

Special Sense 1 Ophthalmology

Student Instructions

Physical Examination Station

Please examine the eyes on patient Mark Hayes, who has presented with sudden loss of vision.

Patient : **Mark Hayes**

DOB: 01/03/1979

You have **8 minutes** to complete the full examination and present your findings, followed by a **further 2 minutes** where the examiner will ask you 2 questions.

You are **not expected** to give the patient any advice or discuss a diagnosis with the patient.

An invigilator will let you know when 8 minutes has elapsed.

Special Sense 1 Ophthalmology

Patient Instructions

- Patient Diagnosis: *Central Retinal Artery Occlusion*
- Instructions for patient:

Please tell candidate signs as they perform tests

Long distance: Left eye normal. Right sided vision reduced to counting fingers.

Short distance: Left eye normal, right eye can't read

Colour vision – shouldn't be assessed as not appropriate

Visual fields severely reduced in right eye

Relative afferent pupillary defect present

Right does not accommodate

Eye movements normal

Red reflex present in both eyes

Show following image for fundoscopy:



Taken from American society of Retina Specialists: <https://www.asrs.org/patients/retinal-diseases/32/retinal-artery-occlusion>

Special Sense 1 (Neurology or Ophthalmology)

Examiner Marksheet

Examination Step	Tick ()
1. Appropriate infection control measures taken, e.g. hand sanitizer and gloves.	
2. Professional attitude and patient friendly manner maintained throughout the examination	
3. General inspection	
4. <i>Assesses long and short distance visual acuity</i>	
5. Assess visual fields	
6. Direct and consensual pupillary reflex	
7. Swinging light tests	
8. Assess the accommodation reflex	
9. Assess eye movements	
10. Red reflex and fundoscopy	
11. Summarises examination including all positives and relevant negatives	
12. Examiner questions	

Question 1: What is the most likely diagnosis?

Central artery occlusion

Question 2: What are some risk factors for this?

CVD risk factors (smoking, hypertension, diabetes and raised cholesterol)

GCA

Question 3: What are the findings on fundoscopy?

Cherry red spot

Pale retina

Global Impression:

- Excellent
- Good
- Pass
- Borderline
- Fail

Patient Impression/comments: