

Case of the month

Dr. Vipul V Shah

MD

Consultant : Infectious diseases

Case history

- 14 years old girl
- Fever since 30 days
 - Daily
 - With chills
 - Two to three times spikes per day
 - Maximum temperature upto 103°F
 - Fever subsided with perspiration
- Pain in abdomen one month
- Decreased appetite
- Weight loss present
- Ankle joint swelling and pain on right side
- Small joints of hands are also painful

Case history

- Past history
 - Jaundice before 5 years
- Family history
 - Not significant
- Personal history
 - Brother having similar illness before one month

On Examination

- Temp : 103.4°F
- Pulse : 100/min; BP: 100/70 mm of Hg
- Pallor +, Skin : erythematous blanching skin rash
- Bilateral cervical lymphnodes present
- Left ankle joint swollen and mild tenderness present
- Right MCP joint also swollen and tender
- Systemic examination was normal

Laboratory investigations before presentation to us

- Hb : 12.5 gm%; TC:6200/cmm
- DC: P44/L52/E2/M2/B0
- ESR 30/first hour
- S. widal : Negative
- SGPT : 99 U/L
- S. Billirubin : T 0.7/D 0.4/ I 0.3
- Urine routine : Normal

Investigation at our clinic

- S. Alk. Phosphatase : 126.4 U/L
- S. Ferritin : 273.92 NG/ML
- Brucella abortus antibody : titre =1:320
- Brucella melintensis antibody : titre =1:320

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Name : VRISHA PATEL
Case ID : 10045990916 Pt. ID : 10045990916
Sex/Age : F / 14 Years Ph / Mo : / 9979450253
Ref By : Dr. KIRTI M. PATEL - MD , Dr. VIPUL V SHAH - MD

LABORATORY REPORT

Registration Date & Time : 20-Sep-2016 19:36	Sample Type : SERUM
Sample Date & Time : 20-Sep-2016 19:31	Sample Collected By : STMPL
Report Date & Time : 22-Sep-2016 09:12	Accessioning Remarks :

TEST	RESULTS	UNIT	EXPECTED VALUES	REMARKS
AGGLUTINATION TEST FOR BRUCELLA (ABORTUS & MELINTENSIS)				
Abortus	TITRE = 1:320			
Melintensis	TITRE = 1:320			
Remarks	POSITIVE			

INTERPRETATIONS

Useful for detection of antibodies in to Brucella abortus & Brucella melitensis antigen from patient serum sample by tube agglutination method. Brucella is a gram negative coccobacilli capable of infecting a wide range of animal & man. Of the three species causing human infection, B. melitensis is the most pathogenic followed by B. suis & B. abortus. Brucellosis is transmitted through contaminated & untreated milk & mild products & by direct contact with infected animals. The incubation period of brucellosis is usually one to three weeks, but sometimes may be several months.

Blood culture positive for Brucella spp.


- Positive on seventh day

SATYAM
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MP-MANINAGAR
00 a.m. to 9.00 p.m.)

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SHAH - MD

LABORATORY REPORT



Registration Date & Time : 20-Sep-2016 19:36	Sample Type : Blood (Aerobic)
Sample Date & Time : 20-Sep-2016 19:31	Sample Collected By : STMPL
Report Date & Time :	Accessioning Remarks :

TEST	RESULTS
	STERILE BODY FLUID CULTURE (AEROBIC)
Specimen	Blood (Aerobic)
Culture Methods	A <u>POSITIVE,Beep after 7 days</u>
Microscopic Examination (FROM GROWTH)	A <u>The smear shows gram negative bacilli</u>
Organism	Brucella spp.
Note	Please corelate clinically. Identification on automated system suggested.

----- End Of Report -----

Treatment and follow up

- Patient is put on
- Inj. Streptomycin 0.5 gm per day I/M for two week
- Tab Doxycycline 100 mg twice daily for 6 weeks
- Patient became afebrile on 5th day
- Clinically improved in all symptoms in one week

Thanks

- Dr. Kirti Patel MD for referring patient
- Patient for trusting in us
- Dr. Khyati Makwana (Clinical assistant)
- Supratech lab