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Case 37 (December 8 2011): [N Engl J Med. 365\(23\):2221-2228](#)

Demographic: Male, 9 months, North America

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

tachypnea
cough
hypoxemia
wheeze
fine lung crackles

Synonyms used by Isabel for the above query:

tachypnea
hypoxemia
cough
wheeze

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:

Bronchiolitis obliterans

Final Diagnosis of the case according to NEJM:

Neuroendocrine-cell hyperplasia of infancy (NEHI)

Differential Diagnoses of the case as given by Isabel:

Bronchiolitis obliterans under Bronchiolitis in Respiratory

Was the final diagnosis given by Isabel:

Yes, Neuroendocrine-cell hyperplasia of infancy (NEHI) under Interstitial lung disease in Respiratory

Isabel Checklist Differential:

enter clinical features
synonyms

age*

gender female male

Refine search:

travel history:

show me:

diagnoses

causative drugs

bioterrorist agents

Enter clinical features, no negatives, no numbers:

tachypnea	✕
cough	✕
hypoxemia	✕
wheeze	✕
fine lung crackles	✕

+ add a clinical feature

get checklist >

[clear search](#)

Isabel is not meant to replace your clinical judgment.

diagnoses
drugs

Results

sort by: most relevant **action:** -select-

show: 10 / all

Croup / Laryngotracheobronchitis	? RESP
[-] Interstitial Lung Disease	? RESP
[-] Neuroendocrine Hyperplasia of Infancy	
Why did this diagnosis come up ?	
We matched the terms: tachypnea tachypneic hypoxemia hypoxemias low oxygen saturation low oxygen saturations wheezing wheeze wheezy wheezes fine crackles crackl lung	
Degree of match between query entered and Isabel database (Not clinical probability): 97%	
[-] Bronchiolitis	? RESP
[-] Respiratory Syncytial Virus	
[-] Bronchiolitis Obliterans	
Viral Induced Wheeze	? RESP
Viral Pneumonia	? RESP
Human Metapneumovirus	? INFEC
[+] Influenza Viruses	? INFEC
Bacterial Pneumonia	? RESP
[+] Aspergillosis	? INFEC

[view all](#)

feedback: