

Case 34 (November 9 2006): [N Engl J Med 2006;355:2022-31](#)

Demographic: Female, 72 yrs, America North, General Speciality

Clinical features extracted from the case and entered into the query box:

severe, intractable nausea and anorexia
productive cough with yellow sputum
chills
sweats
malaise
lightheadedness
aching in the teeth
insomnia
hypotension
tachycardic
tachypneic
breath sounds were diminished bilaterally, with fine scattered crackles
hypothermia
respiratory acidosis

Synonyms used by Isabel for the above query:

Malaise
Hypotension
Insomnia
Respiratory acidosis
Sweats

STOP !

Before you read further you might want to construct your own:

- Complete differential diagnosis
- Final diagnosis

In the following section you will find:

- The differential diagnosis constructed by the MGH panel
- The final diagnosis of the case
- Which of the MGH panel differential diagnoses did Isabel contain
- Did Isabel suggest the Final diagnosis

Differential Diagnoses considered by the MGH panel:

Cardiogenic Shock - Acute MI / Extensive Ischemia or Infarction
Endocarditis

Final Diagnoses of the case according to NEJM:

Acute myocardial infarction with cardiogenic shock and possible septic shock.

Differential Diagnoses of the case as given by Isabel:

Myocardial Infarction (Ischemic Heart Disease) – click on Cardiac disorders heading
Cardiogenic shock – Isabel 1st page
Septic shock – Isabel 1st page

Was the final diagnosis given by Isabel:

Yes, Isabel 1st page

Entire presentation cut and pasted into the Isabel query box:

None of the above

Isabel differential for clinical features extracted from entire case presentation:

<p>RESPIRATORY SYSTEM DISORDERS << Click here</p> <ul style="list-style-type: none"> ↳ Bacterial Pneumonia RD ↳ Pleural Effusion RD ↳ Lung Neoplasms RD ↳ Atypical Pneumonia RD ARDS RD COPD RD Pulmonary Edema RD Viral Pneumonia RD ↳ Sleep Apnea RD ↳ Pulmonary Thromboembolism RD 	<p>SHOCK STATES << Click here</p> <ul style="list-style-type: none"> ↳ Sepsis and Shock RD Cardiogenic Shock RD
<p>CARDIAC DISORDERS << Click here</p> <ul style="list-style-type: none"> ↳ Pericardial Effusion / Tamponade RD ↳ Ischemic Heart Disease RD 	<p>INFECTIOUS DISEASES << Click here</p> <ul style="list-style-type: none"> Tuberculosis RD Chlamydial Infections RD Anthrax RD Brucellosis RD ↳ Yersinia Infection RD
<p>ENVIRONMENTAL HEALTH HAZARDS << Click here</p>	<p>LIVER DISORDERS << Click here</p> <ul style="list-style-type: none"> ↳ Liver Abscess RD
<p>GASTROINTESTINAL DISORDERS << Click here</p>	<p>ALLERGIC DISORDERS << Click here</p>
	<p>TOXICOLOGY << Click here</p>

Clinical features as summarised Dr. Paula A. Johnson:

Sudden onset nausea and anorexia
hypoxemia
hypotension

Isabel differential for features as summarised Dr. Paula A. Johnson:

INFECTIOUS DISEASES << Click here <ul style="list-style-type: none"> ↳ Anthrax RD ↳ Babesiosis RD ↳ CMV Infections RD ↳ Hantavirus Syndrome RD ↳ Bacterial Meningitis RD ↳ Viral Meningoencephalitis RD ↳ Viral Hemorrhagic Fever RD ↳ Rocky Mountain Spotted Fever RD ↳ Cryptosporidium RD ↳ Tuberculosis RD ↳ Shigella Infections RD 	ALLERGIC DISORDERS << Click here <ul style="list-style-type: none"> ↳ Anaphylaxis RD
VASCULAR DISORDERS << Click here <ul style="list-style-type: none"> ↳ Aortic Aneurysm / Dissection RD 	CARDIAC DISORDERS << Click here <ul style="list-style-type: none"> ↳ Pulmonary Vascular Disease RD ↳ Ischemic Heart Disease RD ↳ Cardiomyopathy RD ↳ Ventricular Tachyarrhythmias RD ↳ Sinus Tachycardia RD ↳ Infective Endocarditis RD
ENDOCRINE SYSTEM << Click here <ul style="list-style-type: none"> ↳ Primary Adrenal Insufficiency RD 	RESPIRATORY SYSTEM DISORDERS << Click here <ul style="list-style-type: none"> ↳ Bacterial Pneumonia RD ↳ Asthma RD ↳ Pulmonary Edema RD ↳ Sleep Apnea RD
GASTROINTESTINAL DISORDERS << Click here <ul style="list-style-type: none"> ↳ Gastritis RD ↳ Gingivitis / Stomatitis RD 	NERVOUS SYSTEM DISORDERS << Click here <ul style="list-style-type: none"> ↳ CVA / Stroke RD
LIVER DISORDERS << Click here <ul style="list-style-type: none"> ↳ Cholestasis RD 	RHEUMATIC DISEASES << Click here <ul style="list-style-type: none"> ↳ SLE RD
ENVIRONMENTAL HEALTH HAZARDS << Click here <ul style="list-style-type: none"> ↳ Cholestasis RD 	SHOCK STATES << Click here <ul style="list-style-type: none"> ↳ Sepsis and Shock RD
	TOXICOLOGY << Click here <ul style="list-style-type: none"> ↳ Sepsis and Shock RD