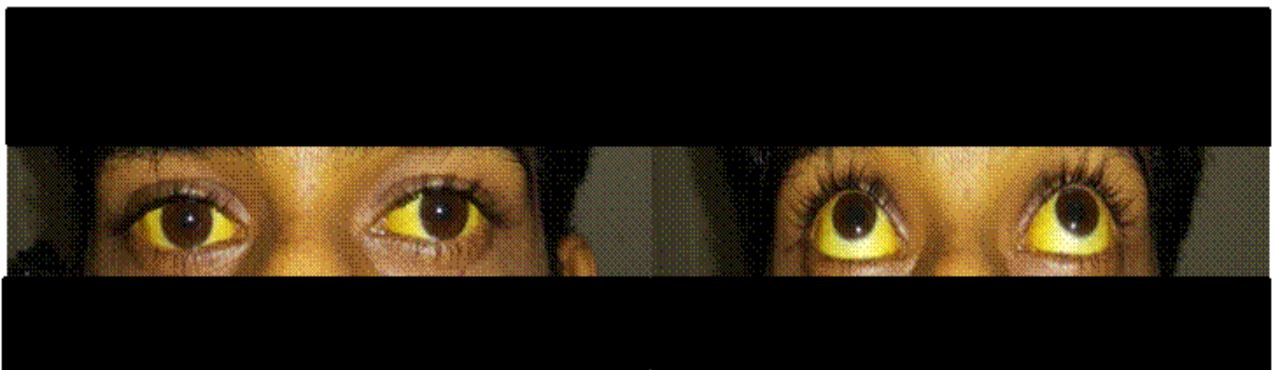


Mr R D, 24 years old male, presented with jaundice for 1 month, preceded by prodrome (fever, bodyache, weakness). The patient was diagnosed to have acute hepatitis A virus (HAV) infection on the basis of raised liver enzymes and positive Ig M HAV antibody test. Serum bilirubin was increased to 43mg/dl with conjugated fraction of 36mg/dl. Ultrasound abdomen ruled out any extrahepatic obstruction. Patient was started on ursodeoxycholic acid (UDCA) and other supportive treatment but there was no improvement in jaundice or itching. Prothrombin time was prolonged that was corrected by Vitamin K injection. Hemoglobin electrophoresis revealed beta thalassemia trait. Patient was diagnosed to had prolonged cholestasis based on persistent high bilirubin (43mg/dl) after 12 weeks in absence of renal failure. Short course of oral steroid was started after 12 weeks of duration. Patient recovered over next 5 weeks and serum bilirubin became normal.



Age / Sex : 24 Yrs/MALE
Date of Collection : 15/04/14
Date of Reporting : 15/04/14

BIOCHEMISTRY (BLOOD)

Investigations	Result	Reference - Range
Urea	16 mg./dl.	15 - 45 mg./dl.
Creatinine	0.62 mg./dl.	0.52 - 1.2 mg./dl.
Sodium	133.5 mmol/L	135 - 145 mmol/L
Potassium	4.86 mmol/L	3.5 - 5.5 mmol/L
Chloride	104.3 mEq/L	98 - 108 mEq/L
Bilirubin Total	43.7 mg./dl.	0.2 - 1.2 mg./dl.
Bilirubin Conjugated	35.7 mg./dl.	< 0.25 mg./dl.
Bilirubin Unconjugated	8 mg./dl.	< 0.21 mg./dl.
Alkaline Phosphate	240 U/L	108 - 306 U/L
Alanine Aminotransferase (SGPT)	80 U/L	Upto 48 U/L
Aspartate Aminotransferase (SGOT)	100 U/L	Upto 46 U/L
Protein Total	7.6 gm/dl.	6.6 - 8.3 gm/dl.
Albumin	5.6 gm/dl.	3.5 - 5.3 gm/dl.
Globulin	2 gm/dl.	2.4 - 4.2 gm/dl.
A/G Ratio	2.80	14 +/- 2 Sec.
Prothrombin Test	17 Sec.	
Prothrombin Control	14 Sec.	
Prothrombin Index	82.35 %	
Prothrombin Ratio	1.21	
INR Value	1.21	

PATIENT NAME: [REDACTED] AGE: 24 Years SEX: Male DATE OF BIRTH: [REDACTED]
DRAWN: 15/04/2014 11:00 RECEIVED: 15/04/2014 16:12 REPORTED: 16/04/2014 14:02

REFERING DOCTOR: [REDACTED] CLIENT/PATIENT ID: [REDACTED]

Test Report Status	Final	Results	Biological Reference Range
HEPATITIS ACUTE EVALUATION 1 - SERUM			
HEPATITIS C ANTIBODIES, SERUM			
HEPATITIS C ANTIBODIES	NON REACTIVE	NON REACTIVE	
METHOD: CHEMILUMINESCENT MICROPARTICLE IMMUNASSAY (CMIA)			
HEPATITIS E IGM, SERUM			
HEPATITIS E IGM	NEGATIVE	NEGATIVE	
PATIENT VALUE	0.004		
METHOD: ENZYME IMMUNOASSAY			
CUT OFF VALUE	0.262		
HEPATITIS B SURFACE ANTIGEN			
HEPATITIS B SURFACE ANTIGEN	NON REACTIVE	NON REACTIVE	
METHOD: CHEMILUMINESCENT MICROPARTICLE IMMUNASSAY (CMIA)			
PATIENT VALUE	0.03	< 0.55 (Non Reactive) > 0.55 (Reactive)	
METHOD: CHEMILUMINESCENT MICROPARTICLE IMMUNASSAY			
HEPATITIS A IGM, SERUM			
HEPATITIS A IGM	REACTIVE	NON REACTIVE	
METHOD: CHEMILUMINESCENT MICROPARTICLE IMMUNASSAY (CMIA)			
PATIENT VALUE	5.15	High < 0.80 (Non Reactive) 0.80 - 1.20 (Grey Zone) > 1.20 (Reactive)	
HEPATITIS B CORE IGM, SERUM			
HEPATITIS B CORE IGM	NON REACTIVE	NON REACTIVE	
METHOD: CHEMILUMINESCENT MICROPARTICLE IMMUNASSAY (CMIA)			
PATIENT VALUE	0.07	< 1.00 (Non Reactive) > 1.00 (Reactive)	
BILIRUBIN, TOTAL, SERUM			
BILIRUBIN, TOTAL	31.3	High 0.00 - 1.00	
METHOD: SPECTROPHOTOMETRY			
Comments			
RECHECKED FOR SERUM TOTAL BILIRUBIN, AST AND ALT PLEASE CORRELATE CLINICALLY.			
ASPARTATE AMINOTRANSFERASE, SERUM	86	High 15 - 37	
METHOD: SPECTROPHOTOMETRY			
ASPARTATE AMINOTRANSFERASE (AST/SGOT)			
METHOD: SPECTROPHOTOMETRY			

PATHOLOGY
Name: [REDACTED] Age: 24 Yrs
Bill Date: 15-Apr-2014 IP No: 761855 Ref: 56 Bed No: 3056
Dr. SUNILBARAN DASCHAKRABORTY Report No.: 2396
Reported Date: 16-Apr-2014 Print Date: 16-Apr-2014 3:50 pm

BLOOD

HPLC TEST REPORT

HPLC OF HAEMOGLOBIN ON BIO-RAD D10

Fractions	Patient Value %	Normal %
F	1.0	0 - 2
A2	6.3	2 - 3.5
A	79.9	96 - 99
Other	NIL	NIL
Haemoglobin - Hb S		

Interpretation: Beta Thalassemia Trait.