

Case 20 (June 28 2007): [N Engl J Med. 356\(26\):2721-2730](#)

Demographic: Male, 11 yrs, America North, General speciality

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

headaches
nasal congestion
rhinorrhea
erythematous vascular unilateral nasal mass
proptosis
hypertelorism

Synonyms used by Isabel for the above query:

Headaches
Nasal congestion
Rhinorrhea
Proptosis

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:

Ossifying fibroma
Juvenile (aggressive) ossifying fibroma
Olfactory neuroblastoma
Soft Tissue Neoplasms/Sarcomas

Final Diagnosis of the case according to NEJM:

Olfactory neuroblastoma

Differential Diagnoses of the case as given by Isabel:

Neuroblastoma – Isabel top 10

Soft Tissue Neoplasms/Sarcomas – click on Neoplastic diseases heading

Osteofibrous dysplasia – click on Orthopedic disorders heading

Fibrous Dysplasia – click on Orthopedic disorders heading

Was the final diagnosis given by Isabel:

Yes, Isabel top 10

Isabel differential:

RESPIRATORY SYSTEM DISORDERS << Click here	ENDOCRINE SYSTEM << Click here
<input type="checkbox"/> Sinusitis <input type="button" value="?"/> Related Dx <input type="checkbox"/> Atypical Pneumonia <input type="button" value="?"/> Related Dx	RHEUMATIC DISEASES << Click here
NEOPLASTIC DISEASES << Click here	OPHTHALMOLOGY << Click here
Neuroblastoma <input type="button" value="?"/> Related Dx Retinoblastoma <input type="button" value="?"/> Related Dx	ORTHOPEDIC DISORDERS << Click here
INFECTIOUS DISEASES << Click here	<input type="checkbox"/> Benign Bone Tumors <input type="button" value="?"/> Related Dx
Herpes Zoster <input type="button" value="?"/> Related Dx	<ul style="list-style-type: none"> <input type="checkbox"/> Aneurysmal Bone Cysts <input type="checkbox"/> Chondroblastoma <input type="checkbox"/> Chondromyxoid Fibroma <input type="checkbox"/> Desmoplastic Fibroma <input type="checkbox"/> Enchondroma <input type="checkbox"/> Fibromas <input type="checkbox"/> Fibrous Cortical Defects <input type="checkbox"/> Fibrous Dysplasia <input type="checkbox"/> Ollier's Disease <input type="checkbox"/> Osteoblastoma <input type="checkbox"/> Osteofibrous Dysplasia <input type="checkbox"/> Osteoid Osteoma <input type="checkbox"/> Unicameral Bone Cysts
DERMATOLOGY << Click here	
Staphylococcal Scalded Skin Syndrome <input type="button" value="?"/> Related Dx	
NERVOUS SYSTEM DISORDERS << Click here	
<input type="checkbox"/> Cerebral Sinus Venous Thrombosis <input type="button" value="?"/> Related Dx <input type="checkbox"/> Neurofibromatosis <input type="button" value="?"/> Related Dx	
ALLERGIC DISORDERS	
Allergic Rhinitis <input type="button" value="?"/> Related Dx <input type="checkbox"/> Food Allergy <input type="button" value="?"/> Related Dx	
	GASTROINTESTINAL DISORDERS << Click here
	HUMAN GENETICS << Click here
	TRAUMA INJURIES << Click here