

**FOR EXAMINER USE ONLY**

# Virtual Oral Examination

Sample Case 1002



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**Case 1002**

**Stimulus Inventory**

- #1 Emergency Admitting Form
- #2 Hematology
- #3 Nasal Influenza Swab  
Influenza A positive
- #4 ABG (room air)
- #5 BMP
- #6 Urinalysis
- #7 Chest X-ray (1 film)  
Normal
- #8 ECG  
Sinus tachycardia, rate 105
- #9 Blank
- #10 Blank
- #11 Blank
- #12 Blank

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## **ORAL CASE SUMMARY**

### **CORE CONTENT AREA**

10 - SYSTEMIC INFECTIOUS DISORDERS

Influenza

### **SYNOPSIS OF CASE**

This case involves a 54-year-old man who presents during the winter with one day of coughing, shortness of breath, and fever. He aches all over. His chest x-ray is essentially normal but his flu test is positive for type A influenza. The candidate must obtain a vaccination history, mask the patient, order a chest x-ray, diagnose influenza, and order antiviral medications.

### **SYNOPSIS OF HISTORY**

The patient was driven to the ED by his wife. He has had cough, shortness of breath, and decreased appetite for one day, and he aches all over. He has had some fever. He has not had a seasonal flu shot in two years and does not know if he has ever had pneumococcal vaccine.

### **SYNOPSIS OF PHYSICAL**

Physical examination shows fever, tachycardia, and tachypnea. His skin is warm to touch. His lungs reveal scattered anterior and posterior rhonchi.

### **CRITICAL ACTIONS**

1. Obtain Vaccination History (DA)
2. Place Mask on Patient (PM)
3. Order Chest X-ray (DA)
4. Diagnose Influenza (PS)
5. Order Antiviral Medication (PM)

### **SCORING GUIDELINES**

(Critical Action No.)

1. Consider scoring up if candidate asks about pneumococcal vaccine.
2. Consider scoring up if candidate wears personal protective equipment.
5. Administration of antibiotics is a neutral action.

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**PLAY OF CASE GUIDELINES**

(Critical Action No.)

5. Candidate must know drugs but may look up the dose.  
Acceptable drugs include:
- Oseltamivir (Tamiflu)
  - Zanamivir (Relenza)

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## Critical Actions

### 1. Obtain Vaccination History (DA)

This critical action is met by the candidate asking the patient about recent influenza vaccination.

### 2. Place Mask on Patient (PM)

This critical action is met by the candidate placing any type of mask on the patient.

### 3. Order Chest X-ray (DA)

This critical action is met by the candidate ordering a chest x-ray.

### 4. Diagnose Influenza (PS)

This critical action is met by the candidate diagnosing influenza or possible influenza.

**Cueing Guideline:**

Wife asks, "Doctor, what's wrong with him?"

### 5. Order Antiviral Medication (PM)

This critical action is met by the candidate ordering appropriate antiviral medication.

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**HISTORY DATA PANEL**

**Presenting Complaint:** "I have a cough and have been short of breath for a day."

**History of Present Illness:**

Patient woke up yesterday on Christmas morning with cough, shortness of breath, and aching all over.

- Temperature yesterday was 38.1° C (100.5° F).
- Coughing up thick greenish phlegm
- Wife was ill last week, but not as bad
- Nausea, decreased appetite, and is drinking poorly
- Joints hurt but no chest pain

**Past Medical History**

Surgical: Cardiac stent 2 years ago

Medical: Coronary artery disease and hypertension

Injuries: None

Allergies: None

Medications: Lisinopril 10 mg; ASA 325 mg; Crestor (Rosuvastatin) 10 mg

Vaccinations: No flu shot this season; Does not know if he has had pneumococcal vaccine

**Habits**

Smoking: 1.5 packs per day

Drugs: None

Alcohol: None

**Family Medical History**

Father: Died at age 70, coronary artery disease

Mother: Died at age 75, hypertension and glaucoma

Siblings: None

**Social History**

Married: Yes

Children: Two, ages 18 and 22

Employed: Currently unemployed

Education: High school graduate

**PHYSICAL DATA PANEL**

**Patient:** 54-year-old male

**Name:** Joe Garza

**General Appearance:** Appears moderately ill

**Vital Signs:**

BP : 108/74

P : 102/min

R : 24/min

T : 38.3° C (101.0° F)

**Head:** Normal

**Eyes:** Normal; No redness

**Ears:** Normal

**Nose:** Small amount of clear nasal drainage; Nasal mucosa inflamed

**Mouth:** Small tonsils; Posterior pharynx slightly red

**Neck:** Supple

**Skin:** Warm to touch; No rash

**Chest:** Normal to inspection; Scattered rhonchi anterior and posterior; Otherwise normal

**Heart:** Rate 90

**Abdomen:** Soft, Nontender; Normal bowel sounds; No masses

**Extremities:** Normal

**Rectal:** Normal; Stool negative for occult blood

**Neurological:** Normal

**Mental Status:** Alert and oriented x 3

**LAB DATA PANEL**

**Stimulus #2 - Hematology**

Complete Blood Count

WBC 12,500/mm<sup>3</sup>

Hgb 14.7 g/dL

Hct 43%

Platelets 208,000/mm<sup>3</sup>

Differential

Segs 76%

Bands 5%

Lymphs 10%

Mono 8%

Eos 1%

**Stimulus #3 - Nasal Influenza**

**Swab** Influenza A positive

**Stimulus #4 - ABG** (room air)

pH 7.44

pCO<sub>2</sub> 35 mm Hg

pO<sub>2</sub> 58 mm Hg

HCO<sub>3</sub> 23 mEq/L

O<sub>2</sub> sat 89%

**Stimulus #5 - BMP**

Na<sup>+</sup> 133 mEq/L

K<sup>+</sup> 4.5 mEq/L

CO<sub>2</sub><sup>-</sup> 29 mEq/L

Cl<sup>-</sup> 100 mEq/L

Glucose 100 mg/dL

BUN 28 mg/dL

Creatinine 0.8 mg/dL

Calcium 9.0 mg/dL

**Stimulus #6 - Urinalysis**

Appearance Clear

Color Yellow

Glucose Negative

Ketones 1+

Sp Gravity 1.025

Blood Negative

pH 6.0

Protein Negative

Nitrite Negative

Leukocyte Negative

WBC 0/HPF

RBC 3/HPF

Squamous None

Bacteria None

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**VERBAL REPORTS:**

<b>O<sub>2</sub> Saturation</b> (room air)	90%
<b>O<sub>2</sub> Saturation</b> (on O <sub>2</sub> )	94%
<b>Rapid Strep Test</b>	Negative
<b>BNP</b>	140 pg/mL
<b>D-dimer</b>	120 ng/mL (normal <500 ng/mL)
<b>Myoglobin</b>	22 ng/mL
<b>Troponin I</b>	0.0 ng/mL