaint
floaters OD > OS

Patient ocular history
uncomplicated cataract extraction with IOL implant OD, OS 1 year ago

Patient medical history
hypertension; hypercholesteremia

Medications taken by patient
hydrochlorothiazide; atenolol; Lipitor®; multivitamin

Patient allergy history
penicillin

Clinical findings

<table>
<thead>
<tr>
<th>BVA:</th>
<th>Distance</th>
<th>Near (with +2.50 Add)</th>
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</thead>
<tbody>
<tr>
<td>OD:</td>
<td>20/25+1</td>
<td>20/20-1</td>
</tr>
<tr>
<td>OS:</td>
<td>20/20</td>
<td>20/20</td>
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Pupils: PERRL, negative RAPD
EOMs: full, no restrictions
Confrontation fields: full to finger counting OD, OS

Slit lamp:
lids/lashes/adnexa: normal OD, OS
conjunctiva: normal OD, OS
cornea: clear with well healed incision OD, OS
anterior chamber: deep and quiet OD, OS
iris: normal OD, OS
lens: well-centered IOL with clear and intact posterior capsule OD, OS
vitreous: see Image 1 OD, clear OS

IOPs: 10 mmHg OD, 11 mmHg OS @ 2:50 PM by non-contact tonometry

Fundus OD:
C/D: see Image 1
macula: normal
posterior pole: normal
periphery: difficult to view

Fundus OS:
C/D, macula, posterior pole: see Image 2
periphery: unremarkable
1. **Which of the following is the most likely diagnosis of the patient’s ocular findings OD in Image 1?** (Diagnosis)

   a. Vitritis
   b. Chorioretinitis
   c. Vitreal syneresis
   d. Posterior vitreous detachment
   e. **Asteroid hyalosis**
   f. Weiss ring
   g. Persistent hyaloid artery
   h. Endophthalmitis

2. **The findings visible in Image 1 are most likely:** (Clinical Correlation of Basic Science Principles)

   a. white blood cells.
   b. **calcium soaps.**
   c. condensed vitreal tissue.
   d. red blood cells.
   e. remnant embryonic vessel.
   f. retained lens material.
   g. pigment cells.

3. **Which of the following is the most appropriate management for this patient’s ocular findings OD?** (Treatment/Management)

   a. Barrier peripheral laser
   b. Pars plana vitrectomy
   c. Oral prednisone 60 mg per day
   d. Vitreal tap and culture
   e. Intravenous Vancomycin 1g q.12h.
   f. **No treatment needed**