

Medical Laboratory Report

Patient Name : Mr Nishant Bodke

Age and Gender : 62 Years / Male

Category : IPD - MH BMC

Referring Doctor : DR.VIDYA

Sample Processed at : MH DOMBIVALI SHAHSTRI NAGAR HOSPITAL

Patient UID No :BMCM240100838351

PRN No :8788713252

Registered On :12 Jan 2024

Sample UID No. 
954687641

BIOCHEMISTRY

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

64.00

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

20.00

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
Creatinine - Serum	1.30	mg. / dl.	0.72 to 1.25 mg/dl

Serum

Alkaline Picrate

Test Description:

- Creatinine is eliminated from blood by glomerular filtration.
- Reduced renal function results in an increased serum creatinine concentration.

Test Interpretation:

- Measurement of serum creatinine is used to diagnose and monitor acute and chronic renal disease, Estimate glomerular filtration rate (GFR), or assess the status of renal dialysis patients.

Test Limitation:

- Potentially Interfering Endogenous Substances Are Bilirubin, Hemoglobin, intralipid, Ascorbate, glucose and proteins.
- For diagnostic purpose, the test finding should always be assessed in conjunction with the Patient's medical history, clinical examination and other findings.

Reflex Tests:

- Urea
- GFR
- Urine Microalbumin
- Urine routine

References: Alinity ci (Kit Insert).




DR. ABHISHEK GAWANDE
(MD PATHOLOGIST)

~~~ END OF REPORT ~~~

Sample Collected On : 12.01.2024 15:40  
Results Authenticated : 12.01.2024 15:42

Sample Accepted On : 12.01.2024 15:40  
Results Reported : 12.01.2024 15:45

E16999  
Printed On : 14.01.2024 12:36