

**Case 32 (October 18 2007):** [N Engl J Med. 357\(16\):1640-1648](#)

**Demographic:** Female, 62 yrs, Not pregnant, America North, General speciality

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

breast mass

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

Breast mass

## **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

**Final Diagnosis of the case according to NEJM:**

Invasive ductal carcinoma, and ductal carcinoma in situ, of the right breast, grade 3 of 3, estrogen-receptor-positive and HER2-positive.

**Differential Diagnoses of the case as given by Isabel:**

Breast Cancer – Isabel top 10

Ductal carcinoma in situ - Isabel top 10, under Breast Cancer

**Was the final diagnosis given by Isabel:**

Yes, Isabel top 10



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**Isabel Differential:**

GYNECOLOGICAL DISORDERS	
<input type="checkbox"/> <a href="#">Breast Cancer</a>	♀ <a href="#">?</a> <a href="#">Related Dx</a>
<input type="checkbox"/> <a href="#">Ductal Carcinoma in Situ</a>	
<input type="checkbox"/> <a href="#">Lobular Carcinoma in Situ</a>	
<input type="checkbox"/> <a href="#">Metastatic Breast Cancer</a>	
<a href="#">Breast Fibroadenomas</a>	♀ <a href="#">?</a> <a href="#">Related Dx</a>
<a href="#">Breast Abscesses</a>	♀ <a href="#">?</a> <a href="#">Related Dx</a>
<a href="#">Paget's Disease of the Nipple</a>	♀ <a href="#">?</a> <a href="#">Related Dx</a>
INFECTIOUS DISEASES	
<input type="checkbox"/> <a href="#">Pseudomonas</a>	<a href="#">?</a> <a href="#">Related Dx</a>