## SUBURBAN DIAGNOSTICS - MALAD WEST



Patient Name: VYAS ASHISH MANU Patient ID: 2234419729

Date and Time: 10th Dec 22 10:01 AM

years months days Gender Male Heart Rate 79bpm aVR V1 V4Patient Vitals BP: NA Weight: NA Height: NA Pulse: NA Spo2: NA V2 V5 Resp: NA Π aVL Others: Measurements V6 III aVF V3 QRSD: 72ms QT: 370ms QTc: 424ms PR: 144ms P-R-T: 46° 24° 27° Π tricog 25.0 mm/s 10.0 mm/mV

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ECG Within Normal Limits: Sinus Rhythm, Normal Axis.Please correlate clinically.

REPORTED BY



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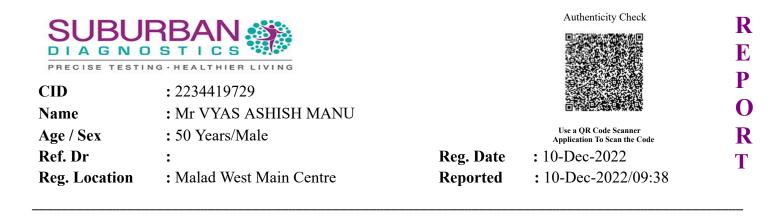
Age

2

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DR SONALI HONRAO MD (General Medicine) Physician 2001/04/1882

Disclaimer: 1) Analysis in this report is based on ECG alone and should be used as an adjunct to clinical history, symptoms, and results of other invasive and non-invasive tests and must be interpreted by a qualified physician. 2) Patient vitals are as entered by the clinician and not derived from the ECG.



# **USG WHOLE ABDOMEN**

## LIVER:

The liver is normal in size, shape and smooth margins. It shows normal parenchymal echo pattern. The intra hepatic biliary and portal radical appear normal. No evidence of any intra hepatic cystic or solid lesion seen. The main portal vein and CBD appears normal.

## **GALL BLADDER:**

The gall bladder is physiologically distended and appears normal.No evidence of gall stones or mass lesions seen.

## PANCREAS:

The pancreas is well visualised and appears normal.No evidence of solid or cystic mass lesion.

## **KIDNEYS:**

Both the kidneys are normal in size, shape and echotexture. No evidence of any calculus, hydronephrosis or mass lesion seen. Right kidney measures 10.8 x 3.4 cm. Left kidney measures 10.6 x 4.7 cm.

## **SPLEEN:**

The spleen is normal in size and echotexture. No evidence of focal lesion is noted.

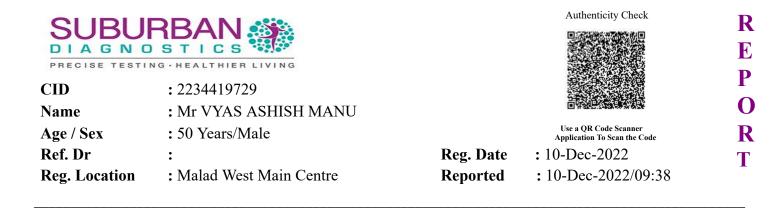
There is no evidence of any lymphadenopathy or ascites.

## **URINARY BLADDER:**

The urinary bladder is well distended and reveal no intraluminal abnormality.

## **PROSTATE:**

The prostate is normal in size and measures 4.1 x 3.5 x 2.7 cm and volume is 21.5 cc.



## **IMPRESSION:**

## No significant abnormality is seen.

## Suggestion: Clinicopathological correlation.

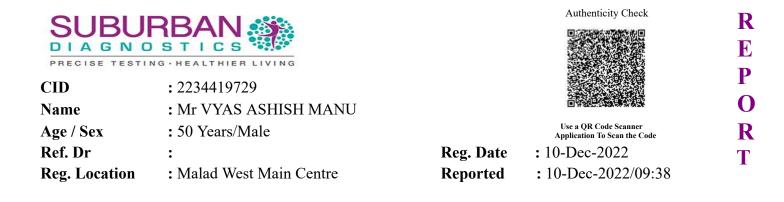
**Note**: Investigations have their limitations. Solitary radiological investigations never confirm the final diagnosis. They only help in diagnosing the disease in correlation to clinical symptoms and other related tests. USG is known to have inter-observer variations. Further / Follow-up imaging may be needed in some case for confirmation of findings. Patient has been explained in detail about the USG findings including its limitations and need for further imaging if clinically indicated. Please interpret accordingly. All the possible precaution have been taken under covid-19 pandemic.

-----End of Report-----

# This report is prepared and physically checked by DR SUNIL before dispatch.

Ami?

Dr. Sunil Bhutka DMRD DNB MMC REG NO:2011051101





PRECISE TESTING · HEALTHIER LIVING CID : 2234419729 Name : Mr VYAS ASHISH MANU Use a QR Code Scanner : 50 Years/Male Age / Sex Application To Scan the Code Ref. Dr **Reg.** Date :10-Dec-2022 **Reg.** Location : Malad West Main Centre Reported : 10-Dec-2022/17:54

# X-RAY CHEST PA VIEW

Both lung fields are clear.

Both costo-phrenic angles are clear.

The cardiac size and shape are within normal limits.

The domes of diaphragm are normal in position and outlines.

The skeleton under review appears normal.

# **IMPRESSION:** NO SIGNIFICANT ABNORMALITY IS DETECTED.

# To be correlated clinically

Note: Investigations have their limitations. Solitary radiological investigations never confirm the final diagnosis. X- ray is known to have inter-observer variations. FThey only help in diagnosing the disease in correlation to clinical symptoms and other related tests.urther / Follow-up imaging may be needed in some case for confirmation of findings. Please interpret accordingly.

-----End of Report-----

# This report is prepared and physically checked by Dr Akash Chhari before dispatch.

DR. Akash Chhari MBBS. MD. Radio-Diagnosis Mumbai MMC REG NO - 2011/08/2862

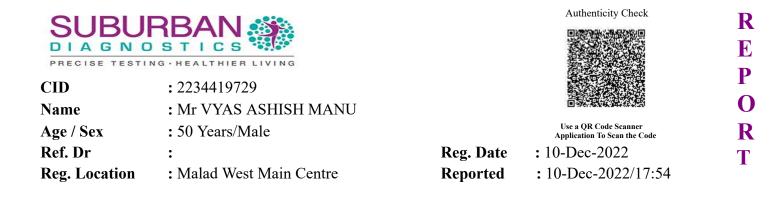
Authenticity Check

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CID : 2234419729 Name : MR.VYAS ASHISH MANU Age / Gender : 50 Years / Male Consulting Dr. : -Reg. Location : Malad West (Main Centre)



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## MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO

<u>CBC (Complete Blood Count), Blood</u>				
PARAMETER	<u>RESULTS</u>	<b>BIOLOGICAL REF RANGE</b>	<u>METHOD</u>	
<b>RBC PARAMETERS</b>				
Haemoglobin	11.7	13.0-17.0 g/dL	Spectrophotometric	
RBC	5.79	4.5-5.5 mil/cmm	Elect. Impedance	
PCV	34.9	40-50 %	Calculated	
MCV	60.3	80-100 fl	Measured	
MCH	20.1	27-32 pg	Calculated	
MCHC	33.4	31.5-34.5 g/dL	Calculated	
RDW	18.5	11.6-14.0 %	Calculated	
WBC PARAMETERS				
WBC Total Count	5900	4000-10000 /cmm	Elect. Impedance	
WBC DIFFERENTIAL AND AB	SOLUTE COUNTS			
Lymphocytes	40.6	20-40 %		
Absolute Lymphocytes	2395.4	1000-3000 /cmm	Calculated	
Monocytes	6.6	2-10 %		
Absolute Monocytes	389.4	200-1000 /cmm	Calculated	
Neutrophils	50.0	40-80 %		
Absolute Neutrophils	2950.0	2000-7000 /cmm	Calculated	
Eosinophils	2.7	1-6 %		
Absolute Eosinophils	159.3	20-500 /cmm	Calculated	
Basophils	0.1	0.1-2 %		
Absolute Basophils	5.9	20-100 /cmm	Calculated	
Immature Leukocytes	-			

WBC Differential Count by Absorbance & Impedance method/Microscopy.

## PLATELET PARAMETERS

Platelet Count	358000	150000-400000 /cmm	Elect. Impedance
MPV	8.7	6-11 fl	Measured
PDW	15.3	11-18 %	Calculated

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**RBC MORPHOLOGY** 

RECISE TESTING - HEAL				E
CID	: 2234419729			Р
Name	: MR.VYAS ASHISH MANU			0
Age / Gender	: 50 Years / Male		Use a QR Code Scanner Application To Scan the Code	R
Consulting Dr. Reg. Location	: - : Malad West (Main Centre)	Collected Reported	:10-Dec-2022 / 09:08 :10-Dec-2022 / 12:09	т

<u></u>			
Hypochromia	+		
Microcytosis	++		
Macrocytosis	-		
Anisocytosis	+		
Poikilocytosis	Mild		
Polychromasia	-		
Target Cells	-		
Basophilic Stippling	-		
Normoblasts	-		
Others	Elliptocytes-occasional		
WBC MORPHOLOGY	-		
PLATELET MORPHOLOGY	-		
COMMENT	-		
Note : Features are suggestive of th Advice : Hemoglobin studies by HPL Result rechecked.			
Specimen: EDTA Whole Blood			
ESR, EDTA WB	5	2-15 mm at 1 hr.	Sedimentation

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West \*\*\* End Of Report \*\*\*





M Jain

Dr.MILLU JAIN M.D.(PATH) Pathologist

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CID	: 2234419729
Name	: MR.VYAS ASHISH MANU
Age / Gender	:50 Years / Male
Consulting Dr. Reg. Location	: - : Malad West (Main Centre)

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#### MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO **BIOLOGICAL REF RANGE** PARAMETER RESULTS **METHOD** GLUCOSE (SUGAR) FASTING, 99.0 Non-Diabetic: < 100 mg/dl Hexokinase Fluoride Plasma Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl GLUCOSE (SUGAR) PP, Fluoride 96.7 Non-Diabetic: < 140 mg/dl Hexokinase Plasma PP/R Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl Urine Sugar (Fasting) Absent Absent Urine Ketones (Fasting) Absent Absent Urine Sugar (PP) Absent Absent Urine Ketones (PP) Absent Absent

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MC-2111

Anto

Dr.ANUPA DIXIT M.D.(PATH) Consultant Pathologist & Lab Director

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Age / Gender	:50 Years / Male
Consulting Dr. Reg. Location	: - : Malad West (Main Centre)



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MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO KIDNEY FUNCTION TESTS

RESULTS	BIOLOGICAL REF RANGE	<u>METHOD</u>
13.8	12.8-42.8 mg/dl	Kinetic
6.4	6-20 mg/dl	Calculated
0.66	0.67-1.17 mg/dl	Enzymatic
136	>60 ml/min/1.73sqm	Calculated
7.2	6.4-8.3 g/dL	Biuret
4.4	3.5-5.2 g/dL	BCG
2.8	2.3-3.5 g/dL	Calculated
1.6	1 - 2	Calculated
6.5	3.5-7.2 mg/dl	Enzymatic
3.2	2.7-4.5 mg/dl	Molybdate UV
9.1	8.6-10.0 mg/dl	N-BAPTA
137	135-148 mmol/l	ISE
5.0	3.5-5.3 mmol/l	ISE
103	98-107 mmol/l	ISE
	RESULTS         13.8         6.4         0.66         136         7.2         4.4         2.8         1.6         6.5         3.2         9.1         137         5.0	RESULTS         BIOLOGICAL REF RANGE           13.8         12.8-42.8 mg/dl           6.4         6-20 mg/dl           0.66         0.67-1.17 mg/dl           136         >60 ml/min/1.73sqm           7.2         6.4-8.3 g/dL           4.4         3.5-5.2 g/dL           2.8         2.3-3.5 g/dL           1.6         1 - 2           6.5         3.5-7.2 mg/dl           3.2         2.7-4.5 mg/dl           9.1         8.6-10.0 mg/dl           137         135-148 mmol/l           5.0         3.5-5.3 mmol/l

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**Dr.JYOT THAKKER** 

Pathologist & AVP( Medical Services)

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:10-Dec-2022 / 09:08 :10-Dec-2022 / 13:24

# MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO GLYCOSYLATED HEMOGLOBIN (HbA1c)

PARAMETER	RESULIS	BIULUGICAL REF RANGE	METHOD
Glycosylated Hemoglobin (HbA1c), EDTA WB - CC	5.5	Non-Diabetic Level: < 5.7 % Prediabetic Level: 5.7-6.4 % Diabetic Level: >/= 6.5 %	HPLC
Estimated Average Glucose (eAG), EDTA WB - CC	111.2	mg/dl	Calculated

#### Intended use:

- In patients who are meeting treatment goals, HbA1c test should be performed at least 2 times a year
- In patients whose therapy has changed or who are not meeting glycemic goals, it should be performed quarterly
- For microvascular disease prevention, the HbA1C goal for non pregnant adults in general is Less than 7%.

#### **Clinical Significance:**

- HbA1c, Glycosylated hemoglobin or glycated hemoglobin, is hemoglobin with glucose molecule attached to it.
- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of glycosylated hemoglobin in the blood.

#### Test Interpretation:

- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of Glycosylated hemoglobin in the blood.
- HbA1c test may be used to screen for and diagnose diabetes or risk of developing diabetes.
- To monitor compliance and long term blood glucose level control in patients with diabetes.
- Index of diabetic control, predicting development and progression of diabetic micro vascular complications.

#### Factors affecting HbA1c results:

Increased in: High fetal hemoglobin, Chronic renal failure, Iron deficiency anemia, Splenectomy, Increased serum triglycerides, Alcohol ingestion, Lead/opiate poisoning and Salicylate treatment.

Decreased in: Shortened RBC lifespan (Hemolytic anemia, blood loss), following transfusions, pregnancy, ingestion of large amount of Vitamin E or Vitamin C and Hemoglobinopathies

Reflex tests: Blood glucose levels, CGM (Continuous Glucose monitoring)

References: ADA recommendations, AACC, Wallach's interpretation of diagnostic tests 10th edition.

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Pathologist & AVP( Medical Services)

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:10-Dec-2022 / 09:08 :10-Dec-2022 / 12:06

#### MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO **PROSTATE SPECIFIC ANTIGEN (PSA)** RESULTS **BIOLOGICAL REF RANGE** PARAMETER **METHOD**

TOTAL PSA, Serum

0.375

0.03-3.5 ng/ml

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CID

Name

Age / Gender

Consulting Dr.

Reg. Location

#### **Clinical Significance:**

- PSA is detected in the serum of males with normal, benign hyper-plastic, and malignant prostate tissue.
- Monitoring patients with a history of prostate cancer as an early indicator of recurrence and response to treatment.
- Prostate cancer screening 4. The percentage of Free PSA (FPSA) in serum is described as being significantly higher in patients with BPH • than in patients with prostate cancer. 5. Calculation of % free PSA (ie. FPSA/TPSA x 100 ), has been suggested as way of improving the differentiation of BPH and Prostate cancer.

#### Interpretation:

Increased In- Prostate diseases, Cancer, Prostatitis, Benign prostatic hyperplasia, Prostatic ischemia, Acute urinary retention, Manipulations like Prostatic massage, Cystoscopy, Needle biopsy, Transurethral resection, Digital rectal examination, Radiation therapy, Indwelling catheter, Vigorous bicycle exercise, Drugs (e.g., testosterone), Physiologic fluctuations. Also found in small amounts in other cancers (sweat and salivary glands, breast, colon, lung, ovary) and in Skene glands of female urethra and in term placenta, Acute renal failure, Acute myocardial infarction.

Decreased In- Ejaculation within 24-48 hours, Castration, Antiandrogen drugs (e.g., finasteride), Radiation therapy, Prostatectomy, PSA falls 17% in 3 days after lying in hospital, Artifactual (e.g., improper specimen collection; very high PSA levels). Finasteride (5-α-reductase inhibitor) reduces PSA by 50% after 6 months in men without cancer.

#### Reflex Tests: % FREE PSA . USG Prostate

#### Limitations:

- tPSA values determined on patient samples by different testing procedures cannot be directly compared with one another and could be the cause of erroneous medical interpretations. If there is a change in the tPSA assay procedure used while monitoring therapy, then the tPSA values obtained upon changing over to the new procedure must be confirmed by parallelmeasurements with both methods. Immediate PSA testing following digital rectal examination, ejaculation, prostatic massage, indwelling catheterization, ultrasonography and needle biopsy of prostate is not recommended as they falsely elevate levels.
- Patients who have been regularly exposed to animals or have received immunotherapy or diagnostic procedures utilizing immunoglobulins or immunoglobulin fragments may produce antibodies, e.g. HAMA, that interferes with immunoassays.
- PSA results should be interpreted in light of the total clinical presentation of the patient, including: symptoms, clinical history, data from additional tests, and other appropriate information.
- Serum PSA concentrations should not be interpreted as absolute evidence for the presence or absence of prostate cancer.

#### **Reference:**

- Wallach's Interpretation of diagnostic tests
- Total PSA Pack insert

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West \*\*\* End Of Report \*\*



Anto

**Dr.ANUPA DIXIT** M.D.(PATH) **Consultant Pathologist & Lab** Director

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CID : 2234419729 Name : MR.VYAS ASHISH MANU Age / Gender : 50 Years / Male Consulting Dr. : -Reg. Location : Malad West (Main Centre)

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## MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO URINE EXAMINATION REPORT

PARAMETER	<u>RESULTS</u>	<b>BIOLOGICAL REF RANGE</b>	<u>METHOD</u>
PHYSICAL EXAMINATION			
Color	Pale yellow	Pale Yellow	-
Reaction (pH)	5.0	4.5 - 8.0	Chemical Indicator
Specific Gravity	1.015	1.001-1.030	Chemical Indicator
Transparency	Clear	Clear	-
Volume (ml)	30	-	-
CHEMICAL EXAMINATION			
Proteins	Absent	Absent	pH Indicator
Glucose	Absent	Absent	GOD-POD
Ketones	Absent	Absent	Legals Test
Blood	Absent	Absent	Peroxidase
Bilirubin	Absent	Absent	Diazonium Salt
Urobilinogen	Normal	Normal	Diazonium Salt
Nitrite	Absent	Absent	Griess Test
<b>MICROSCOPIC EXAMINATIO</b>	N		
Leukocytes(Pus cells)/hpf	1-2	0-5/hpf	
Red Blood Cells / hpf	Absent	0-2/hpf	
Epithelial Cells / hpf	0-1		
Casts	Absent	Absent	
Crystals	Absent	Absent	
Amorphous debris	Absent	Absent	
Bacteria / hpf	10-15	Less than 20/hpf	
Others			

Others

Interpretation: The concentration values of Chemical analytes corresponding to the grading given in the report are as follows:

- Protein:(1+ ~25 mg/dl, 2+ ~75 mg/dl, 3+ ~ 150 mg/dl, 4+ ~ 500 mg/dl)
- Glucose:(1+ ~ 50 mg/dl, 2+ ~100 mg/dl, 3+ ~300 mg/dl,4+ ~1000 mg/dl)
- Ketone:(1+ ~5 mg/dl, 2+ ~15 mg/dl, 3+ ~ 50 mg/dl, 4+ ~ 150 mg/dl)

### Reference: Pack insert



M. Jain

Dr.MILLU JAIN M.D.(PATH) Pathologist

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:50 Years / Male		Use a QR Code Scanner Application To Scan the Code	R
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	: 50 Years / Male : -	: 2234419729 : MR.VYAS ASHISH MANU : 50 Years / Male : - Collected	: 2234419729 : MR.VYAS ASHISH MANU : 50 Years / Male : - Collected :10-Dec-2022 / 09:08

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CID : 2234419729 Name : MR.VYAS ASHISH MANU Age / Gender : 50 Years / Male Consulting Dr. : -Reg. Location : Malad West (Main Centre)



# MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO BLOOD GROUPING & Rh TYPING

## PARAMETER

## RESULTS

ABO GROUP O Rh TYPING POSITIVE

NOTE: Test performed by automated column agglutination technology (CAT) which is more sensitive than conventional methods.

Note: This sample is not tested for Bombay blood group.

Specimen: EDTA Whole Blood and/or serum

#### Clinical significance:

ABO system is most important of all blood group in transfusion medicine

#### Limitations:

- ABO blood group of new born is performed only by cell (forward) grouping because allo antibodies in cord blood are of maternal origin.
- Since A & B antigens are not fully developed at birth, both Anti-A & Anti-B antibodies appear after the first 4 to 6 months of life. As a result, weaker reactions may occur with red cells of newborns than of adults.
- Confirmation of newborn's blood group is indicated when A & B antigen expression and the isoagglutinins are fully developed at 2 to 4 years of age & remains constant throughout life.
- · Cord blood is contaminated with Wharton's jelly that causes red cell aggregation leading to false positive result
- The Hh blood group also known as Oh or Bombay blood group is rare blood group type. The term Bombay is used to refer the phenotype that lacks normal expression of ABH antigens because of inheritance of hh genotype.

#### Refernces:

- 1. Denise M Harmening, Modern Blood Banking and Transfusion Practices- 6th Edition 2012. F.A. Davis company. Philadelphia
- 2. AABB technical manual

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\*\*\* End Of Report \*\*\*



M. Jain

Dr.MILLU JAIN M.D.(PATH) Pathologist

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Age / Gender	:50 Years / Male
Consulting Dr. Reg. Location	: - : Malad West (Main Centre)



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## MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO LIPID PROFILE

PARAMETER	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
CHOLESTEROL, Serum	164.9	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	CHOD-POD
TRIGLYCERIDES, Serum	122.9	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	GPO-POD
HDL CHOLESTEROL, Serum	36.6	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Homogeneous enzymatic colorimetric assay
NON HDL CHOLESTEROL, Serum	128.3	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	103.0	Optimal: <100 mg/dl Near Optimal: 100 - 129 mg/dl Borderline High: 130 - 159 mg/dl High: 160 - 189 mg/dl Very High: >/= 190 mg/dl	Calculated
VLDL CHOLESTEROL, Serum	25.3	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	4.5	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	2.8	0-3.5 Ratio	Calculated
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Dr.JYOT THAKKER

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: 50 Years / Male

: MR. VYAS ASHISH MANU

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Name

Age / Gender Consulting Dr.

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# Reg. Location : Malad West (Main Centre) Reported : 10-Dec-2022 / 1 MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO THYROID FUNCTION TESTS

PARAMETER	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
Free T3, Serum	4.8	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	13.2	11.5-22.7 pmol/L	ECLIA
sensitiveTSH, Serum	3.32	0.35-5.5 microIU/ml	ECLIA

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CID	: 2234419729			
Name	: MR.VYAS ASHISH MANU			
Age / Gender	: 50 Years / Male		Use a QR Code Scanner Application To Scan the Code	
Consulting Dr.	: -	Collected	:10-Dec-2022 / 09:08	
Reg. Location	: Malad West (Main Centre)	Reported	:10-Dec-2022 / 12:06	

#### Interpretation:

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A thyroid panel is used to evaluate thyroid function and/or help diagnose various thyroid disorders.

#### **Clinical Significance:**

1)TSH Values between high abnormal upto15 microIU/ml should be correlated clinically or repeat the test with new sample as physiological factors

can give falsely high TSH.

2)TSH values may be trasiently altered becuase of non thyroidal illness like severe infections, liver disease, renal and heart severe burns, trauma and surgery etc.

TSH	FT4 / T4	FT3 / T3	Interpretation
High	Normal	Normal	Subclinical hypothyroidism, poor compliance with thyroxine, drugs like amiodarone, Recovery phase of non- thyroidal illness, TSH Resistance.
High	Low	Low	Hypothyroidism, Autoimmune thyroiditis, post radio iodine Rx, post thyroidectomy, Anti thyroid drugs, tyrosine kinase inhibitors & amiodarone, amyloid deposits in thyroid, thyroid tumors & congenital hypothyroidism.
Low	High	High	Hyperthyroidism, Graves disease, toxic multinodular goiter, toxic adenoma, excess iodine or thyroxine intake, pregnancy related (hyperemesis gravidarum, hydatiform mole)
Low	Normal	Normal	Subclinical Hyperthyroidism, recent Rx for Hyperthyroidism, drugs like steroids & dopamine), Non thyroidal illness.
Low	Low	Low	Central Hypothyroidism, Non Thyroidal Illness, Recent Rx for Hyperthyroidism.
High	High	High	Interfering anti TPO antibodies, Drug interference: Amiodarone, Heparin, Beta Blockers, steroids & anti epileptics.

**Diurnal Variation:**TSH follows a diurnal rhythm and is at maximum between 2 am and 4 am, and is at a minimum between 6 pm and 10 pm. The variation is on the order of 50 to 206%. Biological variation:19.7% (with in subject variation)

Reflex Tests: Anti thyroid Antibodies, USG Thyroid , TSH receptor Antibody. Thyroglobulin, Calcitonin

#### Limitations:

1. Samples should not be taken from patients receiving therapy with high biotin doses (i.e. >5 mg/day) until atleast 8 hours

following the last biotin administration.

2. Patient samples may contain heterophilic antibodies that could react in immunoassays to give falsely elevated or depressed results. this assay is designed to minimize interference from heterophilic antibodies.

#### **Reference:**

1.O.koulouri et al. / Best Practice and Research clinical Endocrinology and Metabolism 27(2013)

2.Interpretation of the thyroid function tests, Dayan et al. THE LANCET . Vol 357

3. Tietz, Text Book of Clinical Chemistry and Molecular Biology -5th Edition

4.Biological Variation: From principles to Practice-Callum G Fraser (AACC Press)

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West

\*\*\* End Of Report \*\*\*





Anto

Dr.ANUPA DIXIT M.D.(PATH) Consultant Pathologist & Lab Director

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Name	: MR.VYAS ASHISH MANU
Age / Gender	:50 Years / Male
Consulting Dr. Reg. Location	: - : Malad West (Main Centre)



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## MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO LIVER FUNCTION TESTS

PARAMETER	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
BILIRUBIN (TOTAL), Serum	0.94	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.39	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.55	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.2	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.4	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.8	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.6	1 - 2	Calculated
SGOT (AST), Serum	34.7	5-40 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	54.6	5-45 U/L	NADH (w/o P-5-P)
GAMMA GT, Serum	41.4	3-60 U/L	Enzymatic
ALKALINE PHOSPHATASE, Serum	80.3	40-130 U/L	Colorimetric

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West \*\*\* End Of Report \*\*\*



**Dr.JYOT THAKKER** 

Pathologist & AVP( Medical Services)

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