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

Clinical features extracted from the case and entered into the query box:
chest pain
dysphagia
exertional dyspnea
gastroesophageal reflux
lightheadedness
sinus tachycardia
weakness in arms and legs
migraines
elevated alkaline phosphatase level
hypercalcemia

Synonyms used by Isabel for the above query:
hypercalcemia
chest pain
dysphagia
exertional dyspnea
gastroesophageal reflux
migraine
sinus tachycardia
lightheadedness
weakness

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:**
Osteosarcoma

**Final Diagnosis of the case according to NEJM:**

(i) Diffuse malignant mesothelioma, with extensive osseous differentiation, involving the pleura, chest wall, lung, mediastinum, esophagus, and pericardium.

(ii) Acute myocardial infarction.

**Differential Diagnoses of the case as given by Isabel:**
Osteosarcoma – Malignant bone tumors - under Neoplastic diseases.

**Was the final diagnosis given by Isabel:**
Yes, Pleural mesothelioma – Lung neoplasms under Respiratory disorders.
Acute myocardial infarction – Ischemic heart disease under Cardiac disorders.

**Isabel Differential:**