



Case 30 (September 25 2008): [N Engl J Med. 359\(12\):1272-1283](#)

Demographic: Female, 47 yrs, Not pregnant, America North, General speciality

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

Mass in breast
Solitary spinal lesion

Synonyms used by Isabel for the above query:

Mass in breast

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:

Breast cancer
Metastatic breast cancer

Final Diagnosis of the case according to NEJM:

Breast cancer with minimal metastatic disease

Differential Diagnoses of the case as given by Isabel:

Breast Cancer - under Gynecological disorders heading
Metastatic breast cancer - under Gynecological disorders heading

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Was the final diagnosis given by Isabel:

Yes, under Gynecological disorders heading

Isabel Differential:

<p>+ INFECTIOUS DISEASES << click to expand</p> <ul style="list-style-type: none"> Tuberculosis ? RD Taenia solium ? RD 	<p>+ NERVOUS SYSTEM DISORDERS << click to expand</p> <ul style="list-style-type: none"> Multiple Sclerosis ? RD
<p>+ NEOPLASTIC DISEASES << click to expand</p> <ul style="list-style-type: none"> Colorectal Cancer ? RD Esophageal Neoplasms ? RD 	<p>+ GYNECOLOGICAL DISORDERS << click to expand</p> <ul style="list-style-type: none"> Breast Cancer ♀ ? RD <div style="border: 1px solid black; background-color: yellow; padding: 5px; margin: 5px 0;"> <p>Why did this diagnosis come up ? ✕</p> <p>We matched the terms: mass in breast breast mass breast masses lesion</p> <hr/> <p>Degree of match between query entered and isabel database (Not clinical probability): 58%</p> <ul style="list-style-type: none"> Ductal Carcinoma in Situ ♀ Lobular Carcinoma in Situ ♀ Metastatic Breast Cancer ♀ </div> <ul style="list-style-type: none"> Breast Fibroadenomas ♀ ? RD
<p>+ RESPIRATORY DISORDERS << click to expand</p> <ul style="list-style-type: none"> Atypical Pneumonia ? RD 	
<p>+ GASTROINTESTINAL DISORDERS << click to expand</p> <ul style="list-style-type: none"> Inflammatory Bowel Disease ? RD 	
<p>+ RHEUMATIC DISEASES << click to expand</p>	
<p>+ LIVER DISORDERS << click to expand</p>	
	<p>+ ORTHOPEDIC DISORDERS << click to expand</p> <ul style="list-style-type: none"> Benign Bone Tumors ? RD
	<p>+ DERMATOLOGY << click to expand</p>
	<p>+ ENDOCRINE SYSTEM << click to expand</p>
	<p>+ HEMATOLOGY << click to expand</p>