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Case 27 (August 27 2009): [N Engl J Med. 361\(9\):900-911](#)

Demographic: Female, 56yrs, America North, General speciality

Clinical features extracted from the case and entered into the query

box:

fever
malaise
lymphadenopathy
rigors
erythematous itchy rash
mild nocturnal diaphoresis
tachycardia
sore throat
cough
diarrhea

Synonyms used by Isabel PRO for the above query:

sore throat
lymphadenopathy
fever
tachycardia
diarrhea
malaise
rigors
cough
diaphoresis
erythematous

STOP !

Before you read further you might want to construct your own:

- Final diagnosis

In the following section you will find:

- The final diagnosis of the case
- Did Isabel suggest the Final diagnosis

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Differential Diagnoses considered by the MGH panel:

Epstein-Barr Virus
Cytomegalovirus infection
HIV infection
Bartonella

Final Diagnosis of the case according to NEJM:

Angioimmunoblastic T-Cell Lymphoma (AITL)

Differential Diagnoses of the case as given by Isabel PRO:

Epstein-Barr Virus – under Infectious Diseases
Cytomegalovirus infection – under Infectious Diseases
HIV infection – under Infectious Diseases
Bartonella – under Infectious diseases

Was the final diagnosis given by Isabel PRO:

Yes, Angioimmunoblastic T-Cell Lymphoma under Non-Hodgkin’s Lymphoma in Neoplastic diseases.

Isabel PRO Final Diagnosis:

The screenshot shows the Isabel PRO interface with the following sections:

- ENTER CLINICAL FEATURES:** Includes dropdown menus for age (adult (50 - 65 years)), gender (female), pregnancy (- not specified -), region (America North), and speciality (General). Below this is a text input area for query terms with the following entries: fever, malaise, lymphadenopathy, rigors, erythematous itchy rash, mild nocturnal diaphoresis, tachycardia, sore throat, cough, and diarrhea. There is a '+ Add a Clinical Feature' link and a 'Get Checklist »' button.
- DEGREE OF MATCH:** Shows '1 NEOPLASTIC DISEASES' with a list of lymphoma types: Non-Hodgkin's Lymphoma (expanded), Less, Angioimmunoblastic T-Cell Lymphoma (highlighted), Burkitt Lymphoma, Diffuse Large B Cell Lymphoma, Follicular Lymphoma, Intravascular Large B-Cell Lymphoma, Lymphoblastic Lymphoma, Maltoma, Mantle-Cell Lymphoma, and Peripheral T-Cell Lymphoma.
- 8 Body Systems:** A list of system categories: INFECTIOUS DISEASES, RESPIRATORY DISORDERS, DERMATOLOGY DISORDERS, GASTROINTESTINAL DISORDERS, ALLERGIC DISORDERS, RHEUMATIC DISEASES, TOXICOLOGY DISORDERS, NEOPLASTIC DISEASES (highlighted), and SHOW ALL DIAGNOSES.

At the bottom of the interface, there is a 'Help' link, a 'Search Again' button, and a disclaimer: 'Isabel PRO is not meant to replace your clinical judgment.'

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