

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