

PHYSICAL EXAMINATION REPORT

Patient Name	Umesh R Ghate	Sex/Age	Male
Date	21/10/2024	Location	Neral,

History and Complaints

C/o - HTN (1 Month) - con & off) ↑ B.P. No Rx.
H/o - Recurrent kidney stones.
- Piles (con & off)

EXAMINATION FINDINGS:

Height (cms):	=	Temp (0c):	Ⓜ
Weight (kg):	=	Skin:	NAD
Blood Pressure	130/90	Nails:	
Pulse	76/min	Lymph Node:	

Systems :

Cardiovascular:

Respiratory:

Genitourinary:

GI System:

CNS:

Impression:

BSL (+) - Impaired. ↑ TG's. TSH (0.9)

Advice:

Low fat, Low sugar Diet
Repeat Sugar Profile, Lipid Profile,
Thyroid Profile (6 Months)

1)	Hypertension:	ye &	(1) Month
2)	IHD		
3)	Arrhythmia		
4)	Diabetes Mellitus		
5)	Tuberculosis		
6)	Asthama		Nil
7)	Pulmonary Disease		
8)	Thyroid/ Endocrine disorders		
9)	Nervous disorders		
10)	GI system		
11)	Genital urinary disorder		w/o - Recurrent Kidney stones
12)	Rheumatic joint diseases or symptoms		Nil
13)	Blood disease or disorder		
14)	Cancer/lump growth/cyst		Lipoma on chest
15)	Congenital disease		Nil
16)	Surgeries		For Lipoma on chest
17)	Musculoskeletal System		Nil

PERSONAL HISTORY:

1)	Alcohol		occ
2)	Smoking		(No)
3)	Diet		Mixed
4)	Medication		Tab. Metofo

[Signature]
Dr. Manasee Kulkarni
M.B.B.S
2005/09/3439



CID : 2429500779
Name : MR.UMESH RAJAN GHATE
Age / Gender : 32 Years / Male
Consulting Dr. : -
Reg. Location : G B Road, Thane West (Main Centre)

Collected : 21-Oct-2024 / 09:32
Reported : 21-Oct-2024 / 12:42

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

CBC (Complete Blood Count), Blood

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
RBC PARAMETERS			
Haemoglobin	16.8	13.0-17.0 g/dL	Spectrophotometric
RBC	6.14	4.5-5.5 mil/cmm	Elect. Impedance
PCV	50.4	40-50 %	Measured
MCV	82.1	80-100 fl	Calculated
MCH	27.4	27-32 pg	Calculated
MCHC	33.3	31.5-34.5 g/dL	Calculated
RDW	12.6	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	7430	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND ABSOLUTE COUNTS			
Lymphocytes	31.3	20-40 %	
Absolute Lymphocytes	2325.6	1000-3000 /cmm	Calculated
Monocytes	4.6	2-10 %	
Absolute Monocytes	341.8	200-1000 /cmm	Calculated
Neutrophils	62.7	40-80 %	
Absolute Neutrophils	4658.6	2000-7000 /cmm	Calculated
Eosinophils	1.2	1-6 %	
Absolute Eosinophils	89.2	20-500 /cmm	Calculated
Basophils	0.2	0.1-2 %	
Absolute Basophils	14.9	20-100 /cmm	Calculated
Immature Leukocytes	-		
WBC Differential Count by Absorbance & Impedance method/Microscopy.			
PLATELET PARAMETERS			
Platelet Count	236000	150000-400000 /cmm	Elect. Impedance
MPV	9.4	6-11 fl	Calculated
PDW	14.9	11-18 %	Calculated
RBC MORPHOLOGY			
Hypochromia	-		
Microcytosis	-		



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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-ESR 5 2-15 mm at 1 hr. Sedimentation

Clinical Significance: The erythrocyte sedimentation rate (ESR), also called a sedimentation rate is the rate red blood cells sediment in a period of time.

Interpretation:

Factors that increase ESR: Old age, Pregnancy, Anemia

Factors that decrease ESR: Extreme leukocytosis, Polycythemia, Red cell abnormalities- Sick cell disease

Limitations:

- It is a non-specific measure of inflammation.
- The use of the ESR as a screening test in asymptomatic persons is limited by its low sensitivity and specificity.

Reflex Test: C-Reactive Protein (CRP) is the recommended test in acute inflammatory conditions.

Reference:

- Pack Insert
- Brigden ML. Clinical utility of the erythrocyte sedimentation rate. American family physician. 1999 Oct 1;60(5):1443-50.

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

*** End Of Report ***

Dr. IMRAN MUJAWAR
M.D (Path)
Pathologist



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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
GLUCOSE (SUGAR) FASTING, Fluoride Plasma Fasting	102.5	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >= 126 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	0.64	0.1-1.2 mg/dl	Diazo
BILIRUBIN (DIRECT), Serum	0.26	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.38	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.7	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	5.2	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.5	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	2.1	1 - 2	Calculated
SGOT (AST), Serum	15.6	5-40 U/L	UV with P5P IFCC
SGPT (ALT), Serum	14.2	5-45 U/L	UV with P5P IFCC
GAMMA GT, Serum	16.0	3-60 U/L	IFCC
ALKALINE PHOSPHATASE, Serum	70.1	40-130 U/L	PNPP
BLOOD UREA, Serum	12.7	12.8-42.8 mg/dl	Urease & GLDH
BUN, Serum	5.9	6-20 mg/dl	Calculated
CREATININE, Serum	1.05	0.67-1.17 mg/dl	Enzymatic
eGFR, Serum	97	(ml/min/1.73sqm) Normal or High: Above 90 Mild decrease: 60-89 Mild to moderate decrease: 45-59 Moderate to severe decrease: 30-44 Severe decrease: 15-29 Kidney failure: <15	Calculated



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Note: eGFR estimation is calculated using 2021 CKD-EPI GFR equation

URIC ACID, Serum 6.4 3.5-7.2 mg/dl Uricase

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*** End Of Report ***

J. Mujawar
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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE
GLYCOSYLATED HEMOGLOBIN (HbA1c)

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Glycosylated Hemoglobin (HbA1c), EDTA WB - CC	5.0	Non-Diabetic Level: < 5.7 % Prediabetic Level: 5.7-6.4 % Diabetic Level: >/= 6.5 %	HPLC
Estimated Average Glucose (eAG), EDTA WB - CC	96.8	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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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE
URINE EXAMINATION REPORT

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
<u>PHYSICAL EXAMINATION</u>			
Color	Pale yellow	Pale Yellow	-
Transparency	Slight hazy	Clear	-
<u>CHEMICAL EXAMINATION</u>			
Specific Gravity	1.020	1.010-1.030	Chemical Indicator
Reaction (pH)	Acidic (5.5)	4.5 - 8.0	Chemical Indicator
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
<u>MICROSCOPIC EXAMINATION</u>			
(WBC)Pus cells / hpf	1-2	0-5/hpf	
Red Blood Cells / hpf	Absent	0-2/hpf	
Epithelial Cells / hpf	1-2	0-5/hpf	
Hyaline Casts	Absent	Absent	
Pathological cast	Absent	Absent	
Calcium oxalate monohydrate crystals	Absent	Absent	
Calcium oxalate dihydrate crystals	Absent	Absent	
Triple phosphate crystals	Absent	Absent	
Uric acid crystals	Absent	Absent	
Amorphous debris	Absent	Absent	
Bacteria / hpf	3-4	0-20/hpf	
Yeast	Absent	Absent	
Others	-		



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

<u>PARAMETER</u>	<u>RESULTS</u>
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.

References:

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 ***

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

LIPID PROFILE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
CHOLESTEROL, Serum	174.7	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	CHOD-POD
TRIGLYCERIDES, Serum	169.6	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	45.9	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Homogeneous enzymatic colorimetric assay
NON HDL CHOLESTEROL, Serum	128.8	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	95.0	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	33.8	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	3.8	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	2.1	0-3.5 Ratio	Calculated

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

J. Mujawar

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE
THYROID FUNCTION TESTS

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
Free T3, Serum	5.6	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	17.3	11.5-22.7 pmol/L	ECLIA
sensitiveTSH, Serum	0.998	0.35-5.5 microU/ml microU/ml	ECLIA



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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 becuae 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)

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*** End Of Report ***

J. Mujawar

Dr.IMRAN MUJAWAR
M.D (Path)
Pathologist



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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE
FUS and KETONES

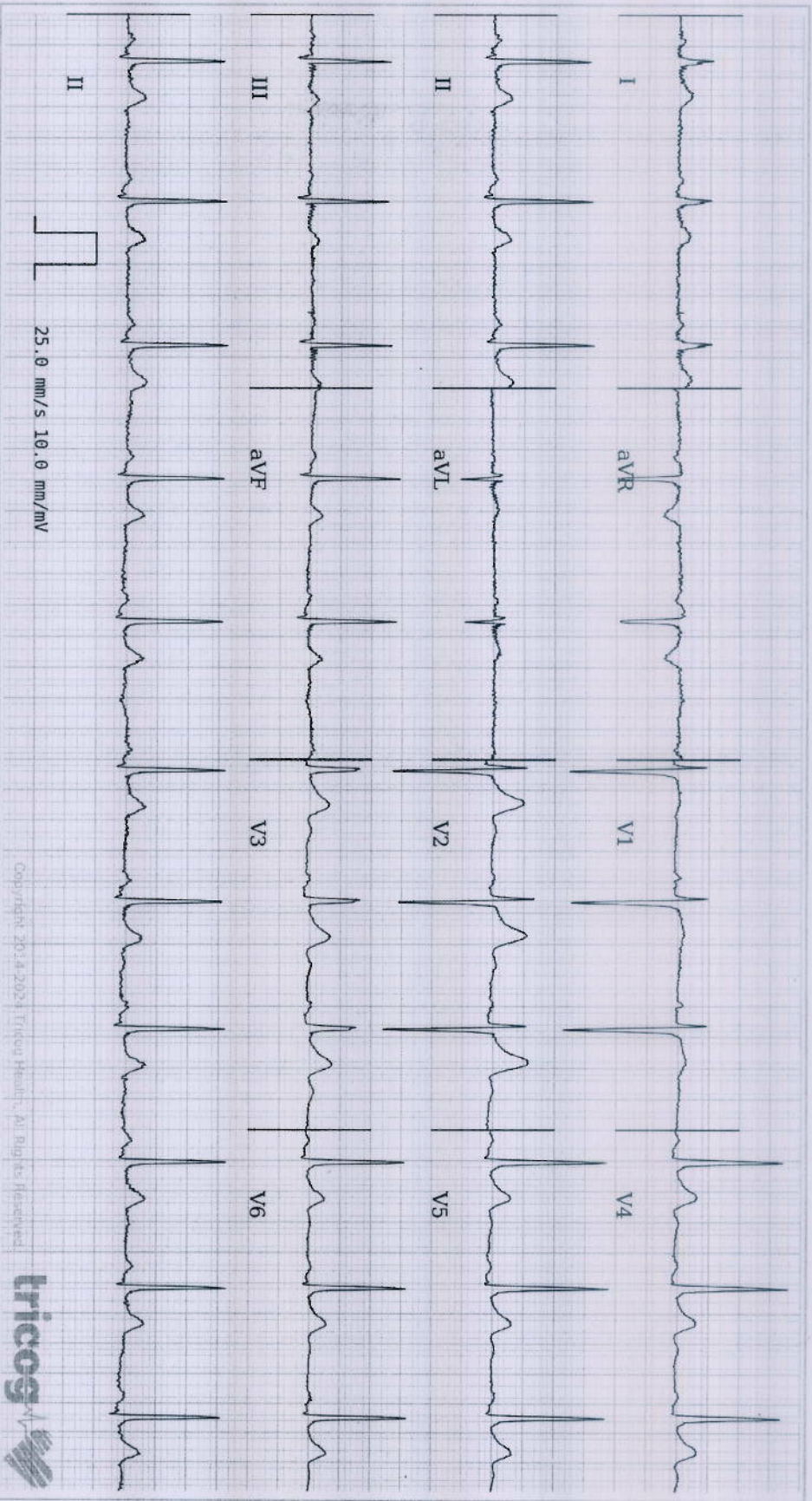
<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
Urine Sugar (Fasting)	Absent	Absent	
Urine Ketones (Fasting)	Absent	Absent	

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*** End Of Report ***

Vandana Kulkarni
Dr.VANDANA KULKARNI
M.D (Path)
Pathologist

Patient Name: **UMESH RAJAN GHATE**
Patient ID: **2429500779**

Date and Time: **21st Oct 24 12:05 PM**



Age **32** NA NA
years months days

Gender **Male**

Heart Rate **68bpm**

Patient Vitals

BP: NA

Weight: NA

Height: NA

Pulse: NA

Spo2: NA

Resp: NA

Others:

Measurements

QRSD: 86ms

QT: 364ms

QTcB: 387ms

PR: 146ms

P-R-T: 42° 71° 46°

ECG Within Normal Limits: Early repolarization with an ascending ST segment, Sinus Rhythm. Please correlate clinically.

REPORTED BY

DR SHAILAJA PILLAI
MBBS, MD Physician
MD Physician
499972

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.





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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-----

Dr Gauri Varma
Consultant Radiologist
MBBS / DMRE
MMC- 2007/12/4113

Click here to view images <http://3.111.232.119/iRISViewer/NeoradViewer?AccessionNo=2024102109282407>



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USG WHOLE ABDOMEN

EXCESSIVE BOWEL GAS:

LIVER: Liver appears normal in size and echotexture. 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: Pancreas appears normal in echotexture. There is no evidence of any focal lesion or calcification. Pancreatic duct is not dilated.

KIDNEYS: Right kidney measures 9.2 x 4.3 cm. Left kidney measures 10.2 x 4.7 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.

PROSTATE: Prostate is normal in size and echotexture and measures 2.6 x 2.7 x 3.6 cm in dimension and 14 cc in volume. No evidence of any focal lesion. Median lobe does not show significant hypertrophy.

No free fluid or significant lymphadenopathy is seen.

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IMPRESSION: USG ABDOMEN IS WITHIN NORMAL LIMITS.

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.

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

Dr Gauri Varma
Consultant Radiologist
MBBS / DMRE
MMC- 2007/12/4113

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REG NO. : 2429500779	SEX : MALE
NAME : MR. UMESH RAJAN GHATE	AGE : 32 YRS
REF BY : -----	DATE: 21.10.2024

2D ECHOCARDIOGRAPHY

M – MODE FINDINGS :

LEFT VENTRICLE :

LVIDD	45.1	mm
LVIDS	29.4	mm
LVEF	64	%
FS	34	%
IVS	9.5	mm
PW	9.5	mm

AORTIC VALVE :

LADd	22.8	mm
AODd	26.6	mm
ACS	10.4	mm

Pulmonary valve study : Normal

1. RA.RV.LA.LV. Sizes are :Normal
2. Left ventricular contractility : Normal
Regional wall motion abnormality : Absent.
Systolic thickening : Normal
3. Mitral, tricuspid , aortic , pulmonary valves are : Normal
No significant mitral valve prolapse.
4. Great arteries : Aorta and pulmonary artery are : Normal
5. Inter – arterial and inter – ventricular septum are intact normal.
6. Pulmonary veins , IVC , hepatic veins are normal.
7. No pericardial effusion . No intracardiac clots or vegetation.
8. No evidence of pulmonary hypertension.
9. CD/PWd/CWd studies :
 1. Normal Flow and gradient across all the valves.
 2. No shunt / coarctation.
 3. No pulmonary hypertension.

IMPRESSION :

- **ALL CHAMBER DIMANSIONS ARE NORMAL.**
- **NO REGIONAL WALL MOTION ABNORMALITY AT REST.**
- **NORMAL LV SYSTOLIC AND DIASTOLIC FUNCTION.LVEF=64%**
- **NORMAL RV SYSTOLIC FUNCTION.**
- **NO PULMONARY HYPERTENSION.**
- **ALL VALVES ARE NORMAL.**

S.C. DEY

DR. S.C. DEY
M.D, D.M.
(CARDIOLOGIST)

Date: 21/10/24

CID: 242850079

Name: Unesh Rajan,
Chate.

Sex / Age: M-32

EYE CHECK UP

Chief complaints: RCU

Systemic Diseases: Nil

Past history: Nil

Unaided Vision: 13/60/6 x 10/20/6

Aided Vision:

Refraction:

(Right Eye)

(Left Eye)

	Sph	Cyl	Axis	Vn	Sph	Cyl	Axis	Vn
Distance								
Near								

Colour Vision: Normal / Abnormal *Perceptible*

Remark: *Normal Vision*

MR. PRAKASH KUDVA
[Signature]
SR. OPTOMETRIST