

GIT Module

CBL

A 22 years old male presented with repeated episodes of jaundice for last couple of years. His examination revealed lemon yellow sclera and liver palpable by 1 finger and tip of spleen also palpable while rest of general and systemic examination was unremarkable.

Lab Report 01:

TEST	NORMAL	PATIENT
Hb	13-16	10
Reticulocyte Count	<2%	6%
Bili Total	1.2	6.0
Bili Direct	1.0	2.0
ALT	40	35
ALP	200	170

The LFT of another patient with a history of fever, nausea and occasional vomiting for 6 days, he was tender in his right upper quadrant of abdomen with tender liver palpable for 3 fingers are given below.

Lab Report 02:

TEST	NORMAL	PATIENT
Bili Total	1.2	12.0
Bili Direct	1.0	10.0
ALT	40	1500
ALP	200	300

The LFT of the third patient is given below. She is 45 years old and presented with jaundice for 14 days which is progressively increasing, she has upper abdominal pain and hepatomegaly.

She also complains of dark colored urine and pale stools.

Lab Report 03:

TEST	NORMAL	PATIENT
Bili Total	1.2	12.0
Bili Direct	1.0	10.0
ALT	40	45

ALP	200	2500
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QUESTIONS:

FOR QUESTIONS 1 TO 7 REFER TO LAB REPORT 1

- Q:01 Which Organ Is Involved the given case, give reasons as well
- Q:02 State The Types Of Jaundice
- Q:03 What Is The Difference Between Conjugated And Unconjugated Bilirubin?
- Q:04 Where does conjugation of bilirubin takes place and which enzyme is involved in the reaction?
- Q:05 If we consider the lab report one as the report of the concerned patient what is the type of jaundice then?
- Q:06 Why is the reticulocyte count increased in this report?
- Q:07 Why are the enzymes normal in this patient?

FOR QUESTIONS 8 ,9 REFER TO LAB REPORT 2

- Q:08 What type of jaundice is predicted from lab report 3?
- Q:09 What are the causes of hepatocellular jaundice?

FOR QUESTIONS 10 TO 12 REFER TO LAB REPORT 3

- Q:10 What type of jaundice is present when report four is concerned?
- Q:11 What are the causes of obstructive/post-hepatic jaundice?
- Q:12 Describe the mechanism of bilirubin degradation along with the metabolites that give color to normal feces and urine?