

Case 24 (August 11 2005): [N Engl J Med 2005;353:617-22](#)

Demographic: Female, 58 yrs, Not pregnant, America North, General speciality

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

ill-defined mass with calcifications in the lower inner quadrant of breast

Synonyms used by Isabel for the above query:

none

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:

none

Final Diagnoses of the case according to NEJM:

Invasive ductal carcinoma

Was the final diagnosis given by Isabel:

Yes, Isabel 1st page

Entire presentation cut and pasted into the Isabel query box:

Invasive ductal carcinoma – Yes, 1st page

Isabel differential for extracted features:

<p>GYNECOLOGICAL DISORDERS << Click here</p> <ul style="list-style-type: none"> ↳ <u>Ovarian Neoplasms</u> ♀ RD ↳ <u>Breast Cancer</u> ♀ RD <li style="padding-left: 20px;"><u>Breast Fibroadenomas</u> ♀ RD <li style="padding-left: 20px;">↑ <u>Ductal Carcinoma in Situ</u> 	<p>NERVOUS SYSTEM DISORDERS << Click here</p> <ul style="list-style-type: none"> ↳ <u>Brain Neoplasms</u> RD
<p>GASTROINTESTINAL DISORDERS << Click here</p> <ul style="list-style-type: none"> <u>Acute Appendicitis</u> RD 	<p>INFECTIOUS DISEASES << Click here</p> <ul style="list-style-type: none"> <u>Tuberculosis</u> RD
<p>RESPIRATORY SYSTEM DISORDERS << Click here</p> <ul style="list-style-type: none"> ↳ <u>Lung Neoplasms</u> RD <u>Mediastinal Neoplasms</u> RD 	<p>ORTHOPEDIC DISORDERS << Click here</p> <ul style="list-style-type: none"> <u>Vit D Deficient Rickets / Osteomalacia</u> RD ↳ <u>Malignant Bone Tumours</u> RD
<p>OBSTETRIC DISORDERS << Click here</p>	<p>NEOPLASTIC DISEASES << Click here</p>
<p>CARDIAC DISORDERS << Click here</p>	<p>ENDOCRINE SYSTEM << Click here</p>
<p>LIVER DISORDERS << Click here</p>	<p>VASCULAR DISORDERS << Click here</p>
	<p>DERMATOLOGY << Click here</p>