





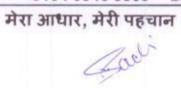
सचिन सुशील तिवारी SACHIN SUSHIL TIWARI जन्म तिथि / DOB: 01/06/1986

TOT / MALE

Mobile No.: 9022095789



9154 0946 8869





REPORT

PHYSICAL EXAMINATION REPORT

Mr. Sachin	Tiwari	Sex/Age	male 138ts.
		Location	KASARVADAVALI
TION FINDINGS:			
169 are	Temp (0c):	NOR	ulst
7/100	Skin:	HOR	iar
12 17 5	Nails:	Hopu	AL
48/m	Lymph Node:	nea	ndy
ar: Keopinsi			
Sugarke			
y: hornha			
hopense			
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:			
	10.08.24 d Complaints FION FINDINGS: 169 at 71 1 by 120 170 48/m 48/m hoping ry: hoping hoping hoping	TION FINDINGS: 69 or Temp (0c): 7 1 cof Skin: re 120 70 Nails: Lymph Node: 48/m Node: 48/m Node: 48/m Node:	TION FINDINGS: 169 or Temp (Oc): Norm 7 100 Skin: Hope 120 70 Nails: Hope 18/m Node: Norm worker worker worker worker horense



ADVICE:

to the Law 18AT DIE & TO MONTIOR LIPID PRAFILE

Sprin

CHIE	CF COMPLAINTS:	Arow
1)	Hypertension:	DR. ANAND N. MOTWAN M.D. (GENERAL MEDICINE
2)	IHD	Reg. No. 39329 (M.M.C)
3)	Arrhythmia	Diagnostic
4)	Diabetes Mellitus	S Kessen
5)	Tuberculosis	Thano (W)
6)	Asthma	* 101
7)	Pulmonary Disease	
8)	Thyroid/ Endocrine disorders	
9)	Nervous disorders	\ N1.1
10)	GI system	
11)	Genital urinary disorder	
12)	Rheumatic joint diseases or symptom	
13)	Blood disease or disorder	
14)	Caucer/lump growth/cyst	
15)	Congenital disease	
16)	Surgeries	
PEF	SONAL HISTORY:	
1)	Alcohol	Occasioncelly No
2)	Smoking	No
3)	Diet	Mixed most yveg.
4)	Medication	Mil



Date: 10.08.24

R

E

Sex/Age: male 13845.

Name: Mr. Sachin Tiwani

EYE CHECK UP

Chief Complaints:

Mil

Systemic Diseases:

MI

Past History:

Nil

Unaided Vision:

Rt- N6, 619 Lt- N6, 619

Aided Vision:

Refraction:

Hormal

Colour Vision:

Remarks:

SUBURBAN DIAGNOSTICS - THANE KASARAVADAVALI

SUBURBAN DE LI CE STERENTINO HEALTHIER LIVING

Patient Name: SACHIN TIWARI Patient ID: 2422323635

Date and Time: 10th Aug 24 9:45 AM

H aVR aVF aVL V2 V3 V4 V5 V6 Height Weight: Others Resp: Spo2: Pulse: BP: PR: QTcB QT. QRSD:

Age 38 NA NA years months days

Gender Male

Heart Rate 46bpm

Patient Vitals

P: 120/70 mmHg

ight: 71 kg ight: 169 cm

ilse: NA 002: NA

Measurements

ρRSD: 94ms ρΤ: 408ms

cB: 357ms : 174ms

P-R-T

62° 45° 30°

ECG Within Normal Limits: Sinus Bradycardia Early repolarization pattern with an ascending ST segment in few leads Otherwise. Please correlate clinically.

25.0 mm/s 10.0 mm/mV

REPORTED BY

Auras

Dr. Anand N Motwani M.D (General Medicine) Reg No 39329 M.M.C





CID

: 2422323635

Name

: Mr SACHIN TIWARI

Age / Sex

: 38 Years/Male

Ref. Dr Reg. Location .

: Thane Kasarvadavali Main Centre

Reg. Date Reported Use a QR Code Scanner Application To Scan the Cod[®] R

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Date : 10-Aug-2024

: 10-Aug-2024 / 10:04

USG ABDOMEN AND PELVIS

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: Visualised pancreas appears normal in echotexture. There is no evidence of any focal lesion or calcification. Pancreatic duct is not dilated.

KIDNEYS: Right kidney measures 10.1 x 4.5 cm. Left kidney measures 10.8 x 5.0 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, normal echotexture and measures 3.0 x 4.1 x 2.9 cm in dimension and 19.2 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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: 10-Aug-2024

Reg. Date Reported

Ref. Dr Reg. Location

: 2422323635

: 38 Years/Male

: Mr SACHIN TIWARI

CID

Name

Age / Sex

: Thane Kasarvadavali Main Centre

IMPRESSION: NO SIGNIFICANT ABNORMALITY IS DETECTED.

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 interobserver variations. Further/follow-up imaging may be needed in some cases for confirmation / exclusion of diagnosis.

End of Report-

G. R. Forte Dr.GAURAV FARTADE MBBS, DMRE Reg No -2014/04/1786 Consultant Radiologist

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CID

: 2422323635

Name

: Mr SACHIN TIWARI

Age / Sex

: 38 Years/Male

Ref. Dr

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Reg. Location

: Thane Kasarvadavali Main Centre

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: 10-Aug-2024

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: 10-Aug-2024 / 9:26

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-----

G. R. F. Le Dr. GAURAV FARTADE

MBBS, DMRE

Reg No -2014/04/1786

Consultant Radiologist

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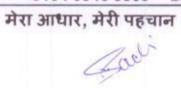
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Age / Sex

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Ref. Dr Reg. Location .

: Thane Kasarvadavali Main Centre

Reg. Date Reported Use a QR Code Scanner Application To Scan the Cod[®] R

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: Mr SACHIN TIWARI : 38 Years/Male

: 2422323635

Ref. Dr Reg. Location

CID

Name

Age / Sex

: Thane Kasarvadavali Main Centre

Reg. Date Reported

: 10-Aug-2024 : 10-Aug-2024 / 10:04

IMPRESSION:

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G. R. Forte Dr.GAURAV FARTADE MBBS, DMRE Reg No -2014/04/1786 Consultant Radiologist

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Name

: Mr SACHIN TIWARI

Age / Sex

Reg. Location

: 38 Years/Male

Ref. Dr

: Thane Kasarvadavali Main Centre

Reg. Date Reported

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: 10-Aug-2024 / 9:26

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. GAURAV FARTADE

G. R. Fank

MBBS, DMRE

Reg No -2014/04/1786

Consultant Radiologist

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PARAMETER

CID : 2422323635

Name : MR.SACHIN TIWARI

:38 Years / Male Age / Gender

Consulting Dr. Collected Reported :10-Aug-2024 / 14:31 : Thane Kasarvadavali (Main Centre) Reg. Location

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:10-Aug-2024 / 08:56

METHOD

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

CBC (Complete Blo	ood Count), Blood
<u>RESULTS</u>	BIOLOGICAL REF RANGE

			
RBC PARAMETERS			
Haemoglobin	13.9	13.0-17.0 g/dL	Spectrophotometric
RBC	4.95	4.5-5.5 mil/cmm	Elect. Impedance
PCV	41.0	40-50 %	Measured
MCV	82.8	80-100 fl	Calculated
MCH	28.2	27-32 pg	Calculated
MCHC	34.0	31.5-34.5 g/dL	Calculated
RDW	11.6	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	4610	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND A	ABSOLUTE COUNTS		
Lymphocytes	37.4	20-40 %	
Absolute Lymphocytes	1724.1	1000-3000 /cmm	Calculated

MRC DIFFERENTIAL AND A	ABSOLUTE COUNTS
Lymphocytes	37.4
Absolute Lymphocytes	1724.1

Monocytes 2-10 % 8.5 Absolute Monocytes 391.9 200-1000 /cmm Calculated Neutrophils 52.0 40-80 % Absolute Neutrophils 2397.2 2000-7000 /cmm Calculated

Eosinophils 2.1 1-6 % Absolute Eosinophils 96.8 20-500 /cmm Calculated

Basophils 0.0 0.1-2 %

Absolute Basophils 20-100 /cmm Calculated 0.0 Immature Leukocytes

WBC Differential Count by Absorbance & Impedance method/Microscopy.

PLATELET PARAMETERS

Platelet Count	267000	150000-400000 /cmm	Elect. Impedance
MPV	7.6	6-11 fl	Calculated
PDW	10.9	11-18 %	Calculated

RBC MORPHOLOGY

Hypochromia Microcytosis



Name : MR.SACHIN TIWARI

Age / Gender : 38 Years / Male

Consulting Dr. : - Collected : 10-Aug-2024 / 08:56

Reg. Location : Thane Kasarvadavali (Main Centre) Reported : 10-Aug-2024 / 12:52

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- Sickle 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)

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Pathologist

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Name : MR.SACHIN TIWARI

Age / Gender : 38 Years / Male

Consulting Dr. : -

Reg. Location

: Thane Kasarvadavali (Main Centre)

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Reported :10-Aug-2024 / 15:00

Collected

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
GLUCOSE (SUGAR) FASTING, Fluoride Plasma Fasting	94.5	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
GLUCOSE (SUGAR) PP, Fluoride Plasma PP	78.8	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	0.62	0.3-1.2 mg/dl	Vanadate oxidation
BILIRUBIN (DIRECT), Serum	0.21	0-0.3 mg/dl	Vanadate oxidation
BILIRUBIN (INDIRECT), Serum	0.41	<1.2 mg/dl	Calculated
TOTAL PROTEINS, Serum	6.7	5.7-8.2 g/dL	Biuret
ALBUMIN, Serum	4.3	3.2-4.8 g/dL	BCG
GLOBULIN, Serum	2.4	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.8	1 - 2	Calculated
SGOT (AST), Serum	22.2	<34 U/L	Modified IFCC
SGPT (ALT), Serum	24.1	10-49 U/L	Modified IFCC
GAMMA GT, Serum	15.6	<73 U/L	Modified IFCC
ALKALINE PHOSPHATASE, Serum	70.1	46-116 U/L	Modified IFCC
BLOOD UREA, Serum	16.2	19.29-49.28 mg/dl	Calculated
BUN, Serum	7.6	9.0-23.0 mg/dl	Urease with GLDH
CREATININE, Serum	0.76	0.73-1.18 mg/dl	Enzymatic



CID : 2422323635

Name : MR.SACHIN TIWARI

Age / Gender :38 Years / Male

Consulting Dr.

Reg. Location

eGFR, Serum

: Thane Kasarvadavali (Main Centre)

Collected

Reported

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:10-Aug-2024 / 15:00

Calculated

118 (ml/min/1.73sqm)

Normal or High: Above 90 Mild decrease: 60-89

Mild to moderate decrease: 45-

Moderate to severe decrease:30

-44

Severe decrease: 15-29 Kidney failure:<15

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

URIC ACID, Serum 5.7 3.7-9.2 mg/dl

Uricase/ Peroxidase

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

> Dr.IMRAN MUJAWAR M.D (Path) **Pathologist**

> > Page 4 of 17



Name : MR.SACHIN TIWARI

Age / Gender : 38 Years / Male

Consulting Dr. : - Collected : 10-Aug-2024 / 08:56

Reg. Location : Thane Kasarvadavali (Main Centre) Reported : 10-Aug-2024 / 14:26

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

PARAMETER RESULTS BIOLOGICAL REF RANGE METHOD

Glycosylated Hemoglobin 5.3 Non-Diabetic Level: < 5.7 % HPLC (HbA1c), EDTA WB - CC Prediabetic Level: 5.7-6.4 %

Prediabetic Level: 5.7-6.4 % Diabetic Level: >/= 6.5 %

Estimated Average Glucose 105.4 mg/dl Calculated

(eAG), 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.

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

Dr.IMRAN MUJAWAR M.D (Path)

Pathologist

Page 5 of 17



CID : 2422323635

Name : MR.SACHIN TIWARI

Age / Gender :38 Years / Male

Consulting Dr. Collected :10-Aug-2024 / 08:56 Reported :10-Aug-2024 / 15:11 Reg. Location : Thane Kasarvadavali (Main Centre)

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE **URINE EXAMINATION REPORT**

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
PHYSICAL EXAMINATION			
Color	Pale yellow	Pale Yellow	-
Transparency	Clear	Clear	-
CHEMICAL EXAMINATION			
Specific Gravity	1.010	1.010-1.030	Chemical Indicator
Reaction (pH)	Neutral (7.0)	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
MICROSCOPIC EXAMINATION			
(WBC)Pus cells / hpf	2-3	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	
Crystals	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	2-3	0-20/hpf	
Yeast	Absent	Absent	



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:10-Aug-2024 / 15:11

Others

Reg. Location

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Dr.VANDANA KULKARNI M.D (Path) Pathologist



Name : MR.SACHIN TIWARI

Age / Gender : 38 Years / Male

Consulting Dr. : Reg. Location : Thane Kasarvadavali (Main Centre)

Collected: Reported:

:10-Aug-2024 / 08:56 :10-Aug-2024 / 13:44

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

PARAMETER RESULTS

ABO GROUP 0

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 ***

Dr.IMRAN MUJAWAR M.D (Path) Pathologist

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CID : 2422323635

Name : MR.SACHIN TIWARI

Age / Gender :38 Years / Male

Consulting Dr. Collected Reported

: Thane Kasarvadavali (Main Centre) Reg. Location



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:10-Aug-2024 / 08:56

:10-Aug-2024 / 17:50

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE LIPID PROFILE

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>		
CHOLESTEROL, Serum	208.9	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	CHOD-POD		
TRIGLYCERIDES, Serum	210	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Enzymatic colorimetric		
HDL CHOLESTEROL, Serum	34.9	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Elimination/ Catalase		
NON HDL CHOLESTEROL, Serum	174.0	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated		
LDL CHOLESTEROL, Serum	149	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		
Note: LDL test is performed by direct measurement					
VLDL CHOLESTEROL, Serum	25.0	< /= 30 mg/dl	Calculated		
CHOL / HDL CHOL RATIO, Serum	6.0	0-4.5 Ratio	Calculated		
LDL CHOL / HDL CHOL RATIO, Serum	4.3	0-3.5 Ratio	Calculated		

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





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

Page 9 of 17



Name : MR.SACHIN TIWARI

Age / Gender : 38 Years / Male

Consulting Dr. : -

Reg. Location: Thane Kasarvadavali (Main Centre)



R

E

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Collected : 10-Aug-2024 / 08:56

Reported :10-Aug-2024 / 16:39

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE THYROID FUNCTION TESTS

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
Free T3, Serum	6.9	3.5-6.5 pmol/L	CLIA
Free T4, Serum	18.0	11.5-22.7 pmol/L	CLIA
sensitiveTSH, Serum	1.516	0.55-4.78 microU/ml	CLIA



Name : MR.SACHIN TIWARI

Age / Gender : 38 Years / Male

Consulting Dr. : - Collected : 10-Aug-2024 / 08:56

Reg. Location : Thane Kasarvadavali (Main Centre) Reported :10-Aug-2024 / 16:39

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 thyroida 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 SDRL, Vidyavihar Lab
*** End Of Report ***





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

Authenticity Check

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Name : MR.SACHIN TIWARI

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:10-Aug-2024 / 12:40

:10-Aug-2024 / 17:38

<u>AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE</u>

<u>PARAMETER</u>	<u>RESUL I S</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>

Urine Sugar (Fasting)AbsentAbsentUrine Ketones (Fasting)AbsentAbsent

Urine Sugar (PP)AbsentAbsentUrine Ketones (PP)AbsentAbsent

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

Dr.IMRAN MUJAWAR M.D (Path) Pathologist



Name : MR.SACHIN TIWARI

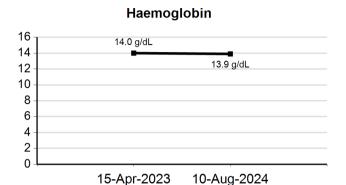
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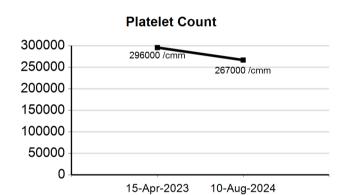
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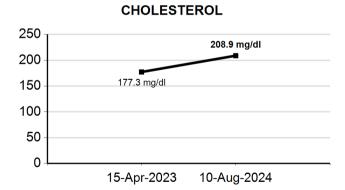
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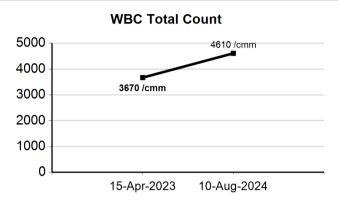


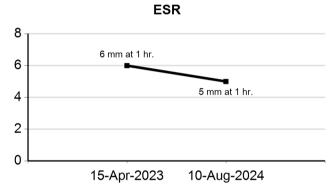
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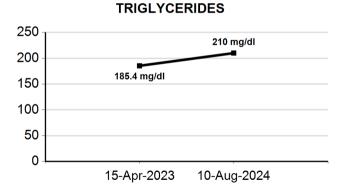














Name : MR.SACHIN TIWARI

Age / Gender : 38 Years / Male

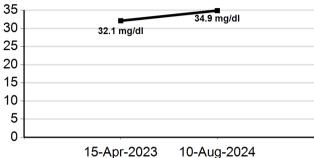
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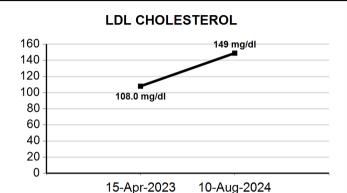
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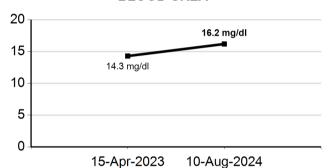
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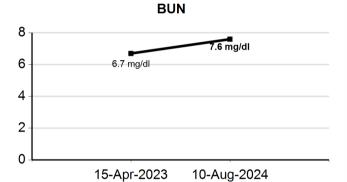
HDL CHOLESTEROL



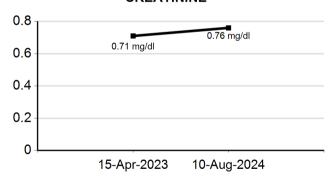


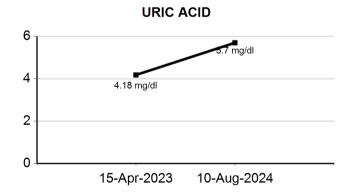
BLOOD UREA





CREATININE







Name : MR.SACHIN TIWARI

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8

6

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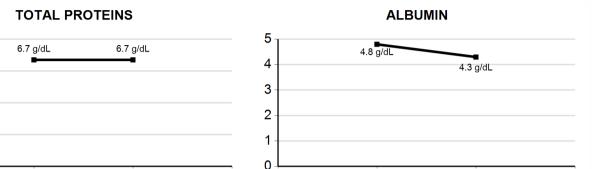
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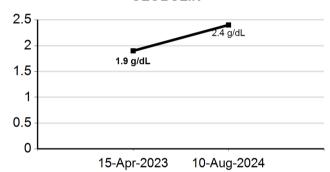
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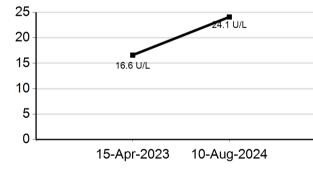


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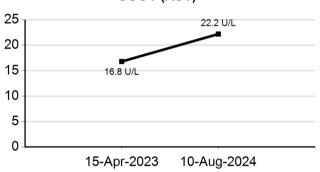
SGPT (ALT)



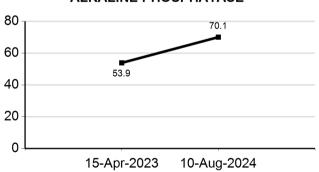
SGOT (AST)

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ALKALINE PHOSPHATASE





Name : MR.SACHIN TIWARI

Age / Gender : 38 Years / Male

Consulting Dr. :

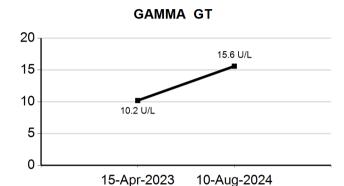
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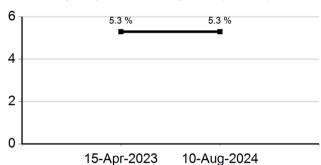
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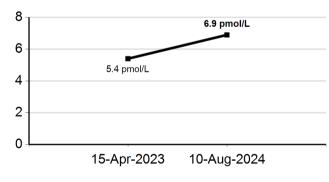
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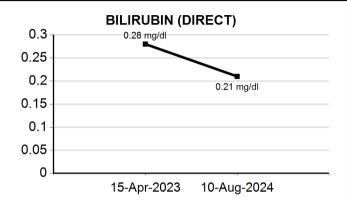


Glycosylated Hemoglobin (HbA1c)

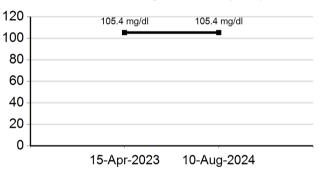


Free T3

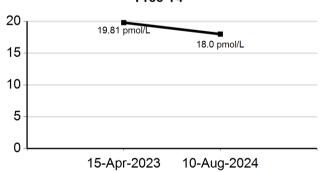




Estimated Average Glucose (eAG)



Free T4





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sensitiveTSH

