
Demographic: Female, 62 yrs, South-East Asia

Clinical features extracted from the case and entered into the query box:
- microcytic anemia
- paraspinal masses
- exertional dyspnea
- fatigue
- splenomegaly

Synonyms used by Isabel for the above query:
- microcytic anemia
- paraspinal masses
- exertional dyspnea
- fatigue
- splenomegaly

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:
Myelofibrosis

Final Diagnosis of the case according to NEJM:
Thalassemia intermedia (Hemoglobin H disease) with extramedullary hematopoiesis

Differential Diagnoses of the case as given by Isabel:
Myelofibrosis in Hematology

Was the final diagnosis given by Isabel:
Yes, Thalassemia intermedia in Hematology
Isabel Checklist Differential:

- **Enter clinical features**: Select gender (female, male), age (geriatric 65yrs-over), and refine search by travel history (Southeast Asia).

- **Diagnoses and drugs**: Sort by most relevant and action to select. The results include conditions such as Iron Deficiency Anemia, Thalassemia Syndromes, and others, with a degree of match between query entered and Isabel database (not clinical probability): 56%.