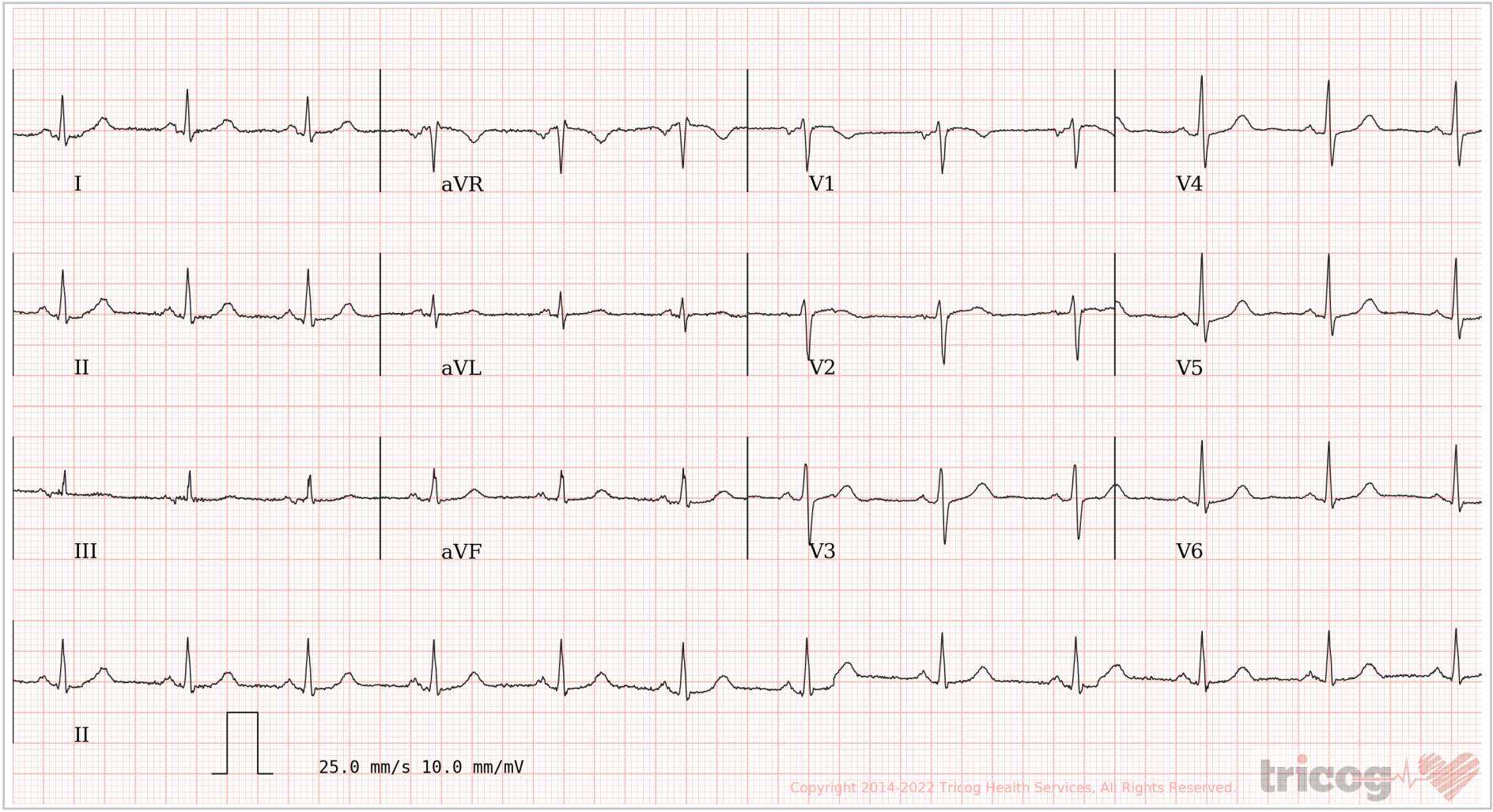
SUBURBAN DIAGNOSTICS - G B ROAD, THANE WEST

SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

Patient Name: SHWETA P SHANBHAG
Patient ID: 2220424219

Date and Time: 23rd Jul 22 9:03 AM



Age 39 years 8 months 3 days

Gender **Female**

Heart Rate **72bpm**

Patient Vitals

BP:	NA
Weight:	NA
Height:	NA
Pulse:	NA
Spo2:	NA
Resp:	NA
Others:	

Measurements

QRSD:	88ms
QT:	400ms
QTc:	438ms
PR:	130ms
P-R-T:	22° 52° 43°

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

REPORTED BY

DR SHAILAJA PILLAI
MBBS, MD Physican
MD Physican
49972

SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

Authenticity Check

Use a QR Code Scanner Application To Scan the Code

REPORT

CID	: 2220424219		
Name	: Mrs SHWETA P SHANBHAG		
Age / Sex	: 39 Years/Female		
Ref. Dr	:	**Reg. Date**	: 23-Jul-2022
Reg. Location	: G B Road, Thane West Main Centre	**Reported**	: 23-Jul-2022/13:32

USG WHOLE ABDOMEN

LIVER: ***Liver appears enlarged in size(18.3 cm) and shows increased echoreflectivity.*** There is no intra-hepatic biliary radical dilatation. No evidence of any focal lesion.

GALL BLADDER: Gall bladder is distended and appears normal. Wall thickness is within normal limits. There is no evidence of any calculus.

PORTAL VEIN: Portal vein is normal. **CBD:** CBD is normal.

PANCREAS: Visualised head and body of pancreas appears normal in size & echotexture. Rest is obscured by excessive bowel gas.

KIDNEYS: Right kidney measures 9.9 x 3.9 cm. Left kidney measures 10.4 x 4.6 cm.
Both kidneys are normal in size, shape and echotexture. Corticomedullary differentiation is maintained. There is no evidence of any hydronephrosis, hydroureter or calculus.

SPLEEN: Spleen is normal in size, shape and echotexture. No focal lesion is seen.

URINARY BLADDER: Urinary bladder is distended and normal. Wall thickness is within normal limits.

UTERUS: Uterus is anteverted and measures 6.6 x 3.7 x cm. Uterine myometrium shows homogenous echotexture. Endometrial echo is in midline and measures 9.8 mm. Cervix appears normal.

OVARIES:
The right ovary measures 2.5 x 1.9 cm. Right adnexa appears clear.
The left ovary is not well visualized.
A well defined, rounded ,heteroechoic non vascular lesion is noted arising in the left adnexa measuring 5.2 x 4.7 cm. It is seen supero-lateral to the urinary bladder on left side.Needs further evaluation.

No free fluid or significant lymphadenopathy is seen. **Bowel gas++**

Click here to view images http://3.111.232.119/iRISViewer/NeoradViewer?AccessionNo=2022072308401496

SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

Authenticity Check

Use a QR Code Scanner Application To Scan the Code

REPORT

CID	: 2220424219		
Name	: Mrs SHWETA P SHANBHAG		
Age / Sex	: 39 Years/Female		
Ref. Dr	:	**Reg. Date**	: 23-Jul-2022
Reg. Location	: G B Road, Thane West Main Centre	**Reported**	: 23-Jul-2022/13:32

IMPRESSION:

- **HEPATOMEGALY WITH GRADE I FATTY INFILTRATION OF LIVER.**
- **LEFT ADNEXAL LESION AS DESCRIBED.**

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 cases for confirmation / exclusion of diagnosis.

Advice:Clinical co-relation and further evaluation.

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

This report is prepared and physically checked by Dr. Devendra Patil before dispatch.

Dr. Devendra Patil
MBBS, MD (Radio-Diagnosis)
Consultant Radiologist
MMC - 2013/02/0165

Click here to view images http://3.111.232.119/iRISViewer/NeoradViewer?AccessionNo=2022072308401496

SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

Authenticity Check

Use a QR Code Scanner Application To Scan the Code

REPORT

CID	: 2220424219		
Name	: Mrs SHWETA P SHANBHAG		
Age / Sex	: 39 Years/Female		
Ref. Dr	:	**Reg. Date**	: 23-Jul-2022
Reg. Location	: G B Road, Thane West Main Centre	**Reported**	: 23-Jul-2022/13:32

Click here to view images http://3.111.232.119/iRISViewer/NeoradViewer?AccessionNo=2022072308401496

SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

Authenticity Check

Use a QR Code Scanner Application To Scan the Code

REPORT

CID	: 2220424219		
Name	: Mrs SHWETA P SHANBHAG		
Age / Sex	: 39 Years/Female		
Ref. Dr	:	**Reg. Date**	: 23-Jul-2022
Reg. Location	: G B Road, Thane West Main Centre	**Reported**	: 23-Jul-2022/10:31

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.

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

This report is prepared and physically checked by Dr. Devendra Patil before dispatch.

Dr. Devendra Patil
MBBS, MD (Radio-Diagnosis)
Consultant Radiologist
MMC - 2013/02/0165

Click here to view images http://3.111.232.119/iRISViewer/NeoradViewer?AccessionNo=2022072308401500

SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

Authenticity Check

Use a QR Code Scanner Application To Scan the Code

REPORT

CID	: 2220424219		
Name	: Mrs SHWETA P SHANBHAG		
Age / Sex	: 39 Years/Female		
Ref. Dr	:	**Reg. Date**	: 23-Jul-2022
Reg. Location	: G B Road, Thane West Main Centre	**Reported**	: 23-Jul-2022/10:31

Click here to view images http://3.111.232.119/iRISViewer/NeoradViewer?AccessionNo=2022072308401500

SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

Authenticity Check

Use a QR Code Scanner Application To Scan the Code

REPORT

CID	: 2220424219		
Name	: MRS.SHWETA P SHANBHAG		
Age / Gender	: 39 Years / Female		
Consulting Dr.	: -	**Collected**	: 23-Jul-2022 / 08:49
Reg. Location	: G B Road, Thane West (Main Centre)	**Reported**	: 23-Jul-2022 / 12:17

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

CBC (Complete Blood Count), Blood

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
RBC PARAMETERS			
Haemoglobin	12.4	12.0-15.0 g/dL	Spectrophotometric
RBC	**5.26**	3.8-4.8 mil/cmm	Elect. Impedance
PCV	39.9	36-46 %	Measured
MCV	**76**	80-100 fl	Calculated
MCH	**23.6**	27-32 pg	Calculated
MCHC	**31.1**	31.5-34.5 g/dL	Calculated
RDW	**18.0**	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	8700	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND ABSOLUTE COUNTS			
Lymphocytes	35.9	20-40 %	
Absolute Lymphocytes	**3123.3**	1000-3000 /cmm	Calculated
Monocytes	5.0	2-10 %	
Absolute Monocytes	435.0	200-1000 /cmm	Calculated
Neutrophils	56.7	40-80 %	
Absolute Neutrophils	4932.9	2000-7000 /cmm	Calculated
Eosinophils	2.3	1-6 %	
Absolute Eosinophils	200.1	20-500 /cmm	Calculated
Basophils	0.1	0.1-2 %	
Absolute Basophils	**8.7**	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

PLATELET PARAMETERS			
Platelet Count	397000	150000-400000 /cmm	Elect. Impedance
MPV	8.4	6-11 fl	Calculated
PDW	13.0	11-18 %	Calculated
RBC MORPHOLOGY			
Hypochromia	Mild		
Microcytosis	Mild		

ADDRESS: 2nd Floor, Aston, Sundervan Complex, Above Mercedes Showroom, Andheri West - 400053
HEALTHLINE - MUMBAI: 022-6170-0000 | OTHER CITIES: 1800-266-4343
For Feedback - customerservice@suburbandiagnostics.com | www.suburbandiagnostics.com

CID	: 2220424219		
Name	: MRS.SHWETA P SHANBHAG		
Age / Gender	: 39 Years / Female		
Consulting Dr.	: -	**Collected**	: 23-Jul-2022 / 08:49
Reg. Location	: G B Road, Thane West (Main Centre)	**Reported**	: 23-Jul-2022 / 11:06

Macrocytosis	-
Anisocytosis	+
Poikilocytosis	Mild
Polychromasia	-
Target Cells	-
Basophilic Stippling	-
Normoblasts	-
Others	Elliptocytes-occasional
WBC MORPHOLOGY	-
PLATELET MORPHOLOGY	-
COMMENT	-

Specimen: EDTA Whole Blood

ESR, EDTA WB	**34**	2-20 mm at 1 hr.	Westergren

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD G B Road Lab, Thane West

*** End Of Report ***

SUBURBAN DIAGNOSTICS (I) PVT. LTD.

Dr.AMIT TAORI
M.D (Path)
Pathologist

SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

Authenticity Check

Use a QR Code Scanner Application To Scan the Code

REPORT

CID	: 2220424219		
Name	: MRS.SHWETA P SHANBHAG		
Age / Gender	: 39 Years / Female		
Consulting Dr.	: -	**Collected**	: 23-Jul-2022 / 08:49
Reg. Location	: G B Road, Thane West (Main Centre)	**Reported**	: 23-Jul-2022 / 12:49

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	97.0	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
GLUCOSE (SUGAR) PP, Fluoride Plasma PP/R	84.5	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	0.23	0.1-1.2 mg/dl	Diazo
BILIRUBIN (DIRECT), Serum	0.17	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	**0.06**	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.7	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.5	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	3.2	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.4	1 - 2	Calculated
SGOT (AST), Serum	26.7	5-32 U/L	IFCC without pyridoxal phosphate activation
SGPT (ALT), Serum	19.7	5-33 U/L	IFCC without pyridoxal phosphate activation
GAMMA GT, Serum	14.0	3-40 U/L	IFCC
ALKALINE PHOSPHATASE, Serum	48.9	35-105 U/L	PNPP
BLOOD UREA, Serum	**11.4**	12.8-42.8 mg/dl	Urease & GLDH
BUN, Serum	**5.3**	6-20 mg/dl	Calculated
CREATININE, Serum	0.68	0.51-0.95 mg/dl	Enzymatic
eGFR, Serum	102	>60 ml/min/1.73sqm	Calculated

ADDRESS: 2nd Floor, Aston, Sundervan Complex, Above Mercedes Showroom, Andheri West - 400053
HEALTHLINE - MUMBAI: 022-6170-0000 | OTHER CITIES: 1800-266-4343
For Feedback - customerservice@suburbandiagnostics.com | www.suburbandiagnostics.com

CID	: 2220424219		
Name	: MRS.SHWETA P SHANBHAG		
Age / Gender	: 39 Years / Female		
Consulting Dr.	: -	**Collected**	: 23-Jul-2022 / 08:49
Reg. Location	: G B Road, Thane West (Main Centre)	**Reported**	: 23-Jul-2022 / 12:49

URIC ACID, Serum	5.5	2.4-5.7 mg/dl	Uricase
Urine Sugar (Fasting)	Absent	Absent	
Urine Ketones (Fasting)	Absent	Absent	

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD G B Road Lab, Thane West

*** End Of Report ***

Dr.AMIT TAORI
M.D (Path)
Pathologist

SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

Authenticity Check

Use a QR Code Scanner Application To Scan the Code

REPORT

CID	: 2220424219		
Name	: MRS.SHWETA P SHANBHAG		
Age / Gender	: 39 Years / Female		
Consulting Dr.	: -	**Collected**	: 23-Jul-2022 / 08:49
Reg. Location	: G B Road, Thane West (Main Centre)	**Reported**	: 23-Jul-2022 / 14:07

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

GLYCOSYLATED HEMOGLOBIN (HbA1c)

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Glycosylated Hemoglobin (HbA1c), EDTA WB - CC	5.4	Non-Diabetic Level: < 5.7 % Prediabetic Level: 5.7-6.4 % Diabetic Level: >/= 6.5 %	HPLC
Estimated Average Glucose (eAG), EDTA WB - CC	108.3	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.

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD SDRL, Vidyavihar Lab

*** End Of Report ***

SUBURBAN DIAGNOSTICS (I) PVT. LTD.

Dr.TRUPTI SHETTY
M. D. (PATH)
Pathologist

SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

Authenticity Check

Use a QR Code Scanner Application To Scan the Code

REPORT

CID	: 2220424219		
Name	: MRS.SHWETA P SHANBHAG		
Age / Gender	: 39 Years / Female		
Consulting Dr.	: -	**Collected**	: 23-Jul-2022 / 08:49
Reg. Location	: G B Road, Thane West (Main Centre)	**Reported**	: 23-Jul-2022 / 13:40

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

URINE EXAMINATION REPORT

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
PHYSICAL EXAMINATION			
Color	Pale yellow	Pale Yellow	-
Reaction (pH)	Acidic (5.0)	4.5 - 8.0	Chemical Indicator
Specific Gravity	1.010	1.010-1.030	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
MICROSCOPIC EXAMINATION			
Leukocytes(Pus cells)/hpf	1-2	0-5/hpf	
Red Blood Cells / hpf	Absent	0-2/hpf	
Epithelial Cells / hpf	2-3		
Casts	Absent	Absent	
Crystals	Absent	Absent	
Amorphous debris	Absent	Absent	
Bacteria / hpf	3-4	Less than 20/hpf	

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD G B Road Lab, Thane West

*** End Of Report ***

SUBURBAN DIAGNOSTICS (I) PVT. LTD.

Dr.AMIT TAORI
M.D (Path)
Pathologist

CID	: 2220424219		
Name	: MRS.SHWETA P SHANBHAG		
Age / Gender	: 39 Years / Female		
Consulting Dr.	: -	**Collected**	: 23-Jul-2022 / 08:49
Reg. Location	: G B Road, Thane West (Main Centre)	**Reported**	: 23-Jul-2022 / 12:45

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE
BLOOD GROUPING & Rh TYPING

PARAMETER	RESULTS
ABO GROUP	O
Rh TYPING	Positive

NOTE: Test performed by Semi- automated column agglutination technology (CAT)

Note: This sample has also been tested for Bombay group/Bombay phenotype/Oh using anti-H lectin.

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

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD G B Road Lab, Thane West

*** End Of Report ***

SUBURBAN DIAGNOSTICS (I) PVT. LTD.

Dr.AMIT TAORI
M.D (Path)
Pathologist

SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

Authenticity Check

Use a QR Code Scanner Application To Scan the Code

REPORT

CID	: 2220424219		
Name	: MRS.SHWETA P SHANBHAG		
Age / Gender	: 39 Years / Female		
Consulting Dr.	: -	**Collected**	: 23-Jul-2022 / 08:49
Reg. Location	: G B Road, Thane West (Main Centre)	**Reported**	: 23-Jul-2022 / 12:49

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

LIPID PROFILE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
CHOLESTEROL, Serum	165.9	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	CHOD-POD
TRIGLYCERIDES, Serum	90.5	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	43.5	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Homogeneous enzymatic colorimetric assay
NON HDL CHOLESTEROL, Serum	122.4	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	**104.0**	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	18.4	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	3.8	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	2.4	0-3.5 Ratio	Calculated

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD G B Road Lab, Thane West

*** End Of Report ***

SUBURBAN DIAGNOSTICS (I) PVT. LTD.

Dr.AMIT TAORI
M.D (Path)
Pathologist

CID	: 2220424219		
Name	: MRS.SHWETA P SHANBHAG		
Age / Gender	: 39 Years / Female		
Consulting Dr.	: -	**Collected**	: 23-Jul-2022 / 08:49
Reg. Location	: G B Road, Thane West (Main Centre)	**Reported**	: 23-Jul-2022 / 12:09

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

THYROID FUNCTION TESTS

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Free T3, Serum	4.4	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	17.0	11.5-22.7 pmol/L First Trimester:9.0-24.7 Second Trimester:6.4-20.59 Third Trimester:6.4-20.59	ECLIA
sensitiveTSH, Serum	2.1	0.35-5.5 microIU/ml First Trimester:0.1-2.5 Second Trimester:0.2-3.0 Third Trimester:0.3-3.0	ECLIA

ADDRESS: 2nd Floor, Aston, Sundervan Complex, Above Mercedes Showroom, Andheri West - 400053
HEALTHLINE - MUMBAI: 022-6170-0000 | OTHER CITIES: 1800-266-4343
For Feedback - customerservice@suburbandiagnostics.com | www.suburbandiagnostics.com

CID	: 2220424219		
Name	: MRS.SHWETA P SHANBHAG		
Age / Gender	: 39 Years / Female		
Consulting Dr.	: -	**Collected**	: 23-Jul-2022 / 08:49
Reg. Location	: G B Road, Thane West (Main Centre)	**Reported**	: 23-Jul-2022 / 12:09

Interpretation:
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 G B Road Lab, Thane West

*** End Of Report ***

SUBURBAN DIAGNOSTICS (I) PVT. LTD.

Dr.AMIT TAORI
M.D (Path)
Pathologist