

*The following is a sample case for the OEBC OSCE that is published on the OEBC website.*

**OPTOMETRY OSCE – SAMPLE NON-INTERACTIVE CASE**

<b>CASE INFORMATION</b>	
<b>Case Name</b>	Macula and Retina Assessment
<b>Case Type</b>	Non-interactive
<b>Issue</b>	Age related Posterior Vitreous Detachment and Choroidal Nevus
<b>Practice Areas</b>	<i>(primary practice area marked *; other areas are secondary)</i> *Assessment Diagnosis and Planning
<b>Competency(ies)</b>	Assess ocular health status Determine posterior segment ocular health status
<b>Objective(s)</b>	1. Identify the primary and secondary diagnoses for this patient 2. Identify the patient's retinal associations for the primary diagnosis 3. Determine the appropriate management for the patient's condition 4. Determine the increased risk of malignancy for this patient's secondary condition
<b>Setting</b>	Optometry Clinic

**REFERENCES**

Ehlers, J.P and Shah C.P. Wills Eye Manual 5<sup>th</sup> Ed. Pp 274 , 331

**CASE SYNOPSIS**

This case has 2 retinal images. One image will show an acute posterior vitreous detachment. Another image will show a choroidal nevus in the posterior pole.

## **Instructions to Candidate:**

There is no standardized patient in this station.

You have just completed an eye examination for Angela Stewart, age 54. She is a new patient to your clinic.

**Review the results and photographs provided.  
Answer the questions on the test sheet.**

You have 8 minutes to complete this task.

## **Equipment and Props Supplied**

Summary of Patient Exam Record  
Photographs

SAMPLE CASE

## Summary of Patient Exam Record

<b>Patient Name</b>	Angela Stewart		
<b>Gender</b>	Female		
<b>Age</b>	54		
<b>Occupation</b>	High school teacher		
<b>Hobbies</b>	Running		
<b>Chief Complaint</b>	Noticed two days ago flashing lights and now when she closes her left eye she is seeing a fuzzy circular blurred image.		
<b>Additional History</b>	None		
<b>Ocular History</b>	CL wearer for sports		
<b>Medical History</b>	None		
<b>Family History</b>	Cataracts parents, macular degeneration mother		
<b>Clinical Data</b>			
<b>Current Spectacles</b>	OD	-1.00 DS	6/7.5
	OS	-1.50 DS	6/6
<b>Unaided Visual Acuity</b>	OD		6/
	OS		6/
<b>Subjective Refraction</b>	OD	-1.25 DS	6/6-
	OS	-1.50 DS	6/6
<b>Binocular Vision</b>			
<b>Colour Vision Ishihara Plates</b>	OD	WNL	
	OS	WNL	
<b>Tonometry</b>	OD	14 mmHg	
	OS	15 mmHg	
<b>Pupils</b>	PERRLA		
<b>Fundus Examination</b>	See photographs in station		
<b>Diagnosis</b>			

**Photograph(s)**



**Digital Retinal Image**



**Digital Retinal Image**

SAMPLE

## **SCORING FORM**

You will be evaluated on:

- The outcome for the patient; that is, whether your answers to the questions match the Scoring Guide for the station. Your score on the questions determines whether you have solved the patient problem (Problem Solved), marginally solved the patient problem (Marginal Solved), possibly solved the patient problem (Uncertain), or not solved the patient problem (Unsolved).

SAMPLE CASE

<b>PROPS AND EQUIPMENT</b>	
<b>Station door</b>	Instructions for Candidate Summary of Patient Exam Record
<b>Inside station</b>	Instructions for Candidate Summary of Patient Exam Record Chair for Candidate Desk/table for candidate Photographs of retinal images (2)

<b>STATION SET UP</b>	
	Photographs (2) attached to desk/table

SAMPLE CASE

Question	
1	<b>What is the diagnosis of this patient's condition? (Select one)</b>
	<ul style="list-style-type: none"> <li data-bbox="386 359 467 386">• <i>B</i></li> </ul>
2	<b>Which of the following retinal conditions could be associated with the primary diagnosis for this patient? (Select five)</b>
	<ul style="list-style-type: none"> <li data-bbox="386 464 613 491">• <i>A, C, D, E, G</i></li> </ul>
3	<b>Indicate which of the following are the most appropriate managements for this patient's condition. (Select two)</b>
	<ul style="list-style-type: none"> <li data-bbox="386 569 500 596">• <i>E, G</i></li> </ul>
4	<b>Which of the following would indicate an increased risk of malignancy for this patient's secondary condition? (Select one)</b>
	<ul style="list-style-type: none"> <li data-bbox="386 674 467 701">• <i>A</i></li> </ul>

SAMPLE CASE



## QUESTIONS – CANDIDATE

<b>1. What is the diagnosis of this patient's condition? (Select one)</b>	
<input type="checkbox"/>	A. Posterior vitritis OD and choroidal nevus OD
<input type="checkbox"/>	B. Posterior vitreous detachment OD and choroidal nevus OD
<input type="checkbox"/>	C. Vitreous hemorrhage OS and age related macular degeneration OD
<input type="checkbox"/>	D. Papilledema OD and choroidal nevus OS
<input type="checkbox"/>	E. Angioid streaks OS and posterior vitreous detachment OS
<b>2. Which of the following retinal conditions could be associated with the primary diagnosis for this patient? (Select five)</b>	
<input type="checkbox"/>	A. Epiretinal membrane
<input type="checkbox"/>	B. Macular degeneration
<input type="checkbox"/>	C. Macular hole
<input type="checkbox"/>	D. Vitreal macular adhesion
<input type="checkbox"/>	E. Rhegmatogenous retinal detachment
<input type="checkbox"/>	F. Choroidal break
<input type="checkbox"/>	G. Flap tear
<input type="checkbox"/>	H. Central serous chorioretinopathy
<b>3. Indicate which of the following are the most appropriate managements for this patient's condition. (Select two)</b>	
<input type="checkbox"/>	A. Panretinal photocoagulation
<input type="checkbox"/>	B. Thermal Laser photocoagulation
<input type="checkbox"/>	C. Steroid injection
<input type="checkbox"/>	D. Vitrectomy
<input type="checkbox"/>	E. Observation
<input type="checkbox"/>	F. Vascular endothelial growth factor antibody injections
<input type="checkbox"/>	G. Retinal imagery
<b>4. Which of the following would indicate an increased risk of malignancy for this patient's secondary condition? (Select one)</b>	
<input type="checkbox"/>	A. Presence of subretinal fluid and thickness greater than 2 mm
<input type="checkbox"/>	B. Presence of lipofuscin on the surface and-diameter less than 5 mm
<input type="checkbox"/>	C. Absence of subretinal fluid and lesion location greater than 3 mm from optic disc
<input type="checkbox"/>	D. Presence of lipofuscin on the surface and thickness less than 2 mm