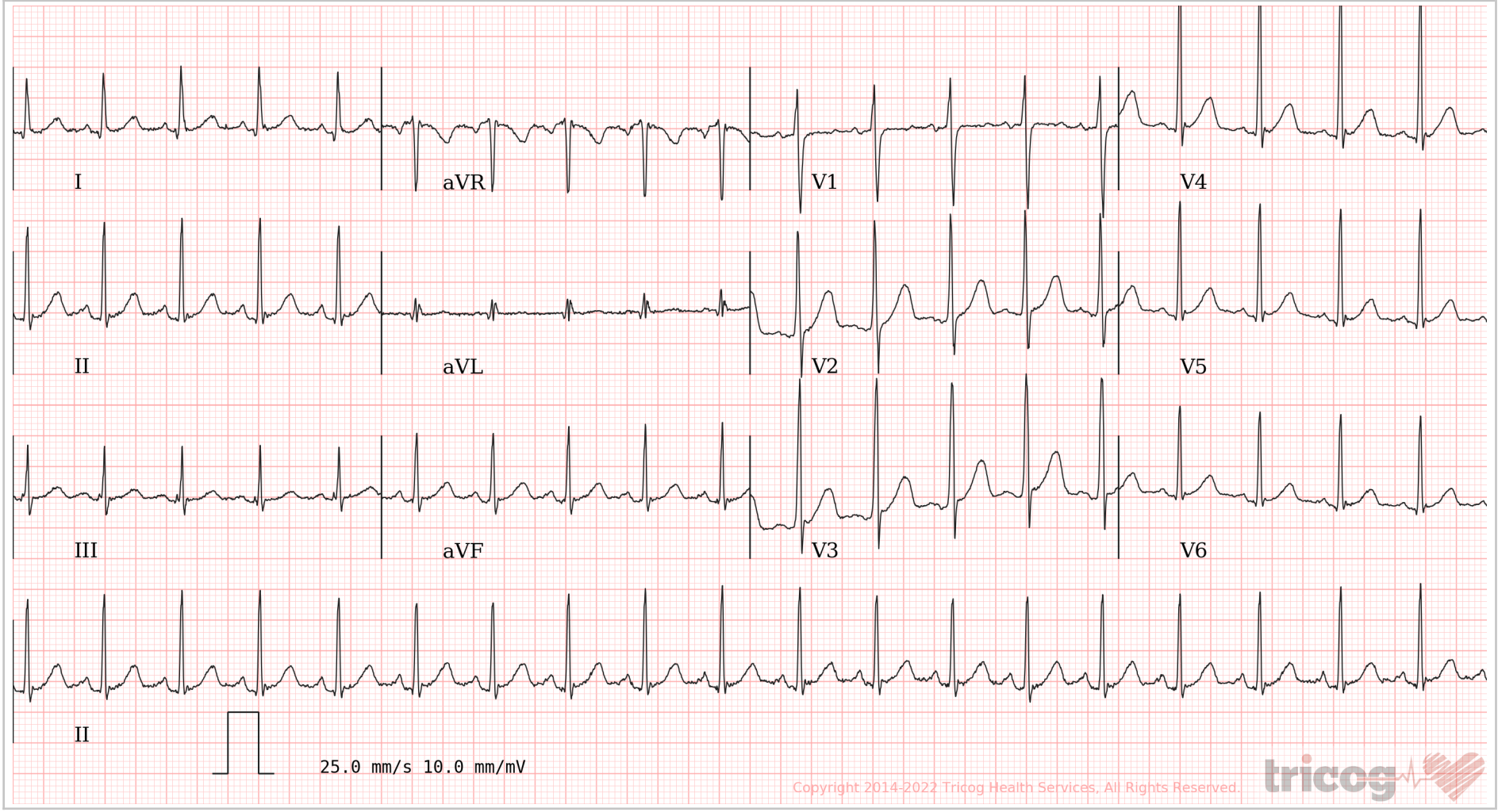
SUBURBAN DIAGNOSTICS - MALAD WEST

SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

Patient Name: JYOTI BELGE
Patient ID: 2205727667

Date and Time: 26th Feb 22 1:43 PM



Age 31 years 6 months 12 days

Gender **Female**

Heart Rate **119bpm**

Patient Vitals

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

Measurements

QSRD:	76ms
QT:	322ms
QTc:	452ms
PR:	124ms
P-R-T:	59° 55° 57°

ECG Within Normal Limits: Sinus Tachycardia.Please correlate clinically.

REPORTED BY

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

SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

Authenticity Check

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R E P O R T

CID	: 2205727667		
Name	: Mrs JYOTI BELGE		
Age / Sex	: 31 Years/Female		
Ref. Dr	:	**Reg. Date**	: 26-Feb-2022 / 12:44
Reg. Location	: Malad West Main Centre	**Reported**	: 26-Feb-2022 / 12:45

USG WHOLE ABDOMEN

LIVER:
The liver is normal in size (12.7 cm), 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 head and partial body is visualized and appears normal. No evidence of solid or cystic mass lesion. Rest of the pancreas is obscured due to bowel gas shadows.

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 3.6 cm. Left kidney measures 10.7 x 4.7 cm.

SPLEEN:
The spleen is normal in size (8.3 cm) 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.

UTERUS:
The uterus is anteverted and appears normal. It measures 6.6 x 5.3 x 3.6 cms in size. The endometrial thickness is 10.9 mm.

OVARIES:
Right ovary = 4.3 x 4.0 x 2.4 cm (Volume is 23.0 cc). Evidence of well defined, anechoic cystic lesion is noted in the right ovary measuring 3.4 x 3.2 cm.
Left ovary = 3.2 x 2.6 x 1.3 cm (Volume is 5.7 cc).

Click here to view images
http://202.143.96.162/Suburban/Viewer?ViewerType=3&AccessionNo=2022022610061813

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Reg. Location	: Malad West Main Centre	**Reported**	: 26-Feb-2022 / 12:45

IMPRESSION:-

Right ovarian simple cyst.

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 Vivek Singh before dispatch.

Dr.Vivek Singh
MD Radiodiagnosis
Reg No: 2013/03/0388

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R E P O R T

CID	: 2205727667		
Name	: Mrs JYOTI BELGE		
Age / Sex	: 31 Years/Female		
Ref. Dr	:	**Reg. Date**	: 26-Feb-2022 / 12:06
Reg. Location	: Malad West Main Centre	**Reported**	: 26-Feb-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.

Kindly correlate clinically.

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. X ray is known to have inter-observer variations. Further / Follow-up imaging may be needed in some case for confirmation of findings Please interpret accordingly.

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Reg No: 2013/03/0388

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REPORT

CID	: 2205727667		
Name	: MRS.JYOTI BELGE		
Age / Gender	: 31 Years / Female		
Consulting Dr.	: -	**Collected**	: 26-Feb-2022 / 10:08
Reg. Location	: Malad West (Main Centre)	**Reported**	: 26-Feb-2022 / 13:18

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

CBC (Complete Blood Count), Blood

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
RBC PARAMETERS			
Haemoglobin	**11.9**	12.0-15.0 g/dL	Spectrophotometric
RBC	4.30	3.8-4.8 mil/cmm	Elect. Impedance
PCV	36.0	36-46 %	Measured
MCV	83.9	80-100 fl	Calculated
MCH	27.7	27-32 pg	Calculated
MCHC	33.0	31.5-34.5 g/dL	Calculated
RDW	**14.8**	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	5830	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND ABSOLUTE COUNTS			
Lymphocytes	35.3	20-40 %	
Absolute Lymphocytes	2040	1000-3000 /cmm	Calculated
Monocytes	7.5	2-10 %	
Absolute Monocytes	430	200-1000 /cmm	Calculated
Neutrophils	55.1	40-80 %	
Absolute Neutrophils	3180	2000-7000 /cmm	Calculated
Eosinophils	1.8	1-6 %	
Absolute Eosinophils	110	20-500 /cmm	Calculated
Basophils	0.3	0.1-2 %	
Absolute Basophils	20	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

PLATELET PARAMETERS			
Platelet Count	345000	150000-400000 /cmm	Elect. Impedance
MPV	8.7	6-11 fl	Calculated
PDW	14.0	11-18 %	Calculated
RBC MORPHOLOGY			
Hypochromia	-		
Microcytosis	-		

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Consulting Dr.	: -	**Collected**	: 26-Feb-2022 / 10:08
Reg. Location	: Malad West (Main Centre)	**Reported**	: 26-Feb-2022 / 13:27

Macrocytosis	-
Anisocytosis	-
Poikilocytosis	-
Polychromasia	-
Target Cells	-
Basophilic Stippling	-
Normoblasts	-
Others	Normocytic,Normochromic
WBC MORPHOLOGY	-
PLATELET MORPHOLOGY	-
COMMENT	-

Specimen: EDTA Whole Blood

ESR, EDTA WB	**28**	2-20 mm at 1 hr.	Westergren

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

*** End Of Report ***

MC-2111

Dr. AMAR DASGUPTA, MD,PhD
Consultant Hematopathologist
Director - Medical Services

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

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Age / Gender	: 31 Years / Female		
Consulting Dr.	: -	**Collected**	: 26-Feb-2022 / 10:08
Reg. Location	: Malad West (Main Centre)	**Reported**	: 26-Feb-2022 / 14:06

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	90.8	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
GLUCOSE (SUGAR) PP, Fluoride Plasma PP/R	93.5	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	**1.27**	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	**0.50**	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.77	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.0	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.2	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.8	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.5	1 - 2	Calculated
SGOT (AST), Serum	21.2	5-32 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	23.4	5-33 U/L	NADH (w/o P-5-P)
GAMMA GT, Serum	19.5	3-40 U/L	Enzymatic
ALKALINE PHOSPHATASE, Serum	94.9	35-105 U/L	Colorimetric
BLOOD UREA, Serum	22.2	12.8-42.8 mg/dl	Kinetic
BUN, Serum	10.4	6-20 mg/dl	Calculated
CREATININE, Serum	**0.40**	0.51-0.95 mg/dl	Enzymatic
eGFR, Serum	198	>60 ml/min/1.73sqm	Calculated
URIC ACID, Serum	4.5	2.4-5.7 mg/dl	Enzymatic

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CID	: 2205727667		
Name	: MRS.JYOTI BELGE		
Age / Gender	: 31 Years / Female		
Consulting Dr.	: -	**Collected**	: 26-Feb-2022 / 14:21
Reg. Location	: Malad West (Main Centre)	**Reported**	: 26-Feb-2022 / 18:41

Urine Sugar (Fasting)	Absent	Absent
Urine Ketones (Fasting)	Absent	Absent
Urine Sugar (PP)	Absent	Absent
Urine Ketones (PP)	Absent	Absent

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

*** End Of Report ***

ilac-MRA

MC-2111

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

CID	: 2205727667		
Name	: MRS.JYOTI BELGE		
Age / Gender	: 31 Years / Female		
Consulting Dr.	: -	**Collected**	: 26-Feb-2022 / 10:08
Reg. Location	: Malad West (Main Centre)	**Reported**	: 26-Feb-2022 / 16:08

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

GLYCOSYLATED HEMOGLOBIN (HbA1c)

PARAMETER	RESULTS	BIOLOGICAL 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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MC-2111

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

CID	: 2205727667		
Name	: MRS.JYOTI BELGE		
Age / Gender	: 31 Years / Female		
Consulting Dr.	: -	**Collected**	: 26-Feb-2022 / 10:08
Reg. Location	: Malad West (Main Centre)	**Reported**	: 26-Feb-2022 / 19:01

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

EXAMINATION OF FAECES

PARAMETER	RESULTS	BIOLOGICAL REF RANGE
PHYSICAL EXAMINATION		
Colour	Brown	Brown
Form and Consistency	Semi Solid	Semi Solid
Mucus	Absent	Absent
Blood	Absent	Absent
CHEMICAL EXAMINATION		
Reaction (pH)	Acidic (6.5)	-
Occult Blood	Absent	Absent
MICROSCOPIC EXAMINATION		
Protozoa	Absent	Absent
Flagellates	Absent	Absent
Ciliates	Absent	Absent
Parasites	Absent	Absent
Macrophages	Absent	Absent
Mucus Strands	Absent	Absent
Fat Globules	Absent	Absent
RBC/hpf	Absent	Absent
WBC/hpf	Absent	Absent
Yeast Cells	Absent	Absent
Undigested Particles	Present ++	-
Concentration Method (for ova)	No ova detected	Absent
Reducing Substances	-	Absent

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MC-2111

Dr.SHASHIKANT DIGHADE
M.D. (PATH)
Pathologist

CID	: 2205727667		
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Reg. Location	: Malad West (Main Centre)	**Reported**	: 26-Feb-2022 / 18:41

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

URINE EXAMINATION REPORT

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
PHYSICAL EXAMINATION			
Color	Pale yellow	Pale Yellow	-
Reaction (pH)	5.0	4.5 - 8.0	Chemical Indicator
Specific Gravity	1.005	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
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	6-8	Less than 20/hpf	
Others	-		

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*** End Of Report ***

MC-2111

M Jain

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

CID	: 2205727667		
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Age / Gender	: 31 Years / Female		
Consulting Dr.	: -	**Collected**	: 26-Feb-2022 / 10:08
Reg. Location	: Malad West (Main Centre)	**Reported**	: 26-Feb-2022 / 14:56

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

PARAMETER	RESULTS
ABO GROUP	AB
Rh TYPING	POSITIVE

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

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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MC-2111

Dr.SHASHIKANT DIGHADE
M.D. (PATH)
Pathologist

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Reg. Location	: Malad West (Main Centre)	**Reported**	: 26-Feb-2022 / 14:10

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

LIPID PROFILE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
CHOLESTEROL, Serum	106.4	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	Enzymatic
TRIGLYCERIDES, Serum	61.9	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Enzymatic
HDL CHOLESTEROL, Serum	48.2	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Enzymatic
NON HDL CHOLESTEROL, Serum	58.2	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	46.0	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	12.2	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	2.2	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	1.0	0-3.5 Ratio	Calculated

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*** End Of Report ***

MC-2111

Dr.JYOT THAKKER
M.D. (PATH), DPB
Pathologist & AVP(Medical Services)

CID	: 2205727667		
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Age / Gender	: 31 Years / Female		
Consulting Dr.	: -	**Collected**	: 26-Feb-2022 / 10:08
Reg. Location	: Malad West (Main Centre)	**Reported**	: 26-Feb-2022 / 15:42

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

THYROID FUNCTION TESTS

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Free T3, Serum	**43.6**	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	**More than 100.0**	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	**Less than 0.005**	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

Result rechecked.
Kindly correlate clinically.

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Reg. Location	: Malad West (Main Centre)	**Reported**	: 26-Feb-2022 / 15:42

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

Clinical Significance:
1)TSH Values between 5.5 to 15 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: 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.

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)

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*** End Of Report ***

MC-2111

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M.D.(PATH)
Consultant Pathologist & Lab Director