
**Demographic:** Male, 36 yrs, America North, General speciality

**Clinical features extracted from the case and entered into the query box:**
numbness in arm
sustained hypertension
profuse sweating at night
palpitations
insomnia
Anxiety
retinal hemangioma in the superotemporal periphery, with a large vein
adrenal mass
complex cyst in kidney with enhancing septations.
multiple hemangioma lesions in liver
medullary tumor
small focal area of enhancement posterior to the spinal cord

**Synonyms used by Isabel (optional) for the above query:**
insomnia

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:**
- Recurrent pheochromocytoma (hereditary)
- Multiple Endocrine Neoplasia
- Neurofibromatosis
- Familial Paraganglioma
- von Hippel–Lindau Disease (VHL)

**Final Diagnoses of the case according to NEJM:**
VHL disease with pheochromocytoma, hemangioblastomas of the medulla and spinal cord, and renal and hepatic cysts.

**Differential Diagnoses of the case as given by Isabel:**
- Recurrent pheochromocytoma – Isabel 1st page
- Multiple Endocrine Neoplasia – Isabel 1st page
- Neurofibromatosis – Isabel 1st page
- Von Hippel–Lindau Disease (VHL) – Isabel 2nd page

**Was the final diagnosis given by Isabel:**
Yes, Isabel 1st page

**Entire presentation cut and pasted into the Isabel query box:**
- Multiple Endocrine Neoplasia – Isabel 1st page
### Isabel differential:

**NERVOUS SYSTEM DISORDERS**
- Cervical Spondylosis
- Syringomyelia
- CVA / Stroke
- Spinal Cord Tumors
- Carpal Tunnel Syndrome
- Ataxic Disorders
  - Multiple Sclerosis
  - Ataxia
- Myelitis
- Intracranial Hemorrhage
- Diabetic Neuropathy
- Thoracic Outlet Syndrome

**NEUROMUSCULAR DISORDERS**
- Polyneuropathy Disorders
- Hereditary Motor-Sensory Neuropathies
- Motor Neurone Disease
- Dermatomyositis / Polymyositis
- Endocrine Myopathies
- Familial Spastic Paraplegia

**REPRODUCTIVE SYSTEM DISORDERS**
- Dysfunctional Uterine Bleeding
- Uterine Fibroids
- Endometriosis
- Polycystic Ovary Syndrome

**ENDOCRINE SYSTEM**
- Hypothyroidism

**ORTHOPEDIC DISORDERS**
- Degenerative Spinal Disorders
  - Intervertebral Disk Herniation
- Osteoarthritis
- Rheumatoid Arthritis
- Gout

**HEMATOLOGY**
- Megaloblastic Anemia

**IMMUNOLOGIC SYSTEM**
- Eosinophilia Myalgia Syndrome

**RHEUMATIC DISEASES**
- Fibromyalgia

**NUTRITIONAL DISORDERS**
- Thiamine Deficiency

**INFECTIONOUS DISEASES**
- Lyme Disease

**VASCULAR DISORDERS**
- Peripheral Arterial Disease