

Station Number

AFFIX CANDIDATE  
LABEL HERE

CANDIDATE No:.....

### Instructions for Candidates

#### Scenario

You are asked to see a 32-year-old man who has been becoming more physically unwell over the last 48 hours. His current medication is:

1. Zuclopenthixol Decanoate 300mg weekly. He was started on this six weeks previously.
2. Procyclidine 5 mg b.d.
3. Diazepam 5mg p.r.n.
4. Omeprazole 20mg mane
5. Ibuprofen 400mg t.d.s.

He is sweaty, a little agitated, and a little tremulous. His blood results are:

FBC	14.3
WCC	16.2
Plat	356

Na	142
Cl	102
K	3.8
Urea	8.5
Creatinine	98

Temperature	38.2 °C
BP	142/98
HR	104/ min

#### Instructions

1. What is the most likely diagnosis? (3)
  2. What other symptoms would you look for? (5)
  3. What other investigations would you like to do? (6)
  4. How would you manage him? (5)
- (20)**

**PLEASE REMEMBER TO AFFIX YOUR IDENTITY LABEL TO YOUR ANSWER SHEET. SHEETS WITHOUT LABELS WILL NOT BE MARKED!**

Station Number

AFFIX CANDIDATE  
LABEL HERE

Emergency Management: Neuroleptic Malignant  
Syndrome

CANDIDATE No:.....

**Instructions for Patients**

THIS IS A 'STATIC' STATION – CANDIDATES ARE REQUIRED TO WRITE  
THEIR ANSWERS ON THE SHEET PROVIDED.

NO PATIENT IS REQUIRED FOR THIS STATION.

Station Number

AFFIX CANDIDATE  
LABEL HERE

Emergency Management: Neuroleptic Malignant  
Syndrome

CANDIDATE No:.....

### Instructions for Examiners

This is a station designed to test candidates:

1. Recognition of Neuroleptic Malignant Syndrome (NMS)
2. Knowledge of the signs and symptoms of the condition
3. Knowledge of its treatment

Station Number

Examiner's Name:

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AFFIX CANDIDATE  
LABEL HERE

Emergency Management: Neuroleptic Malignant Syndrome

CANDIDATE No:.....

### Marking Sheet

*Please circle the appropriate mark for each criterion. The standard expected is that of a psychiatric Senior House Officer.*

Criterion	Performed competently	Performed, but not fully competent	Not performed
1) Neuroleptic Malignant Syndrome	3	1 ½	0
2) One point for each of the following, up to a maximum of 5:			
a) diaphoresis	1	½	0
b) dysphagia	1	½	0
c) muscular rigidity	1	½	0
d) incontinence	1	½	0
e) changes in level of consciousness ranging from confusion to coma	1	½	0
f) mutism	1	½	0
3) One point for each of the following, up to a maximum of 6:			
a) Creatine Phosphokinase (CK) – elevated	1	½	0
b) Arterial Blood gases (looking for metabolic acidosis)	1	½	0
c) Coagulation screen	1	½	0
d) EEG – Nonfocal generalized slowing on electroencephalography has been reported in over half of NMS cases.	1	½	0
e) CT scan	1	½	0
f) Lumbar puncture	1	½	0
g) Blood cultures	1	½	0
4) One point for each of the following, up to a maximum of 5:			
a) Stopping antipsychotic medication	1	½	0
b) BENZODIAZEPINES are useful in reversing catatonia	1	½	0
c) Trials of BROMOCRIPTINE, AMANTADINE, or other dopamine agonists	1	½	0
d) DANTROLENE appears to be beneficial primarily in cases of NMS involving significant rigidity and hyperthermia	1	½	0
e) ECT remains effective even late in the course, often after other interventions have failed	1	½	0
Score (Max 20)			
Overall Grading of station	<b>Clear Pass</b>	<b>Borderline</b>	<b>Clear Fail</b>

Station Number

AFFIX CANDIDATE LABEL HERE  CANDIDATE No:.....
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**Answer Sheet**

1. What is the most likely diagnosis? (2)

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2. What other symptoms would you look for? (5)

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3. What other investigations would you like to do? (6)

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4. How would you manage him? (5)

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