
**Demographic:** Male, 51yrs, American South temperate, General speciality (born in Brazil, returns to Brazil each year)

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

**First query:** region America North or American South temperate

decreased appetite
epigastic discomfort
intermittent abdominal pain
weight loss
gastroesophageal reflux

**Second query:** region American South temperate

pleuritic chest pain
weight loss
finger clubbing
nausea
fatigue
peripheral eosinophilia
parenchymal cysts

**Synonyms used by Isabel for the above query:**

**First query synonyms:**
decreased appetite
weight loss
gastroesophageal reflux

**Second query synonyms:**
pleuritic chest pain
weight loss
finger clubbing
nausea
fatigue

**STOP !**
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:

First differential:
H. Pylori Infection and Gastric Cancer

Second differential:
Paragonimiasis
Schistosomiasis

Final Diagnosis of the case according to NEJM:
First FD: Adenocarcinoma of the stomach, associated with H. pylori infection.
Second FD: Schistosoma mansoni infection with pulmonary involvement.

Differential Diagnoses of the case as given by Isabel:

First Isabel differential:
Gastric carcinoma – Isabel top 10, under Gastric Neoplasms
H.Pylori- Isabel top 10, under PUD

Second Isabel differential:
Schistosomiasis – click on Infectious diseases heading, under Fluke Infection
Paragonimiasis – click on Infectious diseases heading, under Fluke Infection

Was the final diagnosis given by Isabel:
Yes, Gastric carcinoma on top 10 (region Am. North & Am. South) and Schistosomiasis when you click on Infectious diseases heading under Fluke infection (region Am. South)

First Isabel Differential:

<table>
<thead>
<tr>
<th>GASTROINTESTINAL DISORDERS</th>
<th>&lt;&lt; Click here</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Appendicitis</td>
<td></td>
</tr>
<tr>
<td>Gastroesophageal Reflux</td>
<td>Related Dx</td>
</tr>
<tr>
<td>Gastritis</td>
<td>Related Dx</td>
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<tr>
<td>Diarrheal Disorders</td>
<td>Related Dx</td>
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<tr>
<td>Peptic Ulcer Disease</td>
<td>Related Dx</td>
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<tr>
<td>Chronic Benign Gastric Ulcer</td>
<td>Related Dx</td>
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<tr>
<td>Duodenal Ulcers</td>
<td>Related Dx</td>
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<tr>
<td>Peptic Ulcer Due To H Pylori</td>
<td>Related Dx</td>
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<tr>
<td>Secondary Peptic Ulcer</td>
<td>Related Dx</td>
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<tr>
<td>Diabetic GI Complications</td>
<td>Related Dx</td>
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<tr>
<td>Non Ulcer Dyspepsia</td>
<td>Related Dx</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>NEOPLASTIC DISEASES</th>
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</thead>
<tbody>
<tr>
<td>Gastric Neoplasms</td>
<td>Related Dx</td>
</tr>
<tr>
<td>Benign Stomach Tumor</td>
<td></td>
</tr>
<tr>
<td>Gastric Carcinoma</td>
<td>Related Dx</td>
</tr>
<tr>
<td>Primary Gastric Lymphoma</td>
<td>Related Dx</td>
</tr>
<tr>
<td>Colorectal Cancer</td>
<td>Related Dx</td>
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</tbody>
</table>

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<thead>
<tr>
<th>RESPIRATORY SYSTEM DISORDERS</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Lung Neoplasms</td>
<td>Related Dx</td>
</tr>
</tbody>
</table>

INFECTION DISEASES | << Click here |
ENDOCRINE SYSTEM | << Click here |
LIVER DISORDERS   | << Click here |
vascular disorders | << Click here |
RHEUMATIC DISEASES | << Click here |
ALLERGIC DISORDERS | << Click here |
NUTRITIONAL DISORDERS | << Click here |
NERVOUS SYSTEM DISORDERS | << Click here |
CARDIAC DISORDERS  | << Click here |
UROLOGIC DISORDERS  | << Click here |
TOXICOLOGY         | << Click here |

Second Isabel Differential

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### RESPIRATORY SYSTEM DISORDERS
- Bacterial Pneumonia
- Lung Neoplasms
- Pleural Effusion
- Pulmonary TB
- Sarcoidosis
- Bronchiectasis

### LIVER DISORDERS
- Cirrhosis
- Hepatitis
- Hepatocellular Carcinoma

### RHEUMATIC DISEASES
- Rheumatoid Arthritis
- Systemic Lupus Erythematosus
- Scleroderma

### NEOPLASTIC DISEASES
- Malignancy
- Metastasis
- Tumor

### ALLERGIC DISORDERS
- Asthma
- Allergic Rhinitis
- Anaphylaxis

### TOXICOLOGY
- Poisoning
- Drug Abuse
- Alcoholism

### GASTROINTESTINAL DISORDERS
- Inflammatory Bowel Disease
- Ulcerative Colitis
- Crohn's Disease

### IMMUNOLOGIC SYSTEM
- Autoimmune Disorders
- Immunodeficiency
- Transplant Rejection

### CARDIAC DISORDERS
- Infective Endocarditis
- Mitral Valve Prolapse
- Aortic Valve Stenosis

### DERMATOLOGY
- Eczema
- Psoriasis
- Acne

### INFECTIOUS DISEASES
- HIV/AIDS
- Tuberculosis
- Pseudomonas
- Q Fever
- Aspergillus Infection
- Brucellosis
- Coccidioidomycosis
- Nocardia Infection
- Taenia solium
- Tularemia
- Toxocariasis
- Giardiasis Infection
- Angiostrongylus Cantonensis
- Ehrlichiosis and Anaplasmosis
- Fluke Infection
- Echinostomiasis
- Fascioliasis
- Heterophyiasis
- Paragonimiasis
- Schistosomiasis

### NEPHROLOGY
- Renal Failure
- Nephrotic Syndrome
- Kidney Stone

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