

Case 10 (March 27 2008): [N Engl J Med. 358\(13\):1382-1390](#)

Demographic: Female, 10yrs, America North, General speciality

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

exertional dyspnea
inspiratory stridor
chest pain
wheezing

Synonyms used by Isabel for the above query:

exertional dyspnea
chest pain
wheezing

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:

Foreign body
Intratracheal mass
Tracheal tumor

Final Diagnosis of the case according to NEJM:

Primary tumor of the trachea

Differential Diagnoses of the cases given by Isabel:

Primary Tracheal Tumors – under Respiratory disorders

FB in Respiratory tract – under Respiratory disorders

Was the final diagnosis given by Isabel:

Yes, under Infectious diseases heading

Isabel Differential:

RESPIRATORY DISORDERS << click to expand	
Asthma	? Related Dx
Atypical Pneumonia	? Related Dx
Viral Pneumonia	? Related Dx
Emphysema	? Related Dx
Bacterial Tracheitis	? Related Dx
Pulmonary Edema	? Related Dx
Primary Tracheal Tumors	? Related Dx
<p>Why did this diagnosis come up ? X</p> <p>We matched the terms: exertional dyspnoea dyspnea on exertion Wheezing wheeze STRIDOR stridor</p> <p>Degree of match between query entered and Isabel database (Not clinical probability): 61%</p>	
FB in the Respiratory Tract	? Related Dx
INFECTIOUS DISEASES << click to expand	
Influenza and Parainfluenza Viruses	? Related Dx
ALLERGIC DISORDERS << click to expand	
Anaphylaxis	? Related Dx
TRAUMA INJURIES << click to expand	
Trauma to the Neck	? Related Dx
NERVOUS SYSTEM DISORDERS	
Ataxic Disorders	? Related Dx
ENVIRONMENTAL HEALTH HAZARDS	
Diseases of High Altitudes	? Related Dx

CARDIAC DISORDERS << click to expand	
Cardiomyopathy	? Related Dx
RHEUMATIC DISEASES << click to expand	
Spondyloarthropathies	? Related Dx
NEOPLASTIC DISEASES	
Non-Hodgkin's Lymphoma	? Related Dx
SHOCK STATES	
Cardiogenic Shock	? Related Dx
GASTROINTESTINAL DISORDERS	
FB in the Esophagus	? Related Dx
TOXICOLOGY	
Industrial / Household Toxicity	? Related Dx