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Case 40 (December 24 2009): [N Engl J Med. 361\(26\):2558-2569](#)

Demographic: Male, 29 yrs, America North, General speciality

Clinical features extracted from the case and entered into the query

box:

fever
hypoxemia
tachypnea
productive cough
myalgias
headache
sore throat
nasal congestion
blood tinged emesis
renal failure
thrombocytopenia
elevated creatine kinase levels

Synonyms used by Isabel PRO for the above query:

sore throat
hypoxemia
productive cough
tachypnea
thrombocytopenia
fever
headache
nasal congestion
myalgias
renal failure
emesis

STOP !

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

- Complete differential diagnosis
- Final diagnosis

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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:

Tularemia

Final Diagnosis of the case according to NEJM:

2009 Influenza A (H1N1) virus infection

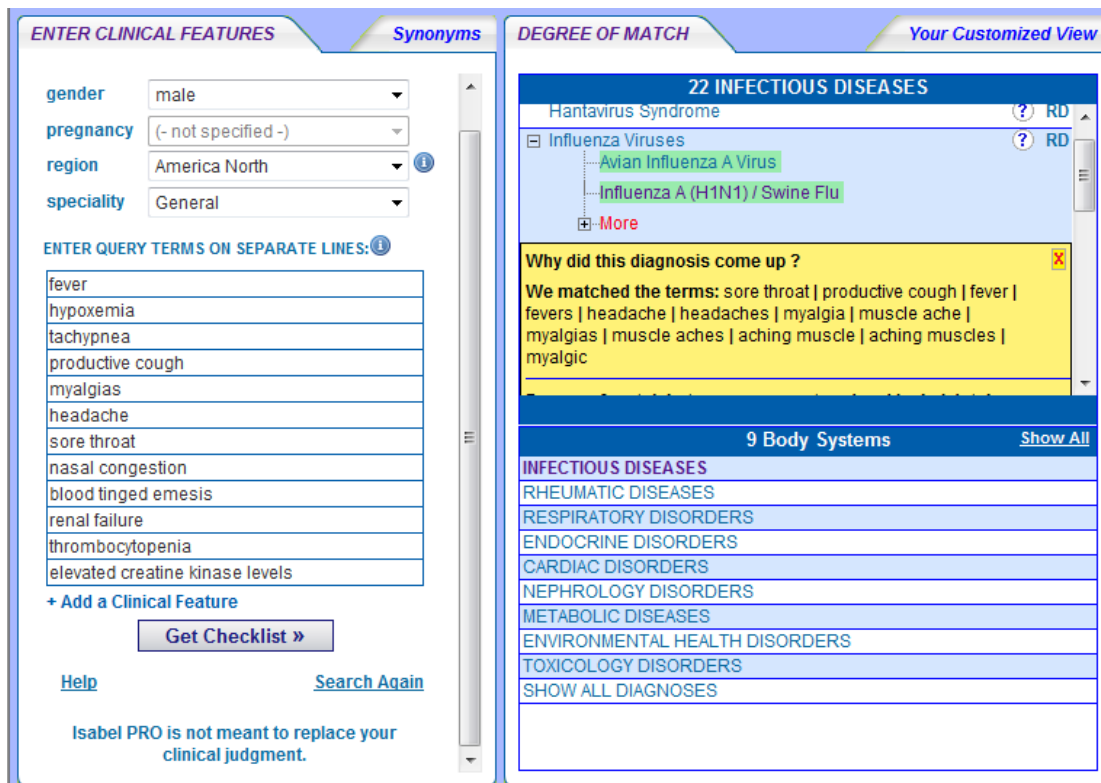
Differential Diagnoses of the case as given by Isabel PRO:

Tularemia – under Infectious diseases

Was the final diagnosis given by Isabel PRO:

Yes, 2009 Influenza A (H1N1) virus infection under Influenza viruses in Infectious diseases.

Isabel PRO Final Diagnosis:



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

- ENTER CLINICAL FEATURES:** Includes dropdowns for gender (male), pregnancy (- not specified -), region (America North), and speciality (General). Below is a list of query terms: fever, hypoxemia, tachypnea, productive cough, myalgias, headache, sore throat, nasal congestion, blood tinged emesis, renal failure, thrombocytopenia, and elevated creatine kinase levels. A "Get Checklist" button and "Add a Clinical Feature" link are also present.
- Synonyms:** A vertical scroll bar is visible.
- DEGREE OF MATCH:** Shows a list of 22 infectious diseases, including Hantavirus Syndrome, Influenza Viruses, Avian Influenza A Virus, and Influenza A (H1N1) / Swine Flu.
- Your Customized View:** A yellow box titled "Why did this diagnosis come up?" lists matched terms: sore throat, productive cough, fever, fevers, headache, headaches, myalgia, muscle ache, myalgias, muscle aches, aching muscle, aching muscles, and myalgic. Below this is a list of 9 body systems: INFECTIOUS DISEASES, RHEUMATIC DISEASES, RESPIRATORY DISORDERS, ENDOCRINE DISORDERS, CARDIAC DISORDERS, NEPHROLOGY DISORDERS, METABOLIC DISEASES, ENVIRONMENTAL HEALTH DISORDERS, TOXICOLOGY DISORDERS, and SHOW ALL DIAGNOSES.