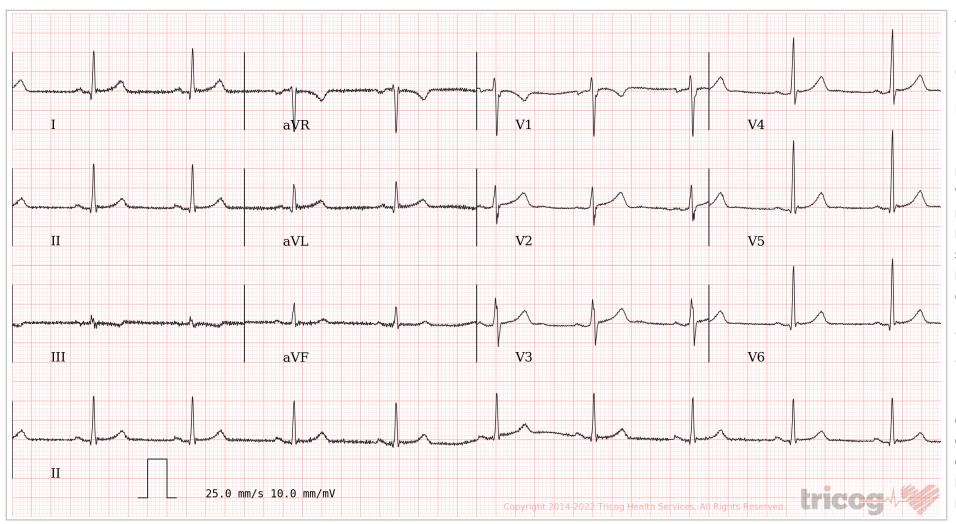
# SUBURBAN DIAGNOSTICS

### SUBURBAN DIAGNOSTICS - LULLANAGAR, PUNE

Patient Name: PAWAR ASHISH C Date and Time: 4th Jul 22 11:09 AM

Patient ID: 2218501507



Age 36 NA 5 years months days

Gender Male

Heart Rate 58bpm

#### **Patient Vitals**

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

#### Measurements

QRSD: 82ms QT: 428ms

QTc: 420ms

PR: 150ms

P-R-T: 40° 33° 24°

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

REPORTED BY

Dr.Milind Shinde MBBS, DNB Medicine 2011/05/1544

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.



Name : Mr PAWAR ASHISH C

Age / Sex : 36 Years/Male

Ref. Dr :

**Reg. Location**: Lulla Nagar, Pune Main Centre

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**Reported** : 04-Jul-2022/11:37

#### <u>USG (ABDOMEN + PELVIS)</u>

**LIVER**: The liver is normal in size, shape and smooth margins.

It shows raised parenchymal echo pattern s/o grade I fatty infiltration.

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.

The visualized gall bladder appears normal. No evidence of pericholecystic fluid is seen.

**PANCREAS**: The pancreas is well visualised and appears normal.

No evidence of solid or cystic mass lesion is noted.

**KIDNEYS**: Right kidney measures 9.4 x 3.6 cm. Left kidney measures 9.7 x 5.6 cm.

Both the kidneys are normal in size, shape and echotexture.

No evidence of any calculus, hydronephrosis or mass lesion seen.

**SPLEEN:** The spleen is normal in size, shape and echotexture. No evidence of focal lesion is noted.

**URINARY BLADDER**: The urinary bladder is well distended. It shows thin walls and sharp mucosa.

No evidence of calculus is noted. No mass or diverticulum is seen.

**PROSTATE**: The prostate is normal in size and echotexture.

P.T.O



Name : Mr PAWAR ASHISH C

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Visualized small bowel loops appear non-dilated. Gaseous distension of large bowel loops. There is no evidence of any lymphadenopathy or ascitis.

#### **IMPRESSION**:

Grade I fatty liver.

Advice - Clinical and lab correlation.

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

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

Dr. PALLAVI RAWAL MBBS, MD Radiology Reg No 2013/04/1170



Name : Mr PAWAR ASHISH C

Age / Sex : 36 Years/Male

Ref. Dr

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#### 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 Pallavi before dispatch.





Name : Mr PAWAR ASHISH C

Age / Sex : 36 Years/Male

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Name : MR. PAWAR ASHISH C

Age / Gender : 36 Years / Male

Consulting Dr. : -

Reg. Location : Lulla Nagar, Pune (Main Centre)



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Collected

Reported

:04-Jul-2022 / 12:23

#### **AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**

CBC (Complete Blood Count), Blood			
<u>PARAMETER</u>	<u>RESULTS</u>	<b>BIOLOGICAL REF RANGE</b>	<u>METHOD</u>
RBC PARAMETERS			
Haemoglobin	14.9	13.0-17.0 g/dL	Spectrophotometric
RBC	4.70	4.5-5.5 mil/cmm	Elect. Impedance
PCV	44.2	40-50 %	Calculated
MCV	94	80-100 fl	Calculated
MCH	31.6	27-32 pg	Calculated
MCHC	33.6	31.5-34.5 g/dL	Calculated
RDW	13.0	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	6400	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND ABS	OLUTE COUNTS		
Lymphocytes	42.0	20-40 %	
Absolute Lymphocytes	2688.0	1000-3000 /cmm	Calculated
Monocytes	6.0	2-10 %	
Absolute Monocytes	384.0	200-1000 /cmm	Calculated
Neutrophils	48.1	40-80 %	
Absolute Neutrophils	3078.4	2000-7000 /cmm	Calculated
Eosinophils	3.5	1-6 %	
Absolute Eosinophils	224.0	20-500 /cmm	Calculated
Basophils	0.4	0.1-2 %	
Absolute Basophils	25.6	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

#### **PLATELET PARAMETERS**

Platelet Count	189000	150000-400000 /cmm	Elect. Impedance
MPV	9.0	6-11 fl	Calculated
PDW	17.3	11-18 %	Calculated

#### **RBC MORPHOLOGY**

Hypochromia	-
Microcytosis	_

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Name : MR. PAWAR ASHISH C

: 36 Years / Male Age / Gender

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Macrocytosis

Anisocytosis

Poikilocytosis

Polychromasia

**Target Cells** 

Basophilic Stippling

Normoblasts

Others Normocytic, Normochromic

**WBC MORPHOLOGY** 

PLATELET MORPHOLOGY

**COMMENT** 

Specimen: EDTA Whole Blood

ESR, EDTA WB 2-15 mm at 1 hr. Westergren

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Pune Lab, Pune Swargate \*\*\* End Of Report \*\*\*







THEMONETAL Dr.SHAMLA KULKARNI MD (PATH)

**Consultant Pathologist** 

ADDRESS: 2nd Floor, Aston, Sundervan Complex, Above Mercedes Showroom, Andheri West - 400053

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE			
<u>PARAMETER</u>	<u>RESULTS</u>	<b>BIOLOGICAL REF RANGE</b>	<u>METHOD</u>
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	98.6	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	0.81	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.27	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.54	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.2	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.9	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.3	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	2.1	1 - 2	Calculated
SGOT (AST), Serum	25.2	5-40 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	23.2	5-45 U/L	NADH (w/o P-5-P)
GAMMA GT, Serum	34.7	3-60 U/L	Enzymatic
ALKALINE PHOSPHATASE, Serum	89.9	40-130 U/L	Colorimetric
BLOOD UREA, Serum	25.4	12.8-42.8 mg/dl	Kinetic
BUN, Serum	11.9	6-20 mg/dl	Calculated
CREATININE, Serum	0.79	0.67-1.17 mg/dl	Enzymatic
eGFR, Serum	118	>60 ml/min/1.73sqm	Calculated
URIC ACID, Serum	5.7	3.5-7.2 mg/dl	Enzymatic
Urine Sugar (Fasting)	Absent	Absent	
Urine Ketones (Fasting)	Absent	Absent	







\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Pune Lab, Pune Swargate

mashield **Dr.SHAMLA KULKARNI** M.D.(PATH) **Pathologist** 

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Name : MR. PAWAR ASHISH C

Age / Gender : 36 Years / Male

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: 04-Jul-2022 / 10:57 :04-Jul-2022 / 15:09

**HPLC** 

#### **AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE GLYCOSYLATED HEMOGLOBIN (HbA1c)**

#### **BIOLOGICAL REF RANGE PARAMETER RESULTS** METHOD

Glycosylated Hemoglobin 5.5 Non-Diabetic Level: < 5.7 %

Prediabetic Level: 5.7-6.4 %

Diabetic Level: >/= 6.5 %

Estimated Average Glucose 111.2 mg/dl Calculated

(eAG), EDTA WB - CC

(HbA1c), EDTA WB - CC

#### 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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# **AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**

#### URINE EXAMINATION REPORT **RESULTS BIOLOGICAL REF RANGE PARAMETER METHOD** PHYSICAL EXAMINATION Color Yellow Pale Yellow Reaction (pH) 4.5 - 8.0 Acidic (5.0) Chemical Indicator Specific Gravity 1.010 1.001-1.030 Chemical Indicator Transparency Clear Clear Volume (ml) 50 **CHEMICAL EXAMINATION Proteins** Absent Absent pH Indicator **GOD-POD** Glucose Absent Absent Ketones Absent Absent Legals Test Blood **Absent Absent** Peroxidase Bilirubin Diazonium Salt Absent Absent Urobilinogen Normal Normal Diazonium Salt **Griess Test Nitrite** Absent Absent **MICROSCOPIC EXAMINATION** Leukocytes(Pus cells)/hpf 0-1 0-5/hpf Red Blood Cells / hpf Absent 0-2/hpf Epithelial Cells / hpf 1-2 Casts Absent Absent

**Absent** 

Absent

Less than 20/hpf

Absent

Absent

2-3



Crystals

Amorphous debris

Bacteria / hpf





**Dr.GOURAV AGRAWAL** DCP, DNB (Path) **Pathologist** 

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Name : MR. PAWAR ASHISH C

Age / Gender : 36 Years / Male

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

**RESULTS PARAMETER** 

**ABO GROUP** Α

Rh TYPING Positive

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

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:

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

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#### **AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE** LIPID PROFILE

<u>PARAMETER</u>	RESULTS	BIOLOGICAL REF RANGE	<u>METHOD</u>
CHOLESTEROL, Serum	157.1	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	CHOD-POD
TRIGLYCERIDES, Serum	48.3	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	42.6	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Homogeneous enzymatic colorimetric assay
NON HDL CHOLESTEROL, Serum	114.5	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/d High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated l
LDL CHOLESTEROL, Serum	105.0	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	9.5	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	3.7	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO,	2.5	0-3.5 Ratio	Calculated







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Free T3, Serum

CID : 2218501507

Name : MR.PAWAR ASHISH C

Age / Gender : 36 Years / Male

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**CMIA** 

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2.6-5.7 pmol/L

# AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE THYROID FUNCTION TESTS

PARAMETER RESULTS BIOLOGICAL REF RANGE METHOD

4.2

Free T4, Serum 11.8 9-19 pmol/L CMIA

Kindly note change in reference range and method w.e.f. 16/08/2019

Kindly note change in reference range and method w.e.f. 16/08/2019

sensitiveTSH. Serum 1.34 0.35-4.94 microIU/ml CMIA

Kindly note change in reference range and method w.e.f. 16/08/2019. NOTE: 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 transiently altered because of non thyroidal illness like severe infections, liver disease, renal & heart failure, severe burns, trauma & surgery etc.

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Name : MR.PAWAR ASHISH C

Age / Gender : 36 Years / Male

Consulting Dr. : - Collected : 04-Jul-2022 / 10:57

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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 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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