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**Case 12 (April 22 2010):** [N Engl J Med. 362\(16\):1522-1531](#)

**Demographic:** Male, 89 yrs, America North

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

dyspnea on exertion  
somnolent  
rales  
weight loss  
low oxygen saturations  
hypotensive  
persistent cough  
smoker

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

dyspnea on exertion  
somnolent  
rales  
weight loss  
low oxygen saturations  
hypotensive  
persistent cough  
smoker

**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 PRO contain
- Did Isabel PRO suggest the Final diagnosis

**Differential Diagnoses considered by the MGH panel:**

Chronic interstitial lung disease  
COPD

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

Pulmonary asbestosis

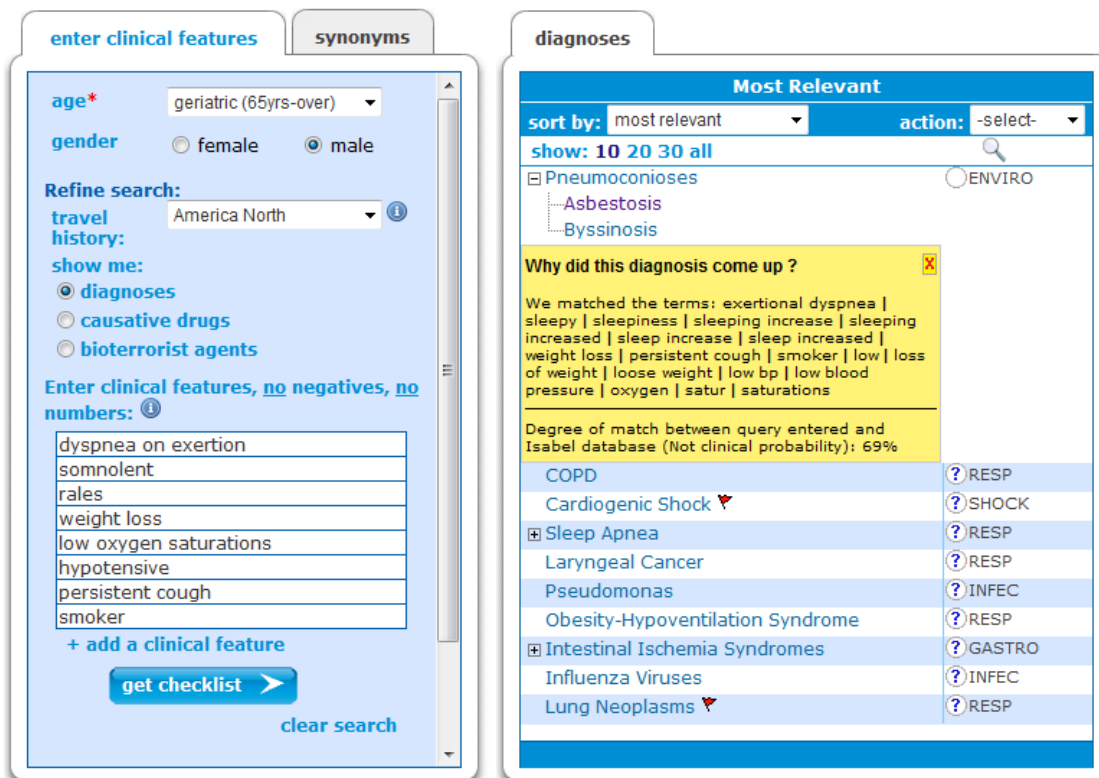
**Differential Diagnoses of the case as given by Isabel PRO:**

Chonic interstitial lung disease under Interstitial lung disease in Respiratory  
 COPD in Respiratory

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

Yes, Asbestosis under Pneumoconioses in Environmental

**Isabel PRO Final Diagnosis:**



The screenshot shows the Isabel PRO interface with two main panels: 'enter clinical features' and 'diagnoses'.

**enter clinical features**

- age\*: geriatric (65yrs-over)
- gender:  female  male
- Refine search: travel history: America North
- show me:  diagnoses,  causative drugs,  bioterrorist agents
- Enter clinical features, no negatives, no numbers:
- clinical features list:
  - dyspnea on exertion
  - somnolent
  - rales
  - weight loss
  - low oxygen saturations
  - hypotensive
  - persistent cough
  - smoker
- + add a clinical feature
- get checklist >
- clear search

**diagnoses**

Most Relevant

sort by: most relevant action: -select-

show: 10 20 30 all

- Pneumoconioses (ENVIRO)
  - Asbestosis
  - Byssinosis

**Why did this diagnosis come up ?**

We matched the terms: exertional dyspnea | sleepy | sleepiness | sleeping increase | sleeping increased | sleep increase | sleep increased | weight loss | persistent cough | smoker | low | loss of weight | loose weight | low bp | low blood pressure | oxygen | satur | saturations

Degree of match between query entered and Isabel database (Not clinical probability): 69%

COPD	? RESP
Cardiogenic Shock	? SHOCK
<input checked="" type="checkbox"/> Sleep Apnea	? RESP
Laryngeal Cancer	? RESP
Pseudomonas	? INFEC
Obesity-Hypoventilation Syndrome	? RESP
<input checked="" type="checkbox"/> Intestinal Ischemia Syndromes	? GASTRO
Influenza Viruses	? INFEC
Lung Neoplasms	? RESP