Case 31 (October 11 2007):  

**N Engl J Med. 357(15):1531-1541**

**Demographic:** Male, 41 yrs, America North, General speciality

**Clinical features extracted from the case and entered into the query box:**
lower quadrant abdominal pain  
nausea  
increased creatinine  
chills  
fatigue  
hiccupping  
headache  
myalgias  
oliguria  
dry oral mucous membranes  
distended abdomen  
hematuria  
proteinuria

**Synonyms used by Isabel for the above query:**
lower quadrant abdominal pain  
increased creatinine  
fatigue  
headache  
myalgias  
oliguria  
distended abdomen  
hematuria  
proteinuria

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:**
Acute tubular necrosis - NSAIDS  
Hantavirus infection

**Final Diagnosis of the case according to NEJM:**
Acute tubular injury (acute tubular necrosis) and glomerular podocyte injury, both caused by NSAIDs in association with dehydration.

**Differential Diagnoses of the case as given by Isabel:**
Acute Renal failure - Isabel top 10  
Hantavirus infection – click on Infectious diseases heading  
Analgesics Nephropathy – click on Nephrology heading, under Interstitial Nephritis  
Causative Drugs – NSAIDs – click on Analgesics heading

**Was the final diagnosis given by Isabel:**
Yes, Isabel top 10
### Nephrology
- Renal Failure
  - Acute Renal Failure
  - Chronic Renal Failure
- Diabetic Nephropathy
- Glomerulonephritis
- Interstitial Nephritis
  - Acute Interstitial Nephritis
  - Analgesics Nephropathy
  - Chronic Interstitial Nephritis
  - Drug and Toxin-Induced Nephropathy
  - Gold and Penicillamine Nephropathy
  - Radiation Nephropathy
- Goodpasture's Syndrome

### Respiratory System Disorders
- 

### Cardiac Disorders
- 

### Rheumatic Diseases
- 

### Hematology
- 

### Allergic Disorders
- 

### Endocrine System
- 

### Gastrointestinal Disorders
- 

### Shock States
- 

### Toxicology
- 

### Urologic Disorders
- Urinary Tract Infection

### Dermatology
- Steven-Johnson Syndrome
- Toxic Epidermal Necrolysis

### Nutritional Disorders
- VIT C Deficiency

### Infectious Diseases
- Meningococcal Disease
- Toxic Shock Syndrome
- EBV Infection
- Brucellosis
**Causative drugs differential:** click on causative drugs link...

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<tr>
<th>Category</th>
<th>Drugs</th>
<th>Action</th>
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<td>Gastrointestinal Drugs</td>
<td>Antiemetics</td>
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<td>Bisphosphonates</td>
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<td>Bone Modulating Drugs</td>
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