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**Case 29 (September 23 2010):** [N Engl J Med. 363\(13\):1266-1274](#)

**Demographic:** Female, 29 yrs, North America

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

intermittent fevers  
flank pain  
foul smelling urine  
abdominal pain radiating to back  
nausea and vomiting  
splenomegaly  
splenic infarction  
lymphadenopathy

**Synonyms used by Isabel for the above query:**

intermittent fevers  
flank pain  
splenomegaly  
lymphadenopathy  
nausea and vomiting  
foul smelling urine  
splenic infarction  
lymphadenopathy

**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:**

Ureteral stone

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

Epstein-Barr viral infection

**Differential Diagnoses of the case as given by Isabel:**

Ureteral stone under upper urinary tract obstruction in Urology

**Was the final diagnosis given by Isabel:**

Yes, EBV in Infectious

**Isabel Differential:**

**enter clinical features** | synonyms

age\*

gender  female  male

pregnancy

Refine search:

travel

history:

show me:

diagnoses

causative drugs

bioterrorist agents

Enter clinical features, no negatives, no numbers: ⓘ

intermittent fevers
flank pain
foul smelling urine
abdominal pain radiating to back
nausea and vomiting
splenomegaly
splenic infarction
lymphadenopathy

+ add a clinical feature

**get checklist** >

clear search

**diagnoses**

**Most Relevant**

sort by:  action:

show: 10 20 30 all

Urinary Tract Infection	<input type="radio"/> NEPHRO
Pyelonephritis ▼	<input type="radio"/> NEPHRO
EBV Infection	<input type="radio"/> INFEC

**Why did this diagnosis come up ?** ⓘ

We matched the terms: splenomegaly | splenomegally | splenic infarction | splenic infarctions | splenic infarct | lymphadenopathy | swollen lymph node | swollen lymph nodes | swollen lymph gland | swollen lymph glands | swollen glands | swollen gland | abdomen | abdominal | pain | pain in side | pain in the flank | pain in the flanks | pain in sides | pain sides

Degree of match between query entered and Isabel database (Not clinical probability): 57%

Antiphospholipid Syndrome	<input type="radio"/> RHEUM
Neoplasms of the Kidney	<input type="radio"/> NEPHRO
Hodgkin's Disease	<input type="radio"/> NEOPL
Pancreatitis ▼	<input type="radio"/> GASTRO
Brucellosis	<input type="radio"/> INFEC
Aortic Aneurysm / Dissection ▼	<input type="radio"/> VASC
Arboviral Disease	<input type="radio"/> INFEC