

Case 16 (May 21 2009): [N Engl J Med. 360\(21\):2225-2235](#)

Demographic: Male, Neonate, America North, General speciality

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

low hematocrit
bilateral cystic hygromas
pericardial effusion
pleural effusions
pyelectasis
nuchal edema
subcutaneous edema

Synonyms used by Isabel for the above query:

cystic hygromas
pericardial effusion
pleural effusions
edema
pyelectasis
low hematocrit
nuchal edema

STOP !

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

- Final diagnosis

In the following section you will find:

- The final diagnosis of the case
- Did Isabel suggest the Final diagnosis

1st Part of Final Diagnosis of the case according to NEJM:
Nonimmune Hydrops fetalis

Was the 1st part of the final diagnosis given by Isabel:
Yes, Hydrops fetalis – under Neonatal Infant

1st Part of Isabel Differential:

+ INFECTIOUS DISEASES << click to expand <input type="checkbox"/> Mycoplasmal Infections ? RD	+ RESPIRATORY DISORDERS << click to expand <input type="checkbox"/> Neonatal Respiratory Distress ? RD
+ HEMATOLOGY DISORDERS << click to expand <input type="checkbox"/> Iron Deficiency Anemia ? RD <input type="checkbox"/> Hemolytic Disease of the Newborn ? RD	+ CARDIAC DISORDERS << click to expand <input type="checkbox"/> Cardiomyopathy ? RD <input type="checkbox"/> Heart Failure / CHF ? RD
+ NEONATAL INFANT DISEASES << click to expand <input type="radio"/> Hydrops Fetalis RD <div style="border: 1px solid black; background-color: yellow; padding: 5px; margin-top: 5px;"> <p>Why did this diagnosis come up ?</p> <p>We matched the terms: pericardial effusion pleural effusion pleural effusions edema subcutan subcutaneous</p> <hr/> <p>Degree of match between query entered and isabel database (Not clinical probability): 35%</p> </div>	+ GASTROINTESTINAL DISORDERS << click to expand <input type="checkbox"/> Hiatus / Diaphragmatic Hernia ? RD GENETIC DISORDERS ? RD <input type="checkbox"/> Chromosomal Trisomies ? RD
SOCIAL ISSUES <input type="checkbox"/> Abuse and Neglect ? RD	+ ENDOCRINE DISORDERS << click to expand + METABOLIC DISEASES << click to expand + DERMATOLOGY DISORDERS << click to expand
+ NEPHROLOGY DISORDERS << click to expand	

2nd part of diagnosis of the case according to NEJM:

Congenital pulmonary lymphangiectasis – found on autopsy which is one of the causes of Hydrops fetalis.

Clinical features entered into the query box:

Hydrops fetalis

Synonyms used by Isabel for the above query:

Hydrops fetalis

Was the 2nd^t part of the diagnosis given by Isabel:

Yes, Congenital pulmonary lymphangiectasis – under Respiratory Disorders

+ HEMATOLOGY DISORDERS << click to expand <input type="checkbox"/> Hemorrhagic Disease of the Newborn ? RD <input type="checkbox"/> Pure Red Cell Aplasia ? RD <input type="checkbox"/> Thalassemia Syndromes ? RD <input type="checkbox"/> Hemolytic Disease of the Newborn ? RD	- RESPIRATORY DISORDERS >> click to collapse <input type="checkbox"/> Neonatal Respiratory Distress ? RI <input type="checkbox"/> Pleural Effusion ? RI <input type="checkbox"/> Pulm Sequestration ? RI <input type="checkbox"/> Congenital Cystic Adenomatoid Malformation ? RI <input type="radio"/> Congen Pulm Lymphangiectasis RI <div style="border: 1px solid black; background-color: yellow; padding: 5px; margin-top: 5px;"> <p>Why did this diagnosis come up ?</p> <p>We matched the terms: hydrops fetalis</p> <hr/> <p>Degree of match between query entered and isabel database (Not clinical probability): 84%</p> </div> <input type="checkbox"/> Mediastinal Cysts ? RI <input type="checkbox"/> Pulmonary Hypoplasia ? RI
+ CARDIAC DISORDERS << click to expand <input type="checkbox"/> Supraventricular Tachycardia ? RD	+ INFECTIOUS DISEASES << click to expand <input type="checkbox"/> Parvoviral Infections ? RI
NEONATAL INFANT DISEASES <input type="checkbox"/> Hydrops Fetalis ? RD	+ ORTHOPEDIC DISORDERS << click to expand + GASTROINTESTINAL DISORDERS << click to expand
+ METABOLIC DISEASES << click to expand + RHEUMATIC DISEASES << click to expand + ENDOCRINE DISORDERS << click to expand	