

# **Management and Prescribing STUDENT SHEET**

You are an FY1 doctor working in the emergency department. Patient Mark Wally aged 45 has presented with confusion.

The examiner will tell you relevant parts of the history to assist your decision making.

This station will last 10 minutes. During the first 5 minutes you will need to:

- State a differential diagnosis
- Request the appropriate investigations that you think this patient needs - Interpret the test results
- Re-evaluate your differential diagnosis and formulate a management plan

The second 5 minutes will comprise of you writing an appropriate prescription for this patient.

# Management and Prescribing EXAMINER SHEET

## DIAGNOSIS: Thyrotoxic storm

Please share the following information with the student:

*Mark Wally is a 45-year-old man who presents to A&E with Confusion. He seems very agitated. You find out that last week he had thyroid surgery. He has a history of hyperthyroidism but shows no signs of infection. Obs HR 130 and everything else normal.*

1. Please state the investigations you would like to request for this patient.

Bedside:

- ECG
- Urine dip

Bloods:

- TFT, FBC, U&Es, CRP
- Metabolic profile

Imaging

- Not usually required but can technetium uptake

2. Interpret the investigations and tell me what you see

TFTs – high t3 and t4 and low TSH

3. What is the most likely diagnosis?
4. Given this is thyrotoxic storm can you prescribed a medication to help with the high HR  
Must prescribed propranolol 1mg

		Marks		
Initial Diagnosis	Student states a sensible and likely diagnosis which they can justify from the initial information provided. (1)			
Requesting Investigations	<p>Student requests a range of investigations in a structured order such as bedside, bloods and imaging. (1)</p> <p>Requested investigations must be backed up by sound and specific rationale and not generic comments like 'U&amp;Es to check electrolyte levels' (1)</p> <p>Investigations must be requested to support the theorised differential and rule out other differentials. (1)</p>			

Interpretation	<p>Student interprets more than half of the investigation results correctly and in a systematic and structured order (1)</p> <p>Student interprets all investigations correctly in the context of the differential diagnosis, in a systematic and structured order (1)</p>			
Diagnosis and Management plan	<p>Correct diagnosis made (1)</p> <p>Appropriate management plan outlined in a structured format such as conservative, medical, surgical (1)</p>			

PRESCRIPTION	Patient details and allergy status correctly recorded (1)  Medication prescribed in the correct location (1)  Medication name in all capitals and correctly spelt with correct dosage and route (1)  Date and prescriber details recorded correctly (1)			
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