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NAME	: Mr. AARTI GARG	PATIENT ID	: 1802888
AGE/ GENDER	: 42 YRS/MALE	REG. NO./LAB NO.	: 012503230008
COLLECTED BY	:	REGISTRATION DATE	: 23/Mar/2025 07:51 AM
REFERRED BY	:	COLLECTION DATE	: 23/Mar/2025 07:53AM
BARCODE NO.	: 01527577	REPORTING DATE	: 23/Mar/2025 09:30AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
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IMMUNOPATHOLOGY/SEROLOGY

TROPONIN I ULTRASENSITIVE (QUANTITATIVE)

TROPONIN I ULTRASENSITIVE (QUANTITATIVE)	0.12	ng/mL	< 0.50
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by ELFA (ENZYME LINKED FLUORESCENT IMMUNOASSAY), NEXT GENERATION, ULTRASENSITIVE

INTERPRETATION:

NOTE:
1.False negative / positive results are observed in patients receiving mouse monoclonal antibodies for diagnosis or therapy.

COMMENTS

- 1.Troponin is a regulatory complex of 3 proteins that resides at regular intervals in the thin filament of striated muscle.
- 2.Cardiac Troponin is a cardiospecific, highly sensitive marker of myocardial damage and has never shown to be expressed in normal, regenerating or diseased skeletal muscle.
- 3.In cases of acute myocardial damage, Troponin I levels rise in serum about 3-4 hours after appearance of cardiac symptoms and remain elevated upto 10 days.
- 4.It is an independent prognostic marker which can predict near, mid and long term outcome in patients with Acute Coronary Syndrome (ACS).

INCREASED LEVELS


- 1.Congestive Heart Failure
- 2.Cardiomyopathy
- 3.Myocarditis
- 4.Heart contusion
- 5.Interventional therapy like cardiac surgery and drug induced cardiotoxicity


USES

- 1.To differentiate patients with Non ST elevation Myocardial Infarction (NSTMI) from Unstable angina-patients with ACS with elevated Troponin I and / or CK-MB are considered to have NSTMI whereas the diagnosis of Unstable angina is established if Troponin I and CK-MB are within the normal range.
- 2.Ideally Troponin I should be measured at presentation (0 hour) and repeated after 6-9 hours & 12-24 hours if earlier specimens are normal and the clinical suspicion is high.
3. Risk stratification of patients presenting with ACS and for cardiac risk in patients with Chronic Renal Failure. As it offers powerful risk assessment, in ACS, Troponin I monitoring should be included in practice guidelines.
4. For selection of more intensive therapy and intervention in patients with elevated Troponin I.

*** End Of Report ***




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