

**Case 4 (January 31 2008):** [N Engl J Med. 358\(5\):513-523](#)

**Demographic:** Female, 33 yrs, Pregnant, America North, General speciality

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

tender and enlarged breasts  
tachycardia  
ecchymosis over breasts  
cough  
shortness of breath on exertion  
orthopnea  
fever  
elevated lactate dehydrogenase  
unilateral jugular venous distention  
axillary lymphadenopathy

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

Tachycardia  
Cough  
Orthopnea  
Fever

**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  
Lymphomas

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

Diffuse large-B-cell lymphoma, consistent with primary mediastinal large-B-cell lymphoma, with involvement of breast and ovary.

***Differential Diagnoses of the cases given by Isabel:***

Breast cancer – under Gynecological disorders heading  
Diffuse large-B-cell lymphoma – Under Neoplastic diseases heading

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

Yes, under – under Neoplastic diseases heading



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**Isabel Differential:**

**INFECTIOUS DISEASES** << click to expand

[Tuberculosis](#) ? Related Dx

**SHOCK STATES** << click to expand

[Hypovolemic Shock](#) ? Related Dx

**VASCULAR DISORDERS**

[Superior Vena Cava Syndrome](#) ? Related Dx

**CARDIAC DISORDERS** << click to expand

[Ischemic Heart Disease](#) ? Related Dx

[Heart Failure / CHF](#) ? Related Dx

[Cardiomyopathy](#) ? Related Dx

[Cor Pulmonale](#) ? Related Dx

**OBSTETRIC DISORDERS**

[Puerperium Complications](#) ♀ ? Related Dx

**GYNECOLOGICAL DISORDERS** << click to expand

[Breast Cancer](#) ♀ ? Related Dx

**DERMATOLOGY**

[Dermatophyte Infections](#) ? Related Dx

**RESPIRATORY SYSTEM DISORDERS** << click to expand

[Atypical Pneumonia](#) ? Related Dx

[Pulmonary Thromboembolism](#) ? Related Dx

[Lung Neoplasms](#) ? Related Dx

**RHEUMATIC DISEASES**

[Antiphospholipid Syndrome](#) ? Related Dx

**HEMATOLOGY** << click to expand

[Tuberculous Lymphadenitis](#) ? Related Dx

**NEOPLASTIC DISEASES** << click to expand

[Non-Hodgkin's Lymphoma](#) ? Related Dx

**Why did this diagnosis come up ?** ✖

**We matched the terms:** coughing | cough | fever | fevers | tachycardia | tachycardic | tender | breast | breasts | short | shortness | breath | lymphadenopathi | lymphadenopathy

- [Angioimmunoblastic T-Cell Lymphoma](#)
- [Burkitt Lymphoma](#)
- [Diffuse Large B Cell Lymphoma](#)
- [Follicular Lymphoma](#)
- [HIV / AIDS Related NHL](#)
- [Intravascular Large B-Cell Lymphoma](#)
- [Lymphoblastic Lymphoma](#)
- [Mantle-Cell Lymphoma](#)
- [Marginal Zone B Cell Lymphoma](#)
- [Peripheral T Cell Lymphoma](#)
- [Small Lymphocytic Lymphoma](#)

**ENDOCRINE SYSTEM** << click to expand

[Hyperthyroidism](#) ? Related Dx

**NEPHROLOGY** << click to expand

[Renal Failure](#) ? Related Dx

**ENVIRONMENTAL HEALTH HAZARDS**

[Diseases of High Altitudes](#) ? Related Dx