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Case 37 (November 29 2012): [N Engl J Med. 367\(22\):2134-2146](#)

Demographic: Male, 37 years, North America

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

arthralgia
dyspnea
cough
pulmonary infiltrates
fevers
myalgia
interstitial lung disease

Synonyms used by Isabel for the above query:

arthralgia
dyspnea
cough
pulmonary infiltrates
fevers
myalgia
interstitial lung disease

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:

SLE
HIV
Infectious mononucleosis
Adult still disease
Sjogren's syndrome
Mixed connective tissue disease

Final Diagnosis of the case according to NEJM:

Interstitial lung disease (bronchiolitis and nonspecific interstitial pneumonitis) and myositis with anti-PL-12 autoantibodies (antisynthetase syndrome).

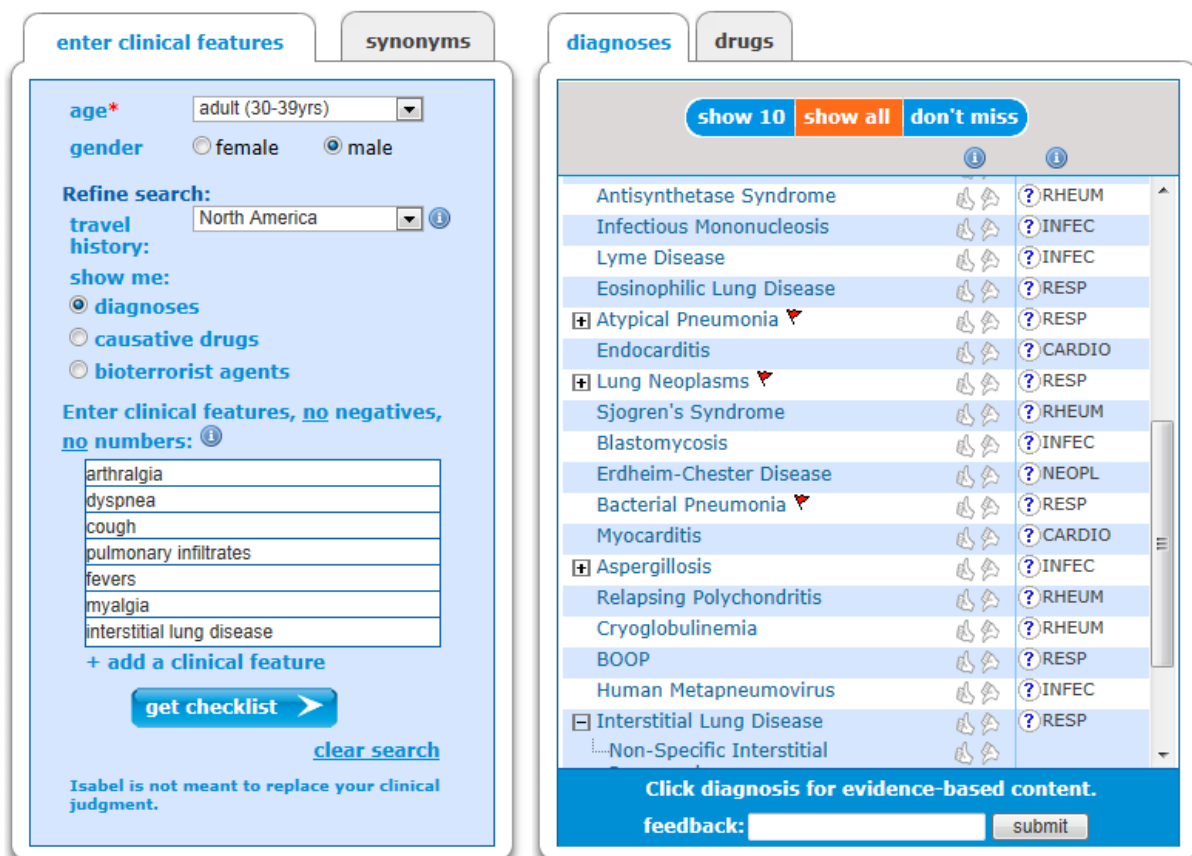
Differential Diagnoses of the case as given by Isabel:

- SLE in Rheumatic
- HIV in Infectious
- Infectious mononucleosis in Infectious
- Sjogren’s syndrome in Rheumatic
- Mixed connective tissue disease in Rheumatic

Was the final diagnosis given by Isabel:

- Yes, (i) Interstitial lung disease in Respiratory
- (ii) Antisynthetase syndrome in Rheumatic

Isabel Checklist Differential:



The screenshot shows the Isabel Checklist Differential interface. On the left, the 'enter clinical features' tab is active, showing search filters for age (adult 30-39yrs), gender (male), travel history (North America), and a list of clinical features including arthralgia, dyspnea, cough, pulmonary infiltrates, fevers, myalgia, and interstitial lung disease. A 'get checklist' button is visible. On the right, the 'diagnoses' tab is active, displaying a list of 20 differential diagnoses with associated organ systems and a feedback form at the bottom.

Diagnosis	Organ System
Antisynthetase Syndrome	RHEUM
Infectious Mononucleosis	INFE
Lyme Disease	INFE
Eosinophilic Lung Disease	RESP
Atypical Pneumonia	RESP
Endocarditis	CARDIO
Lung Neoplasms	RESP
Sjogren's Syndrome	RHEUM
Blastomycosis	INFE
Erdheim-Chester Disease	NEOPL
Bacterial Pneumonia	RESP
Myocarditis	CARDIO
Aspergillosis	INFE
Relapsing Polychondritis	RHEUM
Cryoglobulinemia	RHEUM
BOOP	RESP
Human Metapneumovirus	INFE
Interstitial Lung Disease	RESP
Non-Specific Interstitial	RESP



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