

Case 1 (January 11 2007): [N Engl J Med 2006;356:174-182](#)

Demographic: Female, 40 yrs, America North, General speciality

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

menorrhagia
prolonged menstruation
bloody emesis
epistaxis
gingival bleeding
easy bruising
hoarseness
difficulty swallowing
neck swelling
abdominal cramps
headache
confusion
loss of consciousness
agitation
tachycardic
bleeding
ecchymoses
petechiae
prolonged thrombin time
low hematocrit

Synonyms used by Isabel for the above query:

loss of consciousness
confusion
easy bruising
petechiae
menorrhagia
headache
epistaxis
abdominal cramps
hoarsenes

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:

Multiple Vitamin K deficiency
Brodifacoum Ingestion / Superwarfarins Toxicity
Disseminated Intravascular Coagulation

Final Diagnosis of the case according to NEJM:

Multiple Vitamin K deficiency due to Brodifacoum ingestion

Differential Diagnoses of the case as given by Isabel:

Multiple Vitamin K deficiency – Yes, 1st page
Brodifacoum Ingestion / Superwarfarins Toxicity – Yes, click on Toxicology heading
Disseminated Intravascular Coagulation – Yes, click on Hematology heading
Stroke – No

Was the final diagnosis given by Isabel:

Multiple Vitamin K deficiency - Yes, Isabel 1st page
Brodifacoum Ingestion / Superwarfarins Toxicity – Yes, Click on Toxicology heading

Entire presentation cut and pasted into the Isabel query box:

Multiple Vitamin K deficiency - No
Brodifacoum Ingestion / Superwarfarins Toxicity - No

Isabel differential for extracted features:

Vitamin K deficiency

HEMATOLOGY << Click here	OBSTETRIC DISORDERS << Click here
<u>Aplastic Anemia</u> RD	<u>Puerperium Complications</u> ♀ RD
<u>Vit K Deficiency</u> RD	GYNECOLOGICAL DISORDERS << Click here
<u>Drug Induced Thrombocytopenia</u> RD	↳ <u>Abnormal Uterine Bleeding</u> ♀ RD
<u>Von Willebrand Disease</u> RD	PSYCHOLOGIC DISORDERS << Click here
<u>Hereditary Deficiency of Platelet Storage Granules</u> RD	↳ <u>Psychosomatic Illness</u> RD
<u>ITP</u> RD	ENDOCRINE SYSTEM << Click here
INFECTIOUS DISEASES << Click here	SHOCK STATES << Click here
<u>Meningococcal Disease</u> RD	

Superwarfarins Toxicity – Click on Toxicology

TOXICOLOGY	
↳ <u>Drug Overdose/Poisoning</u> RD	
↳ <u>Substance Abuse</u> RD	
↳ <u>Heavy Metal Intoxication</u> RD	
	↑ Warfarin and Superwarfarins Toxicity Salicylates Toxicity