

Case 19 (June 21 2007): [N Engl J Med. 356\(25\):2631-2637](#)

Demographic: Female, 19yrs, Not pregnant, America North, General speciality

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

arthralgia
fever
hypotension
sore throat
fatigue
nasal congestion
aphthous ulcers
cervical lymphadenopathy
ear pain
difficulty swallowing
enlarged tonsils
nausea
vomiting
chills
abdominal pain
dehydration
diffuse myalgia
headache
cough
malaise
oral petechiae
palpable liver edge
urticarial rash

Synonyms used by Isabel for the above query:

abdominal pain
sore throat
aphthous ulcers
cough
ear pain
difficulty swallowing
fatigue
hypotension
malaise
nasal congestion
vomiting

arthralgia

cervical lymphadenopathy
fever
headache

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:

Infectious mononucleosis
Septic arthritis (N. gonorrhoeae and S. aureus.)
Gonococcal Arthritis (N. Gonorrhoeae)
Reactive arthritis

Final Diagnosis of the case according to NEJM:

Meningococcal arthritis and Infectious mononucleosis / EBV infection

Differential Diagnoses of the case as given by Isabel:

Meningococcal disease – Isabel top 10
EBV infection – Isabel top 10
Gonococcal infection – click on Infectious diseases heading

Was the final diagnosis given by Isabel:

Yes, Isabel top 10

Isabel differential:

| | | |
|---|--|--|
| INFECTIOUS DISEASES << Click here | | LIVER DISORDERS << Click here |
| <ul style="list-style-type: none"> Viral Meningoencephalitis ? Related Dx Meningococcal Disease ? Related Dx EBV Infection ? Related Dx Toxic Shock Syndrome ? Related Dx Herpes Simplex Virus Infection ? Related Dx Brucellosis ? Related Dx Anthrax ? Related Dx Yersinia Infection ? Related Dx Rocky Mountain Spotted Fever ? Related Dx Lyme Disease ? Related Dx Rickettsialpox ? Related Dx Q Fever ? Related Dx Chlamydial Infections ? Related Dx CMV Infections ? Related Dx Relapsing Fever ? Related Dx Gonococcal Infection ? Related Dx Babesiosis ? Related Dx Arboviral Infections / Encephalitides ? Related Dx Influenza and Parainfluenza Viruses ? Related Dx Murine Typhus ? Related Dx Listeriosis ? Related Dx Tularemia ? Related Dx Clostridial Infections ? Related Dx Toxoplasmosis ? Related Dx Enterovirus Infections ? Related Dx Salmonella Infections ? Related Dx Ehrlichiosis and Anaplasmosis ? Related Dx Ascariasis ? Related Dx Rat-Bite Fever ? Related Dx Psittacosis ? Related Dx | | <ul style="list-style-type: none"> RHEUMATIC DISEASES << Click here CARDIAC DISORDERS << Click here ALLERGIC DISORDERS << Click here |
| RESPIRATORY SYSTEM DISORDERS << Click here | | |
| <ul style="list-style-type: none"> Pharyngitis / Tonsillitis ? Related Dx | | |
| DERMATOLOGY | | |
| <ul style="list-style-type: none"> Toxic Epidermal Necrolysis ? Related Dx | | |
| GASTROINTESTINAL DISORDERS | | |
| <ul style="list-style-type: none"> Food Poisoning ? Related Dx | | |