

Medical Laboratory Report

Patient Name : Mrs Motilal Kanaujiya

Age and Gender : 50 Years / Female

Category : IPD - MH BMC

Referring Doctor : DR.VIDYA

Sample Processed at : MH DOMBIVALI SHAHSTRI NAGAR HOSPITAL

Patient UID No :BMCM240200927312

PRN No :8788713252

Registered On :13 Feb 2024

Sample UID No.



155985695

BIOCHEMISTRY

Test Done	Observed Value	Units	Biological Reference Interval
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Alanine Transaminase (SGPT/ALT) - Serum

33.00

U/L

0 to 55 U/L

Serum

Enzymatic [NADH [Without P-5-P]]

Test Description:

• Alanine Aminotransferase[ALT], also referred to as glutamate pyruvate transaminase[GPT], is an enzyme involved in amino acid metabolism. It is found in many tissues, but the highest levels found in liver and kidney tissues. Tissue destruction leads to the release of the intracellular enzyme into the circulating blood.

Test Interpretation:

• Markedly elevated serum ALT levels may be found in variety of diseases which involve the liver, such as hepatitis, mononucleosis and cirrhosis. These very high levels of ALT are not usually observed in other diseases processes, e.g. myocardial infarction; thus ALT is regarded as reasonably specific indicator of liver disease.

Test Limitation:

• Bilirubin, Hemoglobin(Hb), Intralipid are potentially interfering endogenous substances.
• For diagnostic purpose, the test finding should always be assessed in conjunction with the patient's medical history, clinical examinations and other findings.

Reflex Test:

- LFT
- Urine routine
- (HAV,HBV,HCV,HEV) Viral markers.

References: Alinity ci (Kit Insert).

Aspartate Transaminase (SGOT/AST) - Serum

44.00

U/L

0 - 46

Serum

Enzymatic [NADH [Without P-5-P]]

Test Description:

• Aspartate aminotransferase [AST], also referred as to glutamate oxaloacetate transaminase[GOT], is one of the group of enzymes which catalyzes the interconversion of amino acid and a-keto acid by transfer of amino groups. Both AST and ALT are normally found in most body fluids, but not in urine except in instance of kidney lesions.

Test Interpretation:

• The greatest concentrations of AST are found on heart, liver, muscle, and kidney tissues. Damage to these tissues can greatly elevate AST levels.
• Serum values may increase to 10-15 times normal levels and increase is roughly proportional to the degree of tissue damage.

Test Limitation:

• Bilirubin, Hemoglobin, Intralipid is potentially interfering endogenous substances.
• For diagnostic purpose, the test finding should always be assessed in conjunction with the patient's medical history, clinical examinations and other findings.

Reflex Test:

- LFT
- Urine routine
- (HAV,HBV,HCV,HEV) Viral markers

References: Alinity ci (Kit Insert).

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BIOCHEMISTRY

Test Done	Observed Value	Units	Biological Reference Interval
Direct Bilirubin - Serum	0.20	mg. / dL.	0.0 - 0.4
Serum			
Diazo Reaction			

Test Description:

- RBCs at the end of their circulating life are broken down in the reticuloendothelial system, mainly the spleen. The resulting heme, once the iron is removed, is then converted to bilirubin. Other sources of bilirubin include the breakdown of myoglobin and cytochrome and the catabolism of immature RBCs in the bone marrow.
- Once formed bilirubin is transported to the liver bound to albumin. This fraction of bilirubin is referred to as indirect or unconjugated bilirubin. In the liver, bilirubin is conjugated by the enzyme uridyl diphosphate glucuronyl transferase.

Test Interpretation:

- Direct bilirubin is elevated in conditions causing hepatic obstruction, hepatitis; cirrhosis several inherited enzyme deficiencies and inherited defects in canalicular excretion.

Test Limitation:

- For patients undergoing evaluations involving the administration of indocyanine green (ICG) it is recommended that samples are drawn after ICG has been eliminated.
- Hemoglobin(Hb), Intralipid human triglyceride, indocyanine green are potentially interfering endogenous substances.
- For diagnostic purpose, the test finding should always be assessed in conjunction with the patient's medical history, clinical examinations and other findings.

Reflex Test:

- LFT
- Urine routine
- (HAV, HBV, HCV, HEV) Viral markers.

References: Alinity ci (Kit Insert).




DR. RUPALI VASANT GADKARI
(DCP DNB PATH)

~~~ END OF REPORT ~~~

Sample Collected On : 13.02.2024 18:33  
Results Authenticated : 13.02.2024 18:37

Sample Accepted On : 13.02.2024 18:33  
Results Reported : 13.02.2024 18:41

E16999  
Printed On : 13.02.2024 18:42