

Taxis 38/47/39 • Minnesota Code Diagnosis 8-9-1 (V3) 821 Sinus	67 bpm int 93 /129ms int 364/383 ms	1D : 2309230011 Name : tarun m Sex : Male Age : 35 Divisions: Hospital: seven hills
Diagnosi 821 Sinu		
	RV5/SV1 a RV5+SV1 a RV6/SV2 a	DataTime: Height Weight BP Bed No. : hospital
Info Arrhythmia	amp 1. 037/0. 635mV amp 1. 672mV amp 0. 980/0. 587mV	2023-09-23 10:56 cm kg mmHg

Diagnosis for reference, ask your doctor to confirm:

				NUMBA	L, ANDRERI EAST AI, MAHARASHTRA	EAST					
TARUN MEHROTRA	DTRA				TREADMILL TEST	TEST REPORT	RT				
E : /SEX : WT : .BY :	23-09-2023 35 /M 169 / 81 SELF				PROTOCOL HISTORY INDICATION MEDICATION	: Bruce : NIL : NIL : NIL	0				
PHASE	TOTAL	STAGE TIME	SPEED Km/HI	GRADE	H.R. bpm	B.P. mmHg	RPP X100	L.			METS
SUPINE								11	IV	V5	
STANDING					80	>>		0.6	1.0	0.9	
Stage 1	1112	0::30	r 0	0.7	88	. \		0.7	1-0-	0°0	
Stage 2	5:55	2:55	4	12	130	~~		1.1	-0.5	6.0	4.67
PK-EXERCISE		:55	4.0	14	157	~		101	u) (9.0	7.04
RECOVERY		5:14	5.0	14	157	137 /	90 215 90 152	-0.2	2.0 ¢	1.0	10.00
RESULTS									4	r.,	
EXERCISE DURATION MAX HEART RATE MAX BLOOD PRESSURE	LION E SSURE	** ** **		<pre>% of target Hg</pre>	c heart	MAX WORK LOAD rate 185 bpm	K LOAD	: 10.00 METS	METS		
REASON OF TERMINATION BP RESPONSE ARRYTHMIA	MINATION		HIEWED.	n							
H.R. RESPONSE											
CNOT COMPANY		••									
NORMAL CHRONOTROPIC	OTROPIC	AND.									
IONOTROPIC RESPONSES. NO ANGINA / ARRHYTHMTA	SPONSES.										
NO ST - T CHANGES.	NGES.										
	STREPHENE D	VE PUR	INDUT NUMBER OF	A TO OTH A DEATH A	COLUMN TAXABLE INCOLUMN TAXABLE INCOLUMN			And in the local distance of the local dista	A NUMBER OF TAXABLE PARTY OF TAXABLE PARTY.		

Technician : NEHA THITE

INV-EPs. Indore. Tel.: rel-121-4030015, Fast -021_100.8-Mail: ex9#lectromedicalpublichet. Mahl. Whit. Mak. Tel. 785. Vet. 14.0.

DR. GANESH MANUDHANE.

DIAGNOSTICS REPORT

Patient Name Aqe/Sex UHID Ref. Doctor	 Mr. TARUN MEHROTRA 35 Year(s)/Male SHHM.74832 Self 	Order Date Report Date IP No Facility	 23/09/2023 09:09 23/09/2023 11:03 SEVENHILLS HOSPITAL,
		Mobile	MUMBAI : 8947037961
Address	SAI KRUPA, TILAK NAGAR, CHE	EMBUR, Mumbai, Maharastra, 40	00089

2D ECHOCARDIOGRAPHY WITH COLOUR DOPPLER STUDY

Normal LV and RV systolic function.

Estimated LVEF = 60%

No LV regional wall motion abnormality at rest .

All valves are structurally and functionally normal.

Normal sized cardiac chambers.

No LV Diastolic dysfunction .

No pulmonary arterial hypertension.

No regurgitation across any other valves.

Normal forward flow velocities across all the cardiac valves.

Aorta and pulmonary artery dimensions: normal.

IAS / IVS: Intact.

No evidence of clot, vegetation, calcification, pericardial effusion. COLOUR DOPPLER: NO MR/AR.



Dr.Ganesh Vilas Manudhane M.ch,MCH/DM

RegNo: 2011/06/1763

1

.

Patient Name	: Mr. TARUN MEHROTRA	Age/Sex	: 35 Year(s) / Male
UHID	: SHHM.74832	Order Date	: 23/09/2023 09:09
Episode	: OP		
Ref. Doctor	: Self	Mobile No	: 8947037961
	:	DOB	: 01/06/1988
		Facility	: SEVENHILLS HOSPITAL, MUMBAI

			Blo	od Bank			
Test Name			Result	:			
Sample No :	O0290023A	Collection Date :	23/09/23 09:40	Ack Date :	23/09/2023 11:27	Report Date :	23/09/23 12:44

BLOOD GROUPING/ CROSS-MATCHING BY SEMI AUTOMATION					
BLOOD GROUP (ABO)	'B'				
Rh Type Method - Column Agglutination	POSITIVE				
 REMARK: THE REPORTED RESULTS PERTAIN TO THE SAMPLE RECEIVER Interpretation: Blood typing is used to determine an individual's blood group, to establis she is Rh positive or Rh negative. Blood typing has the following significa Ensure compatibility between the blood type of a person who requires type of the unit of blood that will be transfused. Determine compatibility between a pregnant woman and her developing because a mother and her fetus could be incompatible. Determine the blood group of potential blood donors at a collection face Determine the blood group of potential donors and recipients of organs 	h whether a person is blood group A, B, AB, or G ance, a transfusion of blood or blood components and g baby (fetus). Rh typing is especially important ility.	the ABO and Rh during pregnancy			

• Determine the blood group of potential donors and recipients of organs, tissues, or bone marrow, as part of a workup for a transplant procedure.

----- End of Report --

fm

Dr.Pooja Vinod Mishra MD Pathology Jr Consultant Pathologist, MMC Reg No. 2017052191

٢

Patient Name	: Mr. TARUN MEHROTRA	Age/Sex	: 35 Year(s) / Male
UHID	: SHHM.74832	Order Date	: 23/09/2023 09:09
Episode	: OP		
Ref. Doctor	: Self	Mobile No	: 8947037961
	:	DOB	: 01/06/1988
		Facility	: SEVENHILLS HOSPITAL, MUMBAI

			HAEM	ATOLOG	iΥ			
Test Name			Result			Unit	Ref.	Range
Sample No :	O0290023A	Collection Date :	23/09/23 09:40	Ack Date :	23/09/2023 09:57	Report	Date :	23/09/23 11:05

otal WBC Count	5.21	x10^3/ul	4.00 - 10.00
leutrophils	54.4	%	40.00 - 80.00
ymphocytes	36.5	%	20.00 - 40.00
Tosinophils	2.5	%	1.00 - 6.00
lonocytes	6.2	%	2.00 - 10.00
Basophils	0.4 ▼ (L)	%	1.00 - 2.00
bsolute Neutrophils Count	2.84	x10^3/ul	2.00 - 7.00
bsolute Lymphocytes Count	1.90	x10^3/ul	0.80 - 4.00
bsolute Eosinophils Count	0.13	x10^3/ul	0.02 - 0.50
bsolute Monocytes Count	0.32	x10^3/ul	0.12 - 1.20
bsolute Basophils Count	0.02	x10^3/ul	0.00 - 0.10
RBCs	5.07	x10^6/ul	4.50 - 5.50
lemoglobin	14.7	gm/dl	13.00 - 17.00



Patient Name: Mr. TARUN MEHROTRAUHID: SHHM.74832Episode: OP		Age/Sex Order Date	: 35 Year(s) / M : 23/09/2023 09	
Ref. Doctor : Self :		Mobile No DOB Facility	: 8947037961 : 01/06/1988 : SEVENHILLS F	HOSPITAL, MUMBAI
Hematocrit	44.1		%	40.00 - 50.00
MCV	87.1		fl	83.00 - 101.00
MCH	29.0		pg	27.00 - 32.00
MCHC	33.3		gm/dl	31.50 - 34.50
RED CELL DISTRIBUTION WIDTH-CV (RDW-CV)	12.8		%	11.00 - 16.00
RED CELL DISTRIBUTION WIDTH-SD (RDW-SD)	43.3		fl	35.00 - 56.00
Platelet	235		x10^3/ul	150.00 - 410.00
MPV	12.0		fl	6.78 - 13.46
PLATELET DISTRIBUTION WIDTH (PDW)	16.5		%	9.00 - 17.00
PLATELETCRIT (PCT)	0.282		%	0.11 - 0.28

Method:-HB Colorimetric Method. RBC/PLT Electrical Impedance Method. WBC data Flow Cytometry by Laser Method. MCV,MCH,MCHC,RDW and rest parameters - Calculated. All Abnormal Haemograms are reviewed confirmed microscopically.

NOTE: Wallach's Interpretation of Diagnostic Tests. 11th Ed, Editors: Rao LV. 2021

NOTE :-

The International Council for Standardization in Haematology (ICSH) recommends reporting of absolute counts of various WBC subsets for clinical decision making. This test has been performed on a fully automated 5 part differential cell counter which counts over 10,000 WBCs to derive differential counts. A complete blood count is a blood panel that gives information about the cells in a patient's blood, such as the cell count for each cell type and the concentrations of Hemoglobin and platelets. The cells that circulate in the bloodstream are generally divided into three types: white blood cells (leukocytes), red blood cells (erythrocytes), and platelets (thrombocytes). Abnormally high or low counts may be physiological or may indicate disease conditions, and hence need to be interpreted clinically.



Patient Name	: Mr. TARUN MEHROTRA		Age/Sex	: 35 Year(s) / Male
UHID	: SHHM.74832		Order Date	: 23/09/2023 09:09
Episode	: OP			
Ref. Doctor	: Self		Mobile No	: 8947037961
	:		DOB	: 01/06/1988
			Facility	: SEVENHILLS HOSPITAL, MUMBAI
		End of Report		
				200
				L 6 Lou

BY

Dr.Ritesh Kharche MD, PGD Consultant Pathologist and Director of Laboratory Services RegNo: 2006/03/1680



Patient Name	: Mr. TARUN MEHROTRA	Age/Sex	: 35 Year(s) / Male
UHID	: SHHM.74832	Order Date	: 23/09/2023 09:09
Episode	: OP		
Ref. Doctor	: Self	Mobile No	: 8947037961
	:	DOB	: 01/06/1988
		Facility	: SEVENHILLS HOSPITAL, MUMBAI

HAEMATOLOGY								
Test Name			Result			Unit	Ref.	Range
Sample No :	O0290023A	Collection Date :	23/09/23 09:40	Ack Date :	23/09/2023 09:57	Repo	ort Date :	23/09/23 13:07

ERYTHROCYTE SEDIMENTATION RATE (ESR)						
ESR	10	mm/hr	0 - 20			
Method: Westergren Method						
INTERPRETATION :- ESR is a non-specific phenomenon, its measurement is clinically useful in disorders associated with an increased production of acute-phase proteins. It provides an index of progress of the disease in rheumatoid arthritis or tuberculosis, and it is of considerable value in diagnosis of temporal arteritis and polymyalgia rheumatica. It is often used if multiple myeloma is suspected, but when the myeloma is non-secretory or light chain, a normal ESR does not exclude this diagnosis.						
An elevated ESR may occur as an early feature in myocardial infarction. Although a normal ESR cannot be taken to exclude the presence of organic disease, the vast majority of acute or chronic infections and most neoplastic and degenerative diseases are associated with changes in the plasma proteins that increased ESR values.						
The ESR is influenced by age, stage of the menstrual cycle and medications taken (corticosteroids, contraceptive pills). It is especially low (0–1 mm) in polycythaemia, hypofibrinogenaemia and congestive cardiac failure and when there are abnormalities of the red cells such as poikilocytosis, spherocytosis, or sickle cells. In cases of performance enhancing drug intake by athletes the ESR values are generally lower than the usual value for the individual and as a result of the increase in haemoglobin (i.e. the effect of secondary polycythaemia).						

End of Report

Dr.Ritesh Kharche MD, PGD Consultant Pathologist and Director of Laboratory Services RegNo: 2006/03/1680

Patient Name	: Mr. TARUN MEHROTRA	Age/Sex	: 35 Year(s) / Male
UHID	: SHHM.74832	Order Date	: 23/09/2023 09:09
Episode	: OP		
Ref. Doctor	: Self	Mobile No	: 8947037961
	:	DOB	: 01/06/1988
		Facility	: SEVENHILLS HOSPITAL, MUMBAI

			Bioc	hemistry	1				
Test Name			Result			Unit	Ref.	Range	
Sample No :	O0290023A	Collection Date :	23/09/23 09:40	Ack Date :	23/09/2023 09:57	Repo	ort Date :	23/09/23 11:33	

GLYCOSLYATED HAEMOGLOBIN (HBA1C)			
HbA1c Method - BIOCHEMISTRY	6.0	%	4 to 6% Non-diabetic 6.07.0% Excellent control 7.08.0% Fair to good control 8.010% Unsatisfactory control ABOVE 10% Poor control
Estimated Average Glucose (eAG) Method - Calculated	125.50	mg/dl	90 - 126



: Mr. TARUN MEHROTRA	Age/Sex	: 35 Year(s) / Male
: SHHM.74832	Order Date	: 23/09/2023 09:09
: OP		
: Self	Mobile No	: 8947037961
:	DOB	: 01/06/1988
	Facility	: SEVENHILLS HOSPITAL, MUMBAI
	: SHHM.74832 : OP : Self	: SHHM.74832 Order Date : OP : Self Mobile No : DOB

NOTES :-

1. HbA1c is used for monitoring diabetic control. It reflects the mean plasma glucose over three months

2. HbA1c may be falsely low in diabetics with hemolytic disease. In these individuals a plasma fructosamine level may be used which evaluates diabetes over 15 days.

3. Inappropriately low HbA1c values may be reported due to hemolysis, recent blood transfusion, acute blood loss, hypertriglyceridemia, chronic liver disease. Drugs like dapsone, ribavirin, antiretroviral drugs, trimethoprim, may also cause interference with estimation of HbA1c,

causing falsely low values.

4. HbA1c may be increased in patients with polycythemia or post-splenectomy.

5. Inappropriately higher values of HbA1c may be caused due to iron deficiency, vitamin B12 deficiency, alcohol intake, uremia,

hyperbilirubinemia and large doses of aspirin.

6. Trends in HbA1c are a better indicator of diabetic control than a solitary test.

7. Any sample with >15% HbA1c should be suspected of having a hemoglobin variant, especially in a non-diabetic patient. Similarly, below

4% should prompt additional studies to determine the possible presence of variant hemoglobin.

8. HbA1c target in pregnancy is to attain level <6 % .

9. HbA1c target in paediatric age group is to attain level < 7.5 %.

Method : turbidimetric inhibition immunoassay (TINIA) for hemolyzed whole blood

Reference : American Diabetes Associations. Standards of Medical Care in Diabetes 2015

GLUCOSE-PLASMA-FASTING								
Glucose,Fasting	94.26	mg/dl	70 - 110					
American Diabetes Association Reference Range :								
Normal : < 100 mg/dl								
Impaired fasting glucose(Prediabetes) : 100 - 126 mg/dl								
Diabetes : >= 126 mg/dl								
References:								
1)Pack Insert of Bio system								
2) Tietz Textbook Of Clinical Chemistry And Molecular Dia	gnostics, 6th Ed, Editors: Rifai et al. 2018							
Interpretation :-								
Conditions that can result in an elevated blood glucose le	vel include: Acromegaly, Acute stress (respo	onse to trauma, heart attack,and						
stroke for instance), Chronic kidney disease, Cushing synd								
A low level of glucose may indicate hypoglycemia, a cond		, .						
nervous system symptoms (sweating, palpitations, hunge	, , , ,							
hallucinations, blurred vision, and sometimes even coma		· ·						
	, , , , ,							
Severe heart failure, Chronic kidney (renal) failure, Insulii		seen with:Adrenal insufficiency, Drinking excessive alcohol, Severe liver disease, Hypopituitarism, Hypothyroidism, Severe infections,						



Patient Name: Mr. TARUN MEHROTRAUHID: SHHM.74832Episode: OPRef. Doctor: Self:		Age/Sex Order Date Mobile No DOB Facility	: 35 Year(s) / Ma : 23/09/2023 09 : 8947037961 : 01/06/1988 : SEVENHILLS H	
Lipid Profile				
Total Cholesterol	185.19		mg/dl	Reference Values : Up to 200 mg/dL - Desirable 200-239 mg/dL - Borderline HIgh >240 mg/dL - High
Triglycerides Method - Enzymatic	143.42		mg/dl	Reference Values: Up to 150 mg/dL - Normal 150-199 mg/dL - Borderline High 200-499 mg/dL - High >500 mg/dL - Very High
HDL Cholesterol Method - Enzymatic immuno inhibition	41.57		mg/dl	0 - 60
LDL Cholesterol Method - Calculated	114.94		mg/dl	0 - 130
VLDL Cholesterol Method - Calculated	28.68		mg/dl	0 - 40
Total Cholesterol / HDL Cholesterol Ratio - Calculated Method - Calculated	4.45		RATIO	0 - 5



Patient Name UHID Episode Ref. Doctor	: Mr. TARUN MEHROTRA : SHHM.74832 : OP : Self :		Age/Sex Order Date Mobile No DOB Facility	: 35 Year(s) / Male : 23/09/2023 09:09 : 8947037961 : 01/06/1988 : SEVENHILLS HOSPITAL, MUMBAI		
LDL / HDL Cho	esterol Ratio - Calculated	2.76		RATIO	0 - 4.3	
 2) Tietz Textbook Interpretation 1. Triglycerides: W. Triglycerides: Change eating. Even fastir, not considered to 2. HDL-Cholesteroo tissues and carries increased risk of h cholesterol value g risk factor. 3. LDL-Cholesteroo acceptable. Values 	 <i>References:</i> <i>Pack Insert of Bio system</i> <i>Tietz Textbook Of Clinical Chemistry And Molecular Diagnostics, 6th Ed, Editors: Rifai et al. 2018</i> <i>Interpretation</i> <i>Triglycerides: When triglycerides are very high greater than 1000 mg/dL, there is a risk of developing pancreatitis in children and adults.</i> <i>Triglycerides: When triglycerides are very high greater than 1000 mg/dL, there is a risk of developing pancreatitis in children and adults.</i> <i>Triglycerides: Change dramatically in response to meals, increasing as much as 5 to 10 times higher than fasting levels just a few hours after eating. Even fasting levels vary considerably day to day.</i> <i>Therefore, modest changes in fasting triglycerides measured on different days are not considered to be abnormal.</i> <i>HDL-Cholesterol: HDL- C is considered to be beneficial, the so-called "good" cholesterol, because it removes excess cholesterol from tissues and carries it to the liver for disposal. If HDL-C is less than 40 mg/dL for men and less than 50 mg/dL for women, there is an increased risk of heart disease that is independent of other risk factors, including the LDL-C level. The NCEP guidelines suggest that an HDL cholesterol value greater than 60 mg/dL is protective and should be treated as a negative risk factor.</i> <i>LDL-Cholesterol: Desired goals for LDL-C levels change based on individual risk factors. For young adults, less than 120 mg/dL is acceptable. Values between 120-159 mg/dL are considered Borderline high. Values greater than 160 mg/dL are considered Borderline high. Values greater than 160 mg/dL are considered high. Low levels of LDL cholesterol may be seen in people with an inherited lipoprotein deficiency and in people with hyperthyroidism, infection, inflammation,</i> 					
Uric Acid (Se Uric Acid Method - Uricase	<u>rum)</u>	5.12		mg/dl	3.5 - 7.2	
References: 1)Pack Insert of Bio system 2) TIETZ Textbook of Clinical chemistry and Molecular DiagnosticsEdited by: Carl A.burtis,Edward R. Ashwood,David e. Bruns Interpretation:- Uric acid is produced by the breakdown of purines. Purines are nitrogen-containing compounds found in the cells of the body, including our DNA. Increased concentrations of uric acid can cause crystals to form in the joints, which can lead to the joint inflammation and pain characteristic of gout. Low values can be associated with some kinds of liver or kidney diseases, Fanconi syndrome, exposure to toxic compounds, and rarely as the result of an inherited metabolic defect (Wilson disease). Liver Function Test (LFT) SGOT (Aspartate Transaminase) - SERUM						



1

Patient Name: Mr. TARUN MEHROTRAUHID: SHHM.74832Episode: OPRef. Doctor: Self:	C N I	lge/Sex Order Date Mobile No DOB Facility	: 35 Year(s) / Mal : 23/09/2023 09:0 : 8947037961 : 01/06/1988 : SEVENHILLS HC	09
Method - IFCC				
SGPT (Alanine Transaminase) - SERUM Method - IFCC	116.44 ▲ (H)		IU/L	0 - 45
Total Bilirubin - SERUM Method - Diazo	1.2		mg/dl	0 - 2
Direct Bilirubin SERUM Method - Diazotization	0.53 ▲ (H)		mg/dl	0 - 0.4
Indirect Bilirubin - Calculated Method - Calculated	0.67		mg/dl	0.1 - 0.8
Alkaline Phosphatase - SERUM Method - IFCC AMP Buffer	107.08		IU/L	0 - 115
Total Protein - SERUM Method - Biuret	6.91		gm/dl	6 - 7.8
Albumin - SERUM Method - Bromo Cresol Green(BCG)	4.72		gm/dl	3.5 - 5.2
Globulin - Calculated Method - Calculated	2.19		gm/dl	2 - 4
A:G Ratio Method - Calculated	2.16		:1	1 - 3
Gamma Glutamyl Transferase (GGT) - Gglutamyl carboxy nitroanilide - SERUM Method - G glutamyl carboxy nitroanilide	44.72		IU/L	0 - 55



Patient Name	: Mr. TARUN MEHROTRA	Age/Sex	: 35 Year(s) / Male
UHID	: SHHM.74832	Order Date	: 23/09/2023 09:09
Episode	: OP		
Ref. Doctor	: Self	Mobile No	: 8947037961
	:	DOB	: 01/06/1988
		Facility	: SEVENHILLS HOSPITAL, MUMBAI

References:

1)Pack Insert of Bio system

2) Tietz Textbook Of Clinical Chemistry And Molecular Diagnostics, 6th Ed, Editors: Rifai et al. 2018

Interperatation :-

Bilirubin is a yellowish pigment found in bile and is a breakdown product of normal heme catabolism. Elevated levels results from increased bilirubin production (eg hemolysis and ineffective erythropoiesis); decreased bilirubin excretion (eg; obstruction and hepatitis); and abnormal bilirubin metabolism (eg; hereditary and neonatal jaundice).conjugated (direct) bilirubin is also elevated more than unconjugated (indirect) bilirubin when there is some kind of blockage of the bile ducts like in Gallstonesgetting into the bile ducts tumors & Scarring of the bile ducts. Increased unconjugated (indirect) bilirubin may be a result of hemolytic or pernicious anemia, transfusion reaction & a common metabolic condition termed Gilbert syndrome.

AST levels increase in viral hepatitis, blockage of the bile duct ,cirrhosis of the liver, liver cancer, kidney failure, hemolytic anemia, pancreatitis, hemochromatosis.Ast levels may also increase after a heart attck or strenuous activity. ALT is commonly measured as a part of a diagnostic evaluation of hepatocellular injury, to determine liver health. Elevated ALP levels are seen in Biliary Obstruction, Osteoblastic Bone Tumors, Osteomalacia, Hepatitis, Hyperparathyriodism, Leukemia,Lymphoma, paget's disease, Rickets, Sarcoidosis etc. Elevated serum GGT activity can be found in diseases of the liver, Biliary system and pancreas. Conditions that increase serum GGT are obstructive liver disease, high alcohol consumption and use of enzyme-including drugs etc.

Serum total protein, also known as total protein, is a biochemical test for measuring the total amount of protein in serum..Protein in the plasma is made up of albumin and globulin. Higher-than-normal levels may be due to: Chronic inflammation or infection, including HIV and hepatitis B or C, Multiple myeloma, Waldenstrom's disease. Lower-than-normal levels may be due to: Agammaglobulinemia, Bleeding (hemorrhage), Burns, Glomerulonephritis, Liver disease, Malabsorption, Malnutrition, Nephrotic - Human serum albumin is the most abundant protein in human blood plasma. It is produced in the liver.Albumin constitutes about half of the blood serum protein. Low blood albumin levels (hypoalbuminemia) can be caused by: Liver disease like cirrhosis of the liver, nephrotic syndrome, protein-losing enteropathy, Burns, hemodilution, increased vascular permeability or decreased lymphatic clearance, malnutrition and wasting etc.

Renal Function Test (RFT)			
Urea - SERUM Method - Urease	16.65	mg/dl	15 - 39
BUN - SERUM Method - Urease-GLDH	7.78	mg/dl	4 - 18
Creatinine - SERUM Method - Jaffes Kinetic	0.92	mg/dl	0.5 - 1.3



Patient Name	: Mr. TARUN MEHROTRA	Age/Sex	: 35 Year(s) / Male
UHID	: SHHM.74832	Order Date	: 23/09/2023 09:09
Episode	: OP		
Ref. Doctor	: Self	Mobile No	: 8947037961
	:	DOB	: 01/06/1988
		Facility	: SEVENHILLS HOSPITAL, MUMBAI

References:

1)Pack Insert of Bio system

2) Tietz Textbook Of Clinical Chemistry And Molecular Diagnostics, 6th Ed, Editors: Rifai et al. 2018

Interpretation:-

The blood urea nitrogen or BUN test is primarily used, along with the creatinine test, to evaluate kidney function in a wide range of circumstances, to help diagnose kidney disease, and to monitor people with acute or chronic kidney dysfunction or failure. It also may be used to evaluate a person's general health status.

GLUCOSE-PLASMA POST PRANDIAL					
Glucose,Post Prandial	125.55	mg/dl	70.00 - 140.00		
American Diabetes Association Reference Range :					
Post-Prandial Blood Glucose: Non- Diabetic: Up to 140mg/dL Pre-Diabetic: 140-199 mg/dL Diabetic :>200 mg/dL					
References: 1)Pack Insert of Bio system 2) Tietz Textbook Of Clinical Chemistry And Molecular Diagnostics, 6th Ed, Editors: Rifai et al. 2018					
Interpretation :- Conditions that can result in an elevated blood glucose level include: Acromegaly, Acute stress (response to trauma, heart attack, and stroke for instance), Chronic kidney disease, Cushing syndrome, Excessive consumption of food, Hyperthyroidism, Pancreatitis. A low level of glucose may indicate hypoglycemia, a condition characterized by a drop in blood glucose to a level where first it causes nervous system symptoms (sweating, palpitations, hunger, trembling, and anxiety), then begins to affect the brain (causing confusion, hallucinations, blurred vision, and sometimes even coma and death). A low blood glucose level (hypoglycemia) may be seen with:Adrenal insufficiency, Drinking excessive alcohol, Severe liver disease, Hypopituitarism, Hypothyroidism, Severe infections, Severe heart failure, Chronic kidney (renal) failure, Insulin overdose, Tumors that produce insulin (insulinomas),Starvation.					

End of Report



Dr.Ritesh Kharche MD, PGD Consultant Pathologist and Director of Laboratory Services



Patient Name	: Mr. TARUN MEHROTRA	Age/Sex	: 35 Year(s) / Male
UHID	: SHHM.74832	Order Date	: 23/09/2023 09:09
Episode	: OP		
Ref. Doctor	: Self	Mobile No	: 8947037961
	:	DOB	: 01/06/1988
		Facility	: SEVENHILLS HOSPITAL, MUMBAI

.

RegNo: 2006/03/1680



Patient Name	: Mr. TARUN MEHROTRA	Age/Sex	: 35 Year(s) / Male
UHID	: SHHM.74832	Order Date	: 23/09/2023 09:09
Episode	: OP		
Ref. Doctor	: Self	Mobile No	: 8947037961
	:	DOB	: 01/06/1988
		Facility	: SEVENHILLS HOSPITAL, MUMBAI

Stool Examination							
Test Name Result							
Sample No :	O0290023D	Collection Date :	23/09/23 09:40	Ack Date :	23/09/2023 09:55	Report Date :	23/09/23 14:38

Gross and Chemical Examination	
Consistency	Semi-Solid
COLOUR STOOL	Brown
Visible Blood	Absent
Mucus	Absent
Occult Blood	NEGATIVE
Microscopic Examination	
Pus cells	occasional
Epithelial Cells	OCCASIONAL
RBC	ABSENT
Parasites	Not Seen

– End of Report –

æ

Dr.Ritesh Kharche MD, PGD



Patient Name	: Mr. TARUN MEHROTRA	Age/Sex	: 35 Year(s) / Male
UHID	: SHHM.74832	Order Date	: 23/09/2023 09:09
pisode	: OP		
Ref. Doctor	: Self	Mobile No	: 8947037961
	:	DOB	: 01/06/1988
		Facility	: SEVENHILLS HOSPITAL, MUMBAI

.

Laboratory Services RegNo: 2006/03/1680



Patient Name	: Mr. TARUN MEHROTRA	Age/Sex	: 35 Year(s) / Male
UHID	: SHHM.74832	Order Date	: 23/09/2023 09:09
Episode	: OP		
Ref. Doctor	: Self	Mobile No	: 8947037961
	:	DOB	: 01/06/1988
		Facility	: SEVENHILLS HOSPITAL, MUMBAI

IMMUNOLOGY								
Test Name			Result			Unit	Ref. Range	
Sample No :	O0290023C	Collection Date :	23/09/23 09:40	Ack Date :	23/09/2023 10:15	Report	Date : 23/09/23 11:47	

T3 - SERUM Method - CLIA	110.8	ng/dl	70.00 - 204.00
TFT- Thyroid Function Tests			
T4 - SERUM Method - CLIA	8.43	ug/dL	4.60 - 10.50
TSH - SERUM Method - CLIA	3.33	uIU/ml	0.40 - 4.50



Patient Name	: Mr. TARUN MEHROTRA	Age/Sex	: 35 Year(s) / Male
UHID	: SHHM.74832	Order Date	: 23/09/2023 09:09
Episode	: OP		
Ref. Doctor	: Self	Mobile No	: 8947037961
	:	DOB	: 01/06/1988
		Facility	: SEVENHILLS HOSPITAL, MUMBAI

Reference Ranges (T3) Pregnancy: First Trimester 81 - 190 Second Trimester & Third Trimester 100 - 260

Reference Ranges (TSH) Pregnancy: 1st Trimester : 0.1 – 2.5 2nd Trimester : 0.2 – 3.0 3rd Trimester : 0.3 – 3.0

Reference:

1. Clinical Chemistry and Molecular Diagnostics, Tietz Fundamentals, 7th Edition & Endocronology Guideliens

Interpretation :-

It is recommended that the following potential sources of variation should be considered while interpreting thyroid hormone results:

1. Thyroid hormones undergo rhythmic variation within the body this is called circadian variation in TSH secretion: Peak levels are seen between 2-4 am. Minimum levels seen between 6-10 am. This variation may be as much as 50% thus, influence of sampling time needs to be considered for clinical interpretation.

 Circulating forms of T3 and T4 are mostly reversibly bound with Thyroxine binding globulins (TBG), and to a lesser extent with albumin and Thyroid binding PreAlbumin. Thus the conditions in which TBG and protein levels alter such as chronic liver disorders, pregnancy, excess of estrogens, androgens, anabolic steroids and glucocorticoids may cause misleading total T3, total T4 and T5H interpretations.
 Total T3 and T4 levels are seen to have physiological rise during pregnancy and in patients on steroid treatment.

4. T4 may be normal the presence of hyperthyroidism under the following conditions : T3 thyrotoxicosis, Hypoproteinemia related reduced binding, during intake of certain drugs (eg Phenytoin, Salicylates etc)

5. Neonates and infants have higher levels of T4 due to increased concentration of TBG

6. TSH levels may be normal in central hypothyroidism, recent rapid correction of hypothyroidism or hyperthyroidism, pregnancy, phenytoin therapy etc.

7. TSH values of <0.03 uIU/mL must be clinically correlated to evaluate the presence of a rare TSH variant in certain individuals which is undetectable by conventional methods.

8. Presence of Autoimmune disorders may lead to spurious results of thyroid hormones

9. Various drugs can lead to interference in test results.

10. It is recommended that evaluation of unbound fractions, that is free T3 (fT3) and free T4 (fT4) for clinic-pathologic correlation, as these are the metabolically active forms.

End of Report



Dr.Ritesh Kharche MD, PGD Consultant Pathologist and Director of Laboratory Services RegNo: 2006/03/1680



Patient Name	: Mr. TARUN MEHROTRA	Age/Sex	: 35 Year(s) / Male
UHID	: SHHM.74832	Order Date	: 23/09/2023 09:09
Episode	: OP		
Ref. Doctor	: Self	Mobile No	: 8947037961
	:	DOB	: 01/06/1988
		Facility	: SEVENHILLS HOSPITAL, MUMBAI

.



1

Patient Name	: Mr. TARUN MEHROTRA	Age/Sex	: 35 Year(s) / Male
UHID	: SHHM.74832	Order Date	: 23/09/2023 09:09
Episode	: OP		
Ref. Doctor	: Self	Mobile No	: 8947037961
	:	DOB	: 01/06/1988
		Facility	: SEVENHILLS HOSPITAL, MUMBAI

Urinalysis								
Test Name Result				Unit	Ref.	. Range		
Sample No :	O0290023E	Collection Date :	23/09/23 09:40	Ack Date :	23/09/2023 09:54	Rep	ort Date :	23/09/23 13:27

URINE SUGAR AND KETONE (FASTING)	
Sugar	Absent
ketones	Absent
Sample No : 00290077E Collection Date : 23/09/23 12	2:28 Ack Date : 23/09/2023 12:42 Report Date : 23/09/23 13:27

URINE SUGAR AND KETONE (PP)		
Sugar	Absent	
ketones	Absent	

— End of Report –

æ

Dr.Ritesh Kharche MD, PGD Consultant Pathologist and Director of Laboratory Services RegNo: 2006/03/1680

DIAGNOSTICS REPORT

Patient Name Aqe/Sex UHID Ref. Doctor	: Mr. TARUN MEHROTRA : 35 Year(s)/Male : SHHM.74832 : Self	Order Date Report Date IP No Facility Mobile	 23/09/2023 09:09 23/09/2023 17:29 SEVENHILLS HOSPITAL, MUMBAI 8947037961 	
Address	SAI KRUPA, TILAK NAGAR, CHEMBUR,Mumbai, Maharastra, 400089			

USG ABDOMEN AND PELVIS

Liver is normal in size (15.4 cm) and shows bright echotexture. No focal liver parenchymal lesion is seen.

Intrahepatic portal and biliary radicles are normal.

Gall-bladder is not visualised (? collapsed)

Portal vein and CBD are normal in course and calibre.

Pancreas not visualised due to overlying bowel gases.

Spleen is normal in size (11.5 cm) and echotexture. No focal lesion is seen in the spleen.

Both the kidneys are normal in size, shape and echotexture. Cortico-medullary differentiation is maintained. No evidence of calculus or hydronephrosis on either side. Right kidney measures 10.1 x 5.3 cm. Left kidney measures 12.0 x 5.9 cm.

Urinary bladder is well distended and appears normal. No evidence of intra-luminal calculus or mass lesion.

Prostate appears normal in size and echotexture. It measures 3.3 x 3.2 x 3.0 cm corresponding to 17 cc.

There is no free fluid in abdomen and pelvis.

IMPRESSION

Grade I fatty liver.



Dr.Priya Vinod Phayde MBBS,DMRE

Patient Name	: Mr. TARUN MEHROTRA	Order Date	: 23/09/2023 09:09
Age/Sex	: 35 Year(s)/Male	Report Date	: 23/09/2023 14:12
UHID	: SHHM.74832	IP No	:
Ref. Doctor	: Self	Facility	: SEVENHILLS HOSPITAL,
		Mobile	MUMBAI : 8947037961
Address	SAI KRUPA, TILAK NAGAR, CHEMBUR, Mumbai, Maharastra, 400089		

DIAGNOSTICS REPORT

X-RAY CHEST PA VIEW

Both lungs are clear.

The frontal cardiac dimensions are normal.

The pleural spaces are clear.

Both hilar shadows are normal in position and density.

No diaphragmatic abnormality is seen.

The soft tissues and bony thorax are normal.

IMPRESSION: No pleuroparenchymal lesion is seen.



Dr.Priya Vinod Phayde MBBS,DMRE