# **DIAGNOSTICS REPORT**

Patient Name	: Mr. NARENDRA KUMAR	Order Date	: 18/03/2023 09:04
Age/Sex	: 43 Year(s)/Male	Report Date	: 18/03/2023 12:35
UHID	: SHHM.60883	IP No	:
Ref. Doctor	: Self	Facility	: SEVENHILLS HOSPITAL, MUMBAI

# 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.Jayashree Dash,

(Junior Consultant NIC) RegNo: 3393/09/2003

Patient Name	: Mr. NARENDRA KUMAR	Age/Sex	: 43 Year(s) / Male
UHID	: SHHM.60883	Order Date	: 18/03/2023 09:04
Episode	: OP		
Ref. Doctor	: Self	Mobile No	: 7004695272
		DOB	: 20/01/1980
		Facility	: SEVENHILLS HOSPITAL, MUMBAI

### **Blood Bank**

Test Name	Name Re							
Sample No :	O0263155A	Collection Date :	18/03/23 09:27	Ack Date :	18/03/2023 11:28	Report Date :	18/03/23 12:51	

### **BLOOD GROUPING/ CROSS-MATCHING BY SEMI AUTOMATION**

BLOOD GROUP (ABO)	'B'
Rh Type	POSITIVE

Method - Column Agglutination

REMARK: THE REPORTED RESULTS PERTAIN TO THE SAMPLE RECEIVED AT THE BLOOD CENTRE.

### Interpretation:

Blood typing is used to determine an individual's blood group, to establish whether a person is blood group A, B, AB, or O and whether he or she is Rh positive or Rh negative. Blood typing has the following significance,

• Ensure compatibility between the blood type of a person who requires a transfusion of blood or blood components and the ABO and Rh type of the unit of blood that will be transfused.

• Determine compatibility between a pregnant woman and her developing baby (fetus). Rh typing is especially important during pregnancy because a mother and her fetus could be incompatible.

• Determine the blood group of potential blood donors at a collection facility.

• 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

Dr.Ritesh Kharche MD, PGD HOD, Laboratory Medicine Dept.

RegNo: 2006/03/1680

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# HAEMATOLOGY

Test Name		Result			Unit	Ref. Range
Sample No: 00263155A (	Collection Date :	18/03/23 09:27	Ack Date :	18/03/2023 10:05	Report Date	e: 18/03/23 11:08
COMPLETE BLOOD COUNT (	CBC) - EDTA \	WHOLE BLOOD				
Total WBC Count		5.46			x10^3/ul	4.00 - 10.00
Neutrophils		52.7			%	40.00 - 80.00
Lymphocytes		37.1			%	20.00 - 40.00
Eosinophils		3.2			%	1.00 - 6.00
Monocytes		6.6			%	2.00 - 10.00
Basophils		0.4	,		%	1.00 - 2.00
Absolute Neutrophils Count		2.88			x10^3/ul	2.00 - 7.00
Absolute Lymphocytes Count		2.03			x10^3/ul	0.80 - 4.00
Absolute Eosinophils Count		0.17			x10^3/ul	0.02 - 0.50
Absolute Monocytes Count		0.36			x10^3/ul	0.12 - 1.20
Absolute Basophils Count		0.02			x10^3/ul	0.00 - 0.10
RBCs		5.00			x10^6/ul	4.50 - 5.50
Hemoglobin		13.5			gm/dl	13.00 - 17.00
Hematocrit		41.4			%	40.00 - 50.00
MCV		82.7	•		fl	83.00 - 101.00
МСН		27.0			pg	27.00 - 32.00
МСНС		32.6			gm/dl	31.50 - 34.50
RED CELL DISTRIBUTION WID	TH-CV (RDW-C	V) 13.0			%	11.00 - 16.00
RED CELL DISTRIBUTION WID	•	•			fl	35.00 - 56.00
Platelet	,	156			x10^3/ul	150.00 - 410.00
MPV		13.5	<b></b>		fl	6.78 - 13.46
PLATELET DISTRIBUTION WID	TH (PDW)	15.7			%	9.00 - 17.00
PLATELETCRIT (PCT)	· · /	0.210	)		%	0.11 - 0.28

Patient Name: Mr. NARENDRA KUMARUHID: SHHM.60883

: OP

: Self

Age/Sex: 43 Year(s) / MaleOrder Date: 18/03/2023 09:04Mobile No: 7004695272DOB: 20/01/1980Facility: SEVENHILLS HOSPITAL, MUMBAI

Method:-

Episode

**Ref. Doctor** 

HB Colorimetric Method. RBC/PLT Electrical Impedance Method. WBC Flow Cytometry by Laser Method. MCV, MCH, MCHC, RDW - Calculated. Differential Count - Manual.

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.

### **ERYTHROCYTE SEDIMENTATION RATE (ESR)**

ESR 20 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 HOD, Laboratory Medicine Dept. RegNo: 2006/03/1680

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			Biochemistry		
st Name			Result	Unit	Ref. Range
Sample No :	O0263155A	Collection Date :	18/03/23 09:27 Ack Date : 18/03	3/2023 10:05 Report D	Pate : 18/03/23 11:34
GLYCOSLY	ATED HAEMO	GLOBIN (HBA1C	<u>.)</u>		
HbA1c		Ţ	5.27	%	4 to 6% Non-diabetic 6.07
Method - BIOC	CHEMISTRY		104.55	mg/dl	90 - 126
Method - Calcu NOTES :-	llated				
1. HbA1c is use 2. HbA1c m evaluates diabe 3. Inapprop hypertriglyceri interference wi 4. HbA1c may 5. Inappropri- hyperbilirubine 6. Trends in Hb 7. Any sam below 4% shot 8. HbA1c targe	ay be falsely low etes over 15 days. briately low Hb idemia, chronic ith estimation of Hb, be increased in pati riately higher val emia and large doses bA1c are a better in ple with >15% uld prompt additiona et in pregnancy is to	w in diabetics with A1c values may liver disease.Drug A1c, causing falsely low ients with polycythemia lues of HbA1c ma s of aspirin. dicator of diabetic cont. HbA1c should be al studies to determine attain level <6 % .	v values. nor post-splenectomy. ay be caused due to iron deficienc rol than a solitary test. suspected of having a hemoglobin va the possible presence of variant hemoglobin.	s a plasma fructosamine lev recent blood transfusion, troviral drugs, trimethoprin y, vitamin B12 deficiency, rriant, especially in a non-di	n, acute blood loss, m, may also cause alcohol intake, uremia,
<ol> <li>HbA1c is use</li> <li>HbA1c is use</li> <li>HbA1c m.</li> <li>evaluates diabe</li> <li>Inapprophypertriglyceri</li> <li>interference wi</li> <li>HbA1c may</li> <li>Inapproprint</li> <li>hyperbilirubine</li> <li>Trends in Hb</li> <li>Any samphelow 4% shot</li> <li>HbA1c targe</li> <li>HbA1c targe</li> <li>HbA1c targe</li> <li>HbA1c targe</li> <li>Method : turbic</li> </ol>	ay be falsely low etes over 15 days. briately low Hb idemia, chronic ith estimation of Hb, be increased in pati riately higher val emia and large doses bA1c are a better im ple with >15% uld prompt addition et in pregnancy is to et in paediatric age g dimetric inhibition in	w in diabetics with pA1c values may liver disease.Drug A1c, causing falsely low ients with polycythemia lues of HbA1c ma s of aspirin. dicator of diabetic cont. HbA1c should be al studies to determine a attain level <6 % . group is to attain level mmunoassay (TINIA) fo	hemolytic disease. In these individual be reported due to hemolysis, gs like dapsone, ribavirin, antired values. nor post-splenectomy. ay be caused due to iron deficienc rol than a solitary test. suspected of having a hemoglobin va the possible presence of variant hemoglobin.	s a plasma fructosamine lev recent blood transfusion, troviral drugs, trimethoprin y, vitamin B12 deficiency, rriant, especially in a non-di	n, acute blood loss, m, may also cause alcohol intake, uremia,

# **GLUCOSE-PLASMA-FASTING**

Glucose,Fasting	Glucose, Fasting	g
-----------------	------------------	---

95.78

mg/dl 70 - 110

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 : Mr. NARENDRA KUMAR

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	/ -

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 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.

Li	pid	P	ro	fi	le

Lipid Home			
Total Cholesterol	221.39	mg/dl	Reference Values : Up to 200 m
Triglycerides	104.29	mg/dl	Reference Values: Up to 150 mg
Method - Enzymatic			op to 150 mg
HDL Cholesterol	58.72	mg/dl	0 - 60
Method - Enzymatic immuno inhibition			
LDL Cholesterol	141.81 🔺	mg/dl	0 - 130
Method - Calculated			
VLDL Cholesterol	20.86	mg/dl	0 - 40
Method - Calculated			
Total Cholesterol / HDL Cholesterol Ratio -	3.77	RATIO	0 - 5
Calculated			
Method - Calculated			
LDL / HDL Cholesterol Ratio - Calculated	2.42	RATIO	0 - 4.3
Method - Calculated			

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### References:

1)Pack Insert of Bio system

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

Interpretation

1. Triglycerides: When triglycerides are very high greater than 1000 mg/dL, there is a risk of developing pancreatitis in children and adults. 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. Therefore, modest changes in fasting triglycerides measured on different days are not considered to be abnormal.

2. 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.

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3. 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 high. Low levels of LDL cholesterol may be seen in people with an inherited lipoprotein deficiency and in people with hyperthyroidism, infection, inflammation, or cirrhosis.

<u>Uric Acid (Serum)</u>			
Uric Acid	6.7	mg/dl	3.5 - 7.2
Method - Uricase			
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)

<u></u>			
SGOT (Aspartate Transaminase) - SERUM	20.94	U/L	0 - 35
Method - IFCC			
SGPT (Alanine Transaminase) - SERUM	24.28	U/L	0 - 45
Method - IFCC			
Total Bilirubin - SERUM	0.7	mg/dl	0 - 2
Method - Diazo			
Direct Bilirubin SERUM	0.28	mg/dl	0 - 0.4
Method - Diazotization			
Indirect Bilirubin - Calculated	0.42	mg/dl	0.1 - 0.8
Method - Calculated			
Alkaline Phosphatase - SERUM	99.54	U/L	0 - 115
Method - IFCC AMP Buffer			
Total Protein - SERUM	7.54	gm/dl	6 - 7.8
Method - Biuret			
Albumin - SERUM	4.63	gm/dl	3.5 - 5.2
Method - Bromo Cresol Green(BCG)			

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			DOB	: 20/01/1980	)
			Facility	: SEVENHILLS	5 HOSPITAL, MUMBAI
Globulin - Ca	lculated	2.91		gm/dl	2 - 4
Method - Calcula	ated				
A:G Ratio		1.59		:1	1 - 3
Method - Calcula	ated				
Gamma Glutamyl Transferase (GGT) - Gglutamyl		19.27		U/L	0 - 55
carboxy nitro	oanilide - SERUM				
Method - G gluta	amyl carboxy nitroanilide				

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.

19.39	mg/dl	15 - 39
9.06	mg/dl	4 - 18
0.75	mg/dl	0.5 - 1.3
	9.06	9.06 mg/dl

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.

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### **GLUCOSE-PLASMA POST PRANDIAL**

Glucose, Post Prandial

118.24

70 - 140

mg/dl

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 HOD, Laboratory Medicine Dept.

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Patient Name : Mr. NARENDRA KUMAR UHID : SHHM.60883 : OP Episode Ref. Doctor : Self

### Age/Sex : 43 Year(s) / Male **Order Date** : 18/03/2023 09:04 Mobile No :7004695272 DOB : 20/01/1980 : SEVENHILLS HOSPITAL, MUMBAI Facility

## **Stool Examination**

est Name			Result				
Sample No :	O0263155D	Collection Date :	18/03/23 09:27	Ack Date :	18/03/2023 10:11	Report Date :	18/03/23 14:23
Gross and	Chemical Exa	mination					
Consistency	,		Sem	i-Solid			
COLOUR ST	OOL		Brov	vn			
Visible Blood	d	Absent					
Mucus		Present					
Occult Blood	d	NEGATIVE					
Microscopi	ic Examinatio	<u>n</u>					
Puscells			1-2				
RBC			Abse	ent			
Epithelial Ce	ells		Abse	ent			
Parasites		Not Seen					
Bacteria			Abse	ent			
				End of Rep	ort		



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### IMMUNOLOGY

Test Name			Result			Unit Re	ef. Range
Sample No :	O0263155C	Collection Date :	18/03/23 09:27	Ack Date :	18/03/2023 10:26	Report Date :	18/03/23 11:34
	AL-SERUM ate Specific Antige	en - SERUM	0.8			ng/ml	0.00 - 4.00
Conventional 60 - 69 yrs: 0	ference Interval :- for all ages: <=4 ) - 4.5 e in method and Refere	ence range					

### INTERPRETATION :

Prostate-specific antigen (PSA) is a glycoprotein that is produced by the prostate gland, the lining of the urethra, and the bulbourethral gland. PSA exists in serum mainly in two forms, complexed to alpha-1-anti-chymotrypsin (PSA-ACT complex) and unbound (free PSA). Increases in prostatic glandular size and tissue damage caused by benign prostatic hypertrophy, prostatitis, or prostate cancer may increase circulating PSA levels. Transient increase in PSA can also be seen following per rectal digital or sonological examinations.

NOTE:

Patients on Biotin supplement may have interference in some immunoassays. With individuals taking high dose Biotin (more than 5 mg per day) supplements, at least 8-hour wait time before blood draw is recommended. Ref: Arch Pathol Lab Med—Vol 141, November 2017

T3 - SERUM	82.81	ng/dl	70.00 - 204.00
Method - CLIA	7.10		4 60 10 50
T4 - SERUM Method - CLIA	7.19	ug/dL	4.60 - 10.50
TSH - SERUM	1.89	uIU/ml	0.40 - 4.50
Method - CLIA			

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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.

2. 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 TSH interpretations.

3. 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

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		Facility	: SEVENHILLS HOSPITAL, MUMBAI

	Urinalysis	
est Name	Result	Unit Ref. Range
Sample No : 00263155E Collec	tion Date : 18/03/23 09:27 Ack Date : 18/	/03/2023 10:11 Report Date : 18/03/23 14:44
Physical Examination		
QUANTITY	30	ml
Colour	Pale Yellow	
Appearance	Clear	
DEPOSIT	Absent	Absent
рН	Acidic	
Specific Gravity	1.010	
Chemical Examination		
Protein	Absent	Absent
Sugar	Absent	Absent
ketones	Absent	Absent
Occult Blood	NEGATIVE	Absent
Bile Salt	Absent	Absent
Bile Pigments	Absent	Absent
Urobilinogen	Normal	Absent
NITRATE	Absent	
LEUKOCYTES	Absent	
Microscopic Examination		
Puscells	1-2	/HPF
Epithelial Cells	1-2	/HPF
RBC	Absent	/HPF Absent
Cast	Absent	/LPF Absent
Crystal	Absent	/HPF Absent
Amorphous Materials	Absent	Absent
Yeast	Absent	Absent
Bacteria	Absent	Absent
URINE SUGAR AND KETONE (FA	STING)	
	Absent	
-	Absent	
Sugar ketones Sample No : 00263202E Collect	Absent	/03/2023 12:11 Report Date : 18/03/23 1

URINE SUGAR AND KETONE (PP)

Sugar

Absent

Patient Name: Mr. NARENDRA KUMARUHID: SHHM.60883Episode: OP

Ref. Doctor : Self

# Age/Sex: 43 Year(s) / MaleOrder Date: 18/03/2023 09:04Mobile No: 7004695272DOB: 20/01/1980Facility: SEVENHILLS HOSPITAL, MUMBAI

ketones

Absent

End of Report

Dr.Ritesh Kharche MD, PGD HOD, Laboratory Medicine Dept.

RegNo: 2006/03/1680

# **DIAGNOSTICS REPORT**

Patient Name	: Mr. NARENDRA KUMAR	Order Date	: 18/03/2023 09:04
Age/Sex	: 43 Year(s)/Male	Report Date	: 18/03/2023 11:16
UHID	: SHHM.60883	IP No	:
Ref. Doctor	: Self	Facility	: SEVENHILLS HOSPITAL, MUMBAI

### USG ABDOMEN

Liver is normal in size (13 cm) and echotexture. No focal liver parenchymal lesion is seen. Intrahepatic portal and biliary radicles are normal.

Gall-bladder is physiologically distended. No evidence of intraluminal calculus is seen. Wall thickness appears normal. No evidence of peri-cholecystic fluid is seen.

Portal vein and CBD are normal in course and calibre.

Visualised part of pancreas appears normal in size and echotexture. No evidence of duct dilatation or parenchymal calcification seen.

Spleen is normal in size (9.3 cm) and echotexture. No focal lesion is seen in the spleen.

Right kidney measures 10.6 x 4.3 cm. Left kidney measures 9.3 x 5.0 cm.

Both the kidneys are normal in size, shape and echotexture. Cortico-medullary differentiation is maintained. No evidence of calculus or hydronephrosis on either side.

There is no free fluid in abdomen and pelvis. **IMPRESSION:** 

### 'No significant abnormality is detected.

DA

Dr.Bhavesh Rajesh Dubey, MBBS, MD

RegNo: 2017/03/0656

# **DIAGNOSTICS REPORT**

Patient Name	: Mr. NARENDRA KUMAR	Order Date	: 18/03/2023 09:04
Age/Sex	: 43 Year(s)/Male	Report Date	: 18/03/2023 10:35
UHID	: SHHM.60883	IP No	:
Ref. Doctor	: Self	Facility	: SEVENHILLS HOSPITAL, MUMBAI

# 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.Bhavesh Rajesh Dubey, MBBS, MD

RegNo: 2017/03/0656