

Special Sense 1 (Neurology)

Student Instructions

Physical Examination Station

Please perform the appropriate neurological examination on Alice Walter, 48, who has presented with Fatigue.

Patient : **Alice Walter**

DOB: 01/03/1980

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 (Neurology)

Patient Instructions

- Patient Diagnosis: *Myasthenia Gravis*
- Instructions for patient:
 - Reduced muscle strength systemically after repetition/ sustained contraction

Special Sense 1 (Neurology) 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 (Wasting, Gait, Eyelids drooping, Myasthenic Snarl)	
4. Assesses ocular movements (e.g sustained upgaze and repeated blinking to identify diplopia or ptosis)	
5. Assess facial muscle movements after repetition and sustained contraction	
6. Assesses neck movement power after repetition	
7. Assess shoulder abduction and adduction after repetition and sustained contraction	
8. Assess Hip abduction and adduction after repetition and sustained contraction	
9. Assess Hip Flexion and Extension after repetition and sustained contraction	
10. Summarises examination including all positives and relevant negatives	
11. Examiner questions	

Question 1: What is the most likely diagnosis

Myasthenia Gravis

Question 2: What long-term management would you offer this patient?

Steroids and Acetylcholinesterase inhibitors (e.g Pyridostigmine)

Question 3: List 2 drugs or classes of drugs that may exacerbate Myasthenia Gravis

B-Blockers, Lithium, Phenytoin, Penicillamine, Procainamide, Quinidine

Antibiotics- Gentamicin, Macrolides, Quinolones, Tetracyclines

Question 4: Name one key investigation to be done in Myasthenia patients after diagnosis

CT Chest (as 65% of patients have Thymic Hyperplasia and 12% have a Thymoma)

Global Impression:

- Excellent
- Good
- Pass
- Borderline
- Fail

Patient Impression/comments: