

Case 16 (May 26 2005): [N Engl J Med 2005;352:2223-31](#)

Demographics: Female, 9 yrs, America North, General speciality

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

headaches
enuresis
blurred vision
papilledema
vomiting
hypertension
tachycardia
hyperdynamic precordium
cafe au lait spots
proteinuria
hypokalemia
alkalosis

Synonyms used by Isabel for the above query:

Headaches
Hypokalemia
Proteinuria
Alkalosis
Vomiting
Blurred vision
Papilledema
Enuresis
Hypertension

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:

Pheochromocytoma
Thyrotoxicosis
Carcinoid tumor that was secreting serotonin.
Secondary hyperaldosteronism
Neurofibromatosis

Final Diagnoses of the case according to NEJM:

Pheochromocytoma

Differential Diagnoses of the case as given by Isabel:

Pheochromocytoma – Isabel 1st page
Neurofibromatosis – Isabel 1st page

Was the final diagnosis given by Isabel:

Yes, Isabel 1st page

Entire presentation cut and pasted into the Isabel query box:

None of the above

Isabel differential for extracted features:

<p>NERVOUS SYSTEM DISORDERS << Click here</p> <p><u>Neurofibromatosis</u> RD</p> <p><u>Epilepsy & Seizure Disorders</u> RD</p> <p><u>Tuberous Sclerosis</u> RD</p>	<p>ENDOCRINE SYSTEM << Click here</p> <p><input type="checkbox"/> <u>Adrenal Neoplasms</u> RD</p> <p><u>Hyperpituitarism</u> RD</p> <p><u>Pheochromocytoma</u></p>
<p>UROLOGIC DISORDERS << Click here</p> <p><u>Renal Arterial Stenosis / Obstruction</u> RD</p>	<p>HEMATOLOGY << Click here</p> <p><input checked="" type="checkbox"/> <u>Aplastic Anemia</u> RD</p>
<p>CARDIAC DISORDERS << Click here</p> <p><u>Pulmonary Vascular Disease</u> RD</p>	<p>ORTHOPEDIC DISORDERS << Click here</p> <p><input checked="" type="checkbox"/> <u>Kyphoscoliosis Disorders</u> RD</p>
<p>GASTROINTESTINAL DISORDERS << Click here</p>	<p>DERMATOLOGY << Click here</p> <p><input checked="" type="checkbox"/> <u>Skin Pigmentation Disorders</u> RD</p>
<p>IMMUNOLOGIC SYSTEM << Click here</p>	<p>INFECTIOUS DISEASES << Click here</p>
<p>ENVIRONMENTAL HEALTH HAZARDS << Click here</p>	<p>RHEUMATIC DISEASES << Click here</p>
<p>TOXICOLOGY << Click here</p>	<p>HUMAN GENETICS << Click here</p>
	<p>METABOLIC DISEASES << Click here</p>