

**NEJM Case 6 (February 23 2006):** [N Engl J Med 2006;354:850-6.](#)

**Case 6-2006 — A 71-Year-Old Woman with Urinary Incontinence and a Mass in the Bladder**

**Demographic:** 71 Year Old, Female, America North, General speciality

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

history of breast cancer  
acute onset of "urinary incontinence"  
bilateral solid ovarian masses with possible uterine involvement  
bilateral hydronephrosis  
thickened bladder wall  
enlarged aortocaval lymph node  
narrowed ureters

***Synonyms used by Isabel (optional) for the above query:***  
Urinary incontinence

**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:***

Bladder Neoplasms  
Metastatic Breast Cancer

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

Metastatic breast cancer - Infiltrating lobular carcinoma of the breast, metastatic to the urinary bladder and ovaries.

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

Metastatic Breast Cancer – Isabel 1<sup>st</sup> page

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

Yes, Metastatic breast cancer (Isabel 1<sup>st</sup> page)

***Entire presentation cut and pasted into the Isabel query box:***

Breast cancer – Isabel 1<sup>st</sup> page

By clicking on the heading – Urologic disorders – Bladder neoplasms  
By clicking on Gynecological disorders – Metastatic breast cancer

***Isabel Differential:***

<b>CARDIOVASCULAR SYSTEM</b>	
Abdominal Aortic Aneurysm	<input type="checkbox"/>
<b>INFECTIOUS DISEASES</b>	
Tuberculosis	<input type="checkbox"/>
Aspergillus Infection	<input type="checkbox"/>
Clostridial Infections	<input type="checkbox"/>
↳ Bartonella Infection	<input type="checkbox"/>
<b>GYNECOLOGICAL DISORDERS</b>	
↳ Breast Cancer	<input type="checkbox"/>
Carcinoma of the Cervix	<input type="checkbox"/>
<b>HEMATOLOGY</b>	
Paraneoplastic Hematologic Syndromes	<input type="checkbox"/>
<b>ENDOCRINE SYSTEM</b>	
Thyroid Neoplasms	<input type="checkbox"/>
<b>NEOPLASTIC DISEASES</b>	
↳ Non-Hodgkin's Lymphoma	<input type="checkbox"/>
↳ Liver Neoplasms	<input type="checkbox"/>
Head and Neck Neoplasms	<input type="checkbox"/>
Carcinoid Tumors	<input type="checkbox"/>
Lymphoma of the Small Intestine	<input type="checkbox"/>
↳ Familial Polyposis Syndrome	<input type="checkbox"/>
<b>RESPIRATORY SYSTEM DISORDERS</b>	
↳ Lung Neoplasms	<input type="checkbox"/>
Sarcoidosis	<input type="checkbox"/>
<b>GASTROINTESTINAL DISORDERS</b>	
Peritonitis	<input type="checkbox"/>
↳ Diverticular Diseases of the Colon	<input type="checkbox"/>
↳ Intestinal Obstruction	<input type="checkbox"/>