

Patient Name	: Mr. KAUSHALENDRA SINGH	Age/Gender	: 36 Y/M
UHID/MR No.	: STAR.0000062416	OP Visit No	: STAROPV68809
Sample Collected on	:	Reported on	: 06-04-2024 11:11
LRN#	: RAD2294634	Specimen	:
Ref Doctor	: SELF		
Emp/Auth/TPA ID	: 621307496594		

DEPARTMENT OF RADIOLOGY

X-RAY CHEST PA

Both lung fields and hila are normal .

No obvious active pleuro-parenchymal lesion seen .

Both costophrenic and cardiophrenic angles are clear .

Both diaphragms are normal in position and contour .

Thoracic wall and soft tissues appear normal.

CONCLUSION :

No obvious abnormality seen



Dr. VINOD SHETTY
Radiology

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Emp/Auth/TPA ID : 621307496594

Collected : 06/Apr/2024 09:06AM
Received : 06/Apr/2024 09:57AM
Reported : 06/Apr/2024 11:12AM
Status : Final Report
Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF HAEMATOLOGY

PERIPHERAL SMEAR , WHOLE BLOOD EDTA

Methodology : Microscopic

RBC : Normocytic normochromic

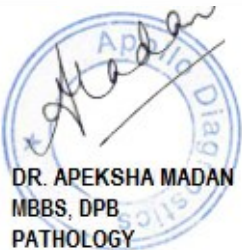
WBC : Normal in number, morphology and distribution. No abnormal cells seen

Platelets : Adequate in Number

Parasites : No Haemoparasites seen

IMPRESSION : Normocytic normochromic blood picture

Note/Comment : Please Correlate clinically



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DEPARTMENT OF HAEMATOLOGY


ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
HEMOGRAM , WHOLE BLOOD EDTA				
HAEMOGLOBIN	14	g/dL	13-17	CYANIDE FREE COLOUROMETER
PCV	44.60	%	40-50	PULSE HEIGHT AVERAGE
RBC COUNT	5.02	Million/cu.mm	4.5-5.5	Electrical Impedance
MCV	89	fL	83-101	Calculated
MCH	27.8	pg	27-32	Calculated
MCHC	31.3	g/dL	31.5-34.5	Calculated
R.D.W	12.4	%	11.6-14	Calculated
TOTAL LEUCOCYTE COUNT (TLC)	7,490	cells/cu.mm	4000-10000	Electrical Impedance
DIFFERENTIAL LEUCOCYTIC COUNT (DLC)				
NEUTROPHILS	64	%	40-80	Electrical Impedance
LYMPHOCYTES	28	%	20-40	Electrical Impedance
EOSINOPHILS	02	%	1-6	Electrical Impedance
MONOCYTES	06	%	2-10	Electrical Impedance
BASOPHILS	00	%	<1-2	Electrical Impedance
ABSOLUTE LEUCOCYTE COUNT				
NEUTROPHILS	4793.6	Cells/cu.mm	2000-7000	Calculated
LYMPHOCYTES	2097.2	Cells/cu.mm	1000-3000	Calculated
EOSINOPHILS	149.8	Cells/cu.mm	20-500	Calculated
MONOCYTES	449.4	Cells/cu.mm	200-1000	Calculated
Neutrophil lymphocyte ratio (NLR)	2.29		0.78- 3.53	Calculated
PLATELET COUNT	254000	cells/cu.mm	150000-410000	IMPEDENCE/MICROSCOPY
ERYTHROCYTE SEDIMENTATION RATE (ESR)	08	mm at the end of 1 hour	0-15	Modified Westergren
PERIPHERAL SMEAR				

Methodology : Microscopic

RBC : Normocytic normochromic

Page 2 of 13

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MBBS, DPB
PATHOLOGY

SIN No:BED240095479

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(Formerly known as a Nova Speciality Hospitals Private Limited)

CIN- U85100TG2009PTC099414

Regd Off:1-10-62/62 ,5th Floor, Ashoka RaghupathiChambers, Begumpet, Hyderabad, Telangana - 500016

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Note/Comment : Please Correlate clinically


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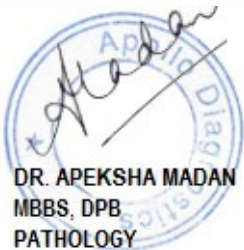


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DEPARTMENT OF HAEMATOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
BLOOD GROUP ABO AND RH FACTOR , WHOLE BLOOD EDTA				
BLOOD GROUP TYPE	B			Forward & Reverse Grouping with Slide/Tube Aggluti
Rh TYPE	POSITIVE			Forward & Reverse Grouping with Slide/Tube Agglutination

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Collected : 06/Apr/2024 11:43AM
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Reported : 06/Apr/2024 01:08PM
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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
GLUCOSE, FASTING , NAF PLASMA	103	mg/dL	70-100	GOD - POD

Comment:

As per American Diabetes Guidelines, 2023

Fasting Glucose Values in mg/dL	Interpretation
70-100 mg/dL	Normal
100-125 mg/dL	Prediabetes
≥126 mg/dL	Diabetes
<70 mg/dL	Hypoglycemia

Note:

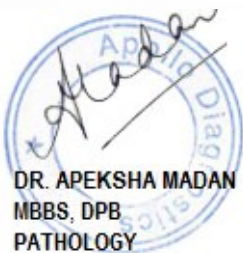
- The diagnosis of Diabetes requires a fasting plasma glucose of $> \text{ or } = 126 \text{ mg/dL}$ and/or a random / 2 hr post glucose value of $> \text{ or } = 200 \text{ mg/dL}$ on at least 2 occasions.
- Very high glucose levels ($>450 \text{ mg/dL}$ in adults) may result in Diabetic Ketoacidosis & is considered critical.

Test Name	Result	Unit	Bio. Ref. Range	Method
GLUCOSE, POST PRANDIAL (PP), 2 HOURS , SODIUM FLUORIDE PLASMA (2 HR)	96	mg/dL	70-140	GOD - POD

Comment:

It is recommended that FBS and PPBS should be interpreted with respect to their Biological reference ranges and not with each other.

Conditions which may lead to lower postprandial glucose levels as compared to fasting glucose levels may be due to reactive hypoglycemia, dietary meal content, duration or timing of sampling after food digestion and absorption, medications such as insulin preparations, sulfonylureas, amylin analogues, or conditions such as overproduction of insulin.



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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
HBA1C (GLYCATED HEMOGLOBIN) , WHOLE BLOOD EDTA				
HBA1C, GLYCATED HEMOGLOBIN	5.4	%		HPLC
ESTIMATED AVERAGE GLUCOSE (eAG)	108	mg/dL		Calculated

Comment:

Reference Range as per American Diabetes Association (ADA) 2023 Guidelines:

REFERENCE GROUP	HBA1C %
NON DIABETIC	<5.7
PREDIABETES	5.7 – 6.4
DIABETES	≥ 6.5
DIABETICS	
EXCELLENT CONTROL	6 – 7
FAIR TO GOOD CONTROL	7 – 8
UNSATISFACTORY CONTROL	8 – 10
POOR CONTROL	>10

Note: Dietary preparation or fasting is not required.

- HbA1C is recommended by American Diabetes Association for Diagnosing Diabetes and monitoring Glycemic Control by American Diabetes Association guidelines 2023.
- Trends in HbA1C values is a better indicator of Glycemic control than a single test.
- Low HbA1C in Non-Diabetic patients are associated with Anemia (Iron Deficiency/Hemolytic), Liver Disorders, Chronic Kidney Disease. Clinical Correlation is advised in interpretation of low Values.
- Falsely low HbA1c (below 4%) may be observed in patients with clinical conditions that shorten erythrocyte life span or decrease mean erythrocyte age. HbA1c may not accurately reflect glycemic control when clinical conditions that affect erythrocyte survival are present.
- In cases of Interference of Hemoglobin variants in HbA1C, alternative methods (Fructosamine) estimation is recommended for Glycemic Control
 - A: HbF >25%
 - B: Homozygous Hemoglobinopathy.
 (Hb Electrophoresis is recommended method for detection of Hemoglobinopathy)



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Consultant Pathologist



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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
LIPID PROFILE , SERUM				
TOTAL CHOLESTEROL	197	mg/dL	<200	CHE/CHO/POD
TRIGLYCERIDES	94	mg/dL	<150	
HDL CHOLESTEROL	35	mg/dL	>40	CHE/CHO/POD
NON-HDL CHOLESTEROL	162	mg/dL	<130	Calculated
LDL CHOLESTEROL	143.2	mg/dL	<100	Calculated
VLDL CHOLESTEROL	18.8	mg/dL	<30	Calculated
CHOL / HDL RATIO	5.63		0-4.97	Calculated
ATHEROGENIC INDEX (AIP)	0.07		<0.11	Calculated

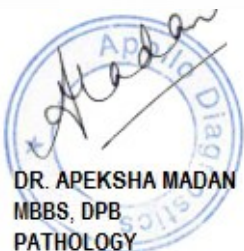
Comment:

Reference Interval as per National Cholesterol Education Program (NCEP) Adult Treatment Panel III Report.

	Desirable	Borderline High	High	Very High
TOTAL CHOLESTEROL	< 200	200 - 239	≥ 240	
TRIGLYCERIDES	<150	150 - 199	200 - 499	≥ 500
LDL	Optimal < 100; Near Optimal 100-129	130 - 159	160 - 189	≥ 190
HDL	≥ 60			
NON-HDL CHOLESTEROL	Optimal <130; Above Optimal 130-159	160-189	190-219	>220
ATHEROGENIC INDEX(AIP)	<0.11	0.12 – 0.20	>0.21	

Note:

- 1) Measurements in the same patient on different days can show physiological and analytical variations.
- 2) NCEP ATP III identifies non-HDL cholesterol as a secondary target of therapy in persons with high triglycerides.
- 3) Primary prevention algorithm now includes absolute risk estimation and lower LDL Cholesterol target levels to determine



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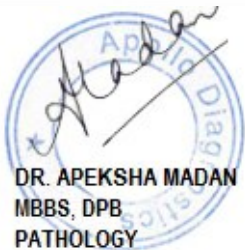
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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

eligibility of drug therapy.

- 4) Low HDL levels are associated with coronary heart disease due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues.
- 5) As per NCEP guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.
- 6) VLDL, LDL Cholesterol Non-HDL Cholesterol, CHOL/HDL RATIO, LDL/HDL RATIO are calculated parameters when Triglycerides are below 400 mg/dl. When Triglycerides are more than 400 mg/dl LDL cholesterol is a direct measurement.
- 7) Triglycerides and HDL-cholesterol in Atherogenic index (AIP) reflect the balance between the atherogenic and protective lipoproteins. Clinical studies have shown that AIP (log (TG/HDL) & values used are in mmol/L) predicts cardiovascular risk and a useful measure of response to treatment (pharmacological intervention).



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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
LIVER FUNCTION TEST (LFT) , SERUM				
BILIRUBIN, TOTAL	0.30	mg/dL	0.1-1.2	Azobilirubin
BILIRUBIN CONJUGATED (DIRECT)	0.10	mg/dL	0.1-0.4	DIAZO DYE
BILIRUBIN (INDIRECT)	0.20	mg/dL	0.0-1.1	Dual Wavelength
ALANINE AMINOTRANSFERASE (ALT/SGPT)	50	U/L	4-44	JSCC
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	36.0	U/L	8-38	JSCC
ALKALINE PHOSPHATASE	92.00	U/L	32-111	IFCC
PROTEIN, TOTAL	8.00	g/dL	6.7-8.3	BIURET
ALBUMIN	5.00	g/dL	3.8-5.0	BROMOCRESOL GREEN
GLOBULIN	3.00	g/dL	2.0-3.5	Calculated
A/G RATIO	1.67		0.9-2.0	Calculated

Comment:

LFT results reflect different aspects of the health of the liver, i.e., hepatocyte integrity (AST & ALT), synthesis and secretion of bile (Bilirubin, ALP), cholestasis (ALP, GGT), protein synthesis (Albumin)

Common patterns seen:

1. Hepatocellular Injury:

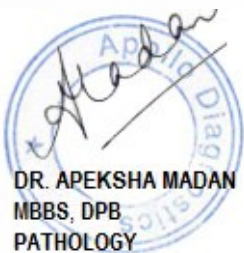
- AST – Elevated levels can be seen. However, it is not specific to liver and can be raised in cardiac and skeletal injuries.
- ALT – Elevated levels indicate hepatocellular damage. It is considered to be most specific lab test for hepatocellular injury. Values also correlate well with increasing BMI.
- Disproportionate increase in AST, ALT compared with ALP.
- Bilirubin may be elevated.
- AST: ALT (ratio) – In case of hepatocellular injury AST: ALT > 1 In Alcoholic Liver Disease AST: ALT usually >2. This ratio is also seen to be increased in NAFLD, Wilson's's diseases, Cirrhosis, but the increase is usually not >2.

2. Cholestatic Pattern:

- ALP – Disproportionate increase in ALP compared with AST, ALT.
- Bilirubin may be elevated.
- ALP elevation also seen in pregnancy, impacted by age and sex.
- To establish the hepatic origin correlation with GGT helps. If GGT elevated indicates hepatic cause of increased ALP.

3. Synthetic function impairment:

- Albumin- Liver disease reduces albumin levels.
- Correlation with PT (Prothrombin Time) helps.



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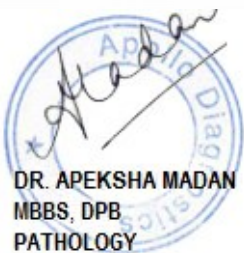
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DEPARTMENT OF BIOCHEMISTRY

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Test Name	Result	Unit	Bio. Ref. Range	Method
RENAL PROFILE/KIDNEY FUNCTION TEST (RFT/KFT) , SERUM				
CREATININE	0.63	mg/dL	0.6-1.1	ENZYMATIC METHOD
UREA	25.70	mg/dL	17-48	Urease
BLOOD UREA NITROGEN	12.0	mg/dL	8.0 - 23.0	Calculated
URIC ACID	5.90	mg/dL	4.0-7.0	URICASE
CALCIUM	9.80	mg/dL	8.4-10.2	CPC
PHOSPHORUS, INORGANIC	3.20	mg/dL	2.6-4.4	PNP-XOD
SODIUM	140	mmol/L	135-145	Direct ISE
POTASSIUM	5.0	mmol/L	3.5-5.1	Direct ISE
CHLORIDE	101	mmol/L	98-107	Direct ISE
PROTEIN, TOTAL	8.00	g/dL	6.7-8.3	BIURET
ALBUMIN	5.00	g/dL	3.8-5.0	BROMOCRESOL GREEN
GLOBULIN	3.00	g/dL	2.0-3.5	Calculated
A/G RATIO	1.67		0.9-2.0	Calculated



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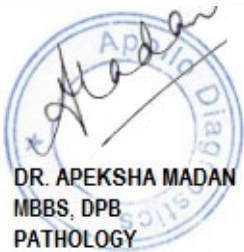
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Test Name	Result	Unit	Bio. Ref. Range	Method
GAMMA GLUTAMYL TRANSPEPTIDASE (GGT) , SERUM	35.00	U/L	16-73	Glycylglycine Kinetic method



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DEPARTMENT OF IMMUNOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324


Test Name	Result	Unit	Bio. Ref. Range	Method
THYROID PROFILE TOTAL (T3, T4, TSH) , SERUM				
TRI-IODOTHYRONINE (T3, TOTAL)	1.3	ng/mL	0.67-1.81	ELFA
THYROXINE (T4, TOTAL)	7.89	µg/dL	4.66-9.32	ELFA
THYROID STIMULATING HORMONE (TSH)	2.440	µIU/mL	0.25-5.0	ELFA

Comment:

For pregnant females	Bio Ref Range for TSH in uIU/ml (As per American Thyroid Association)
First trimester	0.1 - 2.5
Second trimester	0.2 – 3.0
Third trimester	0.3 – 3.0

- TSH is a glycoprotein hormone secreted by the anterior pituitary. TSH activates production of T3 (Triiodothyronine) and its prohormone T4 (Thyroxine). Increased blood level of T3 and T4 inhibit production of TSH.
- TSH is elevated in primary hypothyroidism and will be low in primary hyperthyroidism. Elevated or low TSH in the context of normal free thyroxine is often referred to as sub-clinical hypo- or hyperthyroidism respectively.
- Both T4 & T3 provides limited clinical information as both are highly bound to proteins in circulation and reflects mostly inactive hormone. Only a very small fraction of circulating hormone is free and biologically active.
- Significant variations in TSH can occur with circadian rhythm, hormonal status, stress, sleep deprivation, medication & circulating antibodies.

TSH	T3	T4	FT4	Conditions
High	Low	Low	Low	Primary Hypothyroidism, Post Thyroidectomy, Chronic Autoimmune Thyroiditis
High	N	N	N	Subclinical Hypothyroidism, Autoimmune Thyroiditis, Insufficient Hormone Replacement Therapy.
N/Low	Low	Low	Low	Secondary and Tertiary Hypothyroidism
Low	High	High	High	Primary Hyperthyroidism, Goitre, Thyroiditis, Drug effects, Early Pregnancy
Low	N	N	N	Subclinical Hyperthyroidism
Low	Low	Low	Low	Central Hypothyroidism, Treatment with Hyperthyroidism
Low	N	High	High	Thyroiditis, Interfering Antibodies
N/Low	High	N	N	T3 Thyrotoxicosis, Non thyroidal causes
High	High	High	High	Pituitary Adenoma; TSHoma/Thyrotropinoma



DR. APEKSHA MADAN
MBBS, DPB
PATHOLOGY



SIN No: SPL24064622

Apollo Speciality Hospitals Private Limited

(Formerly known as a Nova Speciality Hospitals Private Limited)

CIN- U85100TG2009PTC099414

Regd Off: 1-10-62/62, 5th Floor, Ashoka Raghupathi Chambers, Begumpet, Hyderabad, Telangana - 500016

Address:

156, Famous Cine Labs, Behind Everest Building, Tardeo (Mumbai Central), Mumbai, Maharashtra
Ph: 022 4332 4500

Patient Name : Mr.KAUSHALENDRA SINGH
Age/Gender : 36 Y 4 M 16 D/M
UHID/MR No : STAR.0000062416
Visit ID : STAROPV68809
Ref Doctor : Dr.SELF
Emp/Auth/TPA ID : 621307496594

Collected : 06/Apr/2024 09:06AM
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Status : Final Report
Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

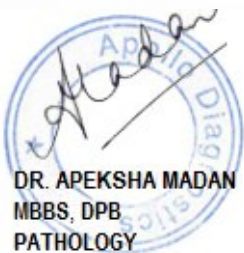
DEPARTMENT OF CLINICAL PATHOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
COMPLETE URINE EXAMINATION (CUE) , URINE				
PHYSICAL EXAMINATION				
COLOUR	PALE YELLOW		PALE YELLOW	Visual
TRANSPARENCY	CLEAR		CLEAR	Visual
pH	6.0		5-7.5	Bromothymol Blue
SP. GRAVITY	1.020		1.002-1.030	Dipstick
BIOCHEMICAL EXAMINATION				
URINE PROTEIN	NEGATIVE		NEGATIVE	PROTEIN ERROR OF INDICATOR
GLUCOSE	NEGATIVE		NEGATIVE	GOD-POD
URINE BILIRUBIN	NEGATIVE		NEGATIVE	AZO COUPLING
URINE KETONES (RANDOM)	NEGATIVE		NEGATIVE	NITROPRUSSIDE
UROBILINOGEN	NEGATIVE		NORMAL	EHRlich
NITRITE	NEGATIVE		NEGATIVE	Dipstick
LEUCOCYTE ESTERASE	NEGATIVE		NEGATIVE	PYRROLE HYDROLYSIS
CENTRIFUGED SEDIMENT WET MOUNT AND MICROSCOPY				
PUS CELLS	1-2	/hpf	0-5	Microscopy
EPITHELIAL CELLS	0-1	/hpf	<10	MICROSCOPY
RBC	ABSENT	/hpf	0-2	MICROSCOPY
CASTS	NIL		0-2 Hyaline Cast	MICROSCOPY
CRYSTALS	ABSENT		ABSENT	MICROSCOPY

*** End Of Report ***

Page 13 of 13



DR. APEKSHA MADAN
MBBS, DPB
PATHOLOGY



SIN No:UR2326320

Apollo Speciality Hospitals Private Limited

(Formerly known as a Nova Speciality Hospitals Private Limited)

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Begumpet, Hyderabad, Telangana - 500016

Address:

156, Famous Cine Labs, Behind Everest Building,
Tardeo (Mumbai Central), Mumbai, Maharashtra
Ph: 022 4332 4500

6/4/2024 OUT-PATIENT RECORD
62416

Date :
MRNO :
Name :
Age/Gender :
Mobile No :
Passport No :
Aadhar number :

MR. CAUSHOLENDRA SINGH
36yrs male

Pulse : 76/min	B.P : 130/70	Resp : 22/min	Temp : (N)
Weight : 79.5	Height : 173	BMI : 26.6	Waist Circum : 88cm

General Examination / Allergies
History

Clinical Diagnosis & Management Plan

Married, Nonvegetarian
Sleep/B/B @ Dust Allergy.
No addiction
FH: Father: 25
LDL 113
1) Avoid oil/ghee
2) morning walk 45 min daily
3) Repeat lipid cyle in 2 months
Physically fit.

Dr. (Mrs.) CHHAYA P. VAJA
M.D. (MUM)
Physician & Cardiologist
Reg. No. 56942



Doctor Signature

Follow up date:

Apollo Spectra Hospitals: 156, Famous Cine Labs, Behind Everest Building, Tardeo, Mumbai - 400034
Ph No: 022 - 4332 4500 | www.apollospectra.com

Apollo Specialty Hospitals Pvt. Ltd. (CIN - U85100TG2009PTC099414)
(Formerly known as Nova Specialty Hospital Pvt. Ltd.)

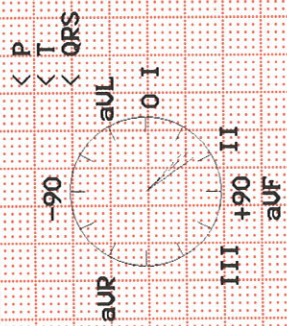
Regd. Office: 7-1-617/A, 615 & 616, Imperial Towers, 7th Floor, Ameerpet, Hyderabad, Telangana - 500038
Ph No: 040 - 4904 7777 | www.apollohl.com

GE MAC1200 ST SINGH,

HR 77 bpm

Measurement Results:

QRS : 88 ms
 QT/QTcB : 384 / 434 ms
 PR : 120 ms
 P : 104 ms
 RR/PP : 844 / 775 ms
 P/QRS/T : 44 / 54 / 47 degrees



Interpretation:

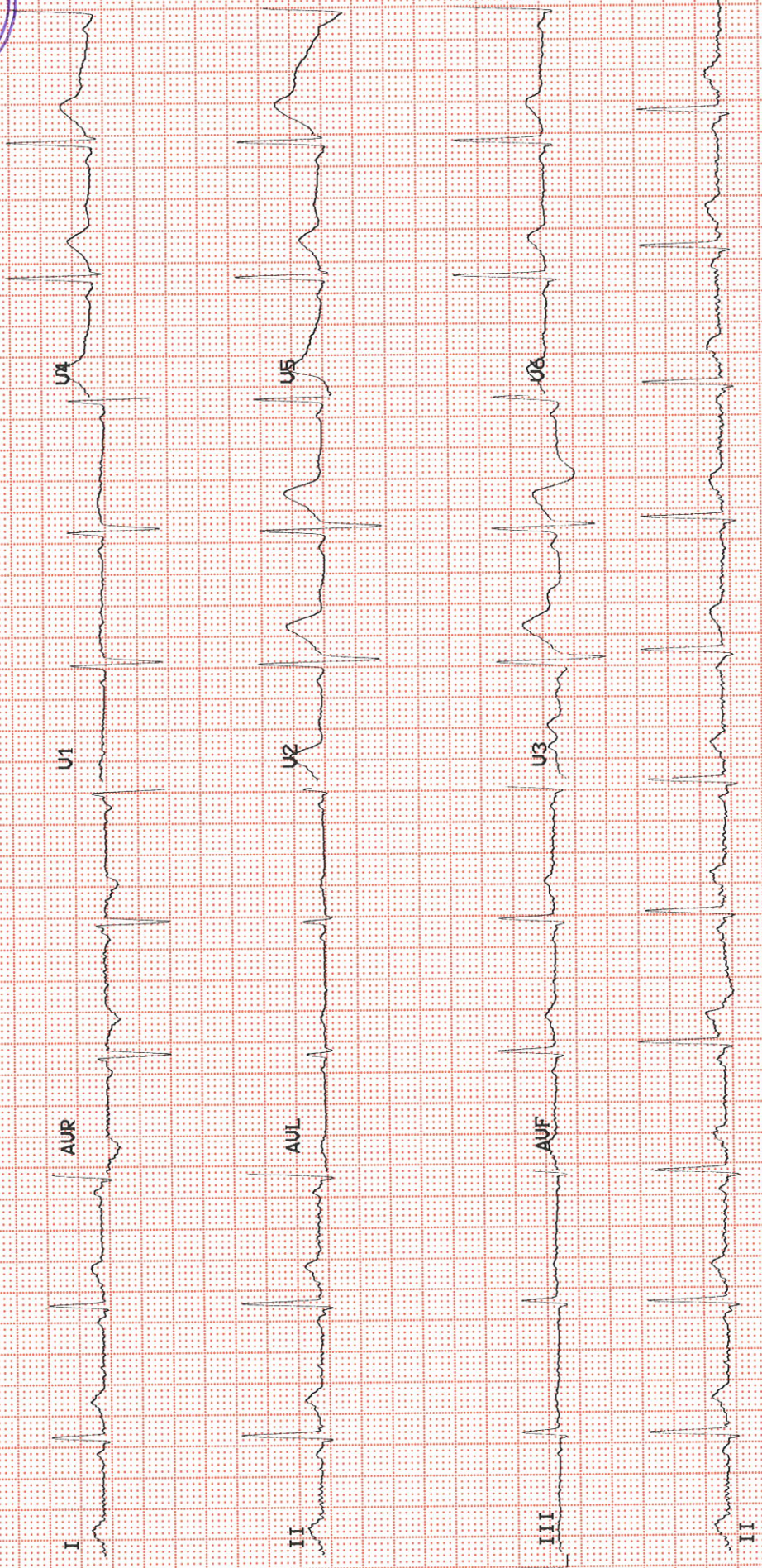
12SL - Interpretation:
 Sinus rhythm with occasional premature ventricular complexes
 Otherwise normal ECG

Dr. (Mrs.) LCHHAYA P. VAJIA
 M.D. (MUM)
 Physician & Cardiologist
 Reg No: 56942

within Normal limits



Unconfirmed report.



EYE REPORT

Name: Kaushalendra Singh

Date: 6/4/2024

Age / Sex: 36/M

Ref No.:

Complaint:

— Meibomitis —

c/o. heaviness.

Papillae cong.

Examination

K. clear.

— R, R, R, R ⊕ —

Clear lens.

Spectacle Rx

	Right Eye				Left Eye			
	Vision	Sphere	Cyl.	Axis	Vision	Sphere	Cyl.	Axis
Distance	6/6	-0.75	—		6/6	-0.75	—	
Read	N ₆				N ₆			

Remarks:

Hot. fomentation.

Medications:

Trade Name	Frequency	Duration
Systane B. Complete	i - i - i	cont.

Follow up:

Consultant:



Dr. Nusrat J. Bukhari (Mistry)
M.D., D.O.M.S. (GOLD MEDALIST)
Reg. No: 2012/10/2914
MOBI: 8850 1858 73

TOUCHING LIVES

Patient Name : Mr.KAUSHALENDRA SINGH
Age/Gender : 36 Y 4 M 16 D/M
UHID/MR No : STAR.0000062416
Visit ID : STAROPV68809
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Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF HAEMATOLOGY

PERIPHERAL SMEAR , WHOLE BLOOD EDTA

Methodology : Microscopic

RBC : Normocytic normochromic

WBC : Normal in number, morphology and distribution. No abnormal cells seen

Platelets : Adequate in Number

Parasites : No Haemoparasites seen

IMPRESSION : Normocytic normochromic blood picture

Note/Comment : Please Correlate clinically

Page 1 of 12



DR. APEKSHA MADAN
MBBS, DPB
PATHOLOGY

SIN No:BED240095479

TOUCHING LIVES

Patient Name : Mr.KAUSHALENDRA SINGH
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DEPARTMENT OF HAEMATOLOGY


ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
HEMOGRAM , WHOLE BLOOD EDTA				
HAEMOGLOBIN	14	g/dL	13-17	CYANIDE FREE COLOUROMETER
PCV	44.60	%	40-50	PULSE HEIGHT AVERAGE
RBC COUNT	5.02	Million/cu.mm	4.5-5.5	Electrical Impedance
MCV	89	fL	83-101	Calculated
MCH	27.8	pg	27-32	Calculated
MCHC	31.3	g/dL	31.5-34.5	Calculated
R.D.W	12.4	%	11.6-14	Calculated
TOTAL LEUCOCYTE COUNT (TLC)	7,490	cells/cu.mm	4000-10000	Electrical Impedance
DIFFERENTIAL LEUCOCYTIC COUNT (DLC)				
NEUTROPHILS	64	%	40-80	Electrical Impedance
LYMPHOCYTES	28	%	20-40	Electrical Impedance
EOSINOPHILS	02	%	1-6	Electrical Impedance
MONOCYTES	06	%	2-10	Electrical Impedance
BASOPHILS	00	%	<1-2	Electrical Impedance
ABSOLUTE LEUCOCYTE COUNT				
NEUTROPHILS	4793.6	Cells/cu.mm	2000-7000	Calculated
LYMPHOCYTES	2097.2	Cells/cu.mm	1000-3000	Calculated
EOSINOPHILS	149.8	Cells/cu.mm	20-500	Calculated
MONOCYTES	449.4	Cells/cu.mm	200-1000	Calculated
Neutrophil lymphocyte ratio (NLR)	2.29		0.78- 3.53	Calculated
PLATELET COUNT	254000	cells/cu.mm	150000-410000	IMPEDENCE/MICROSCOPY
ERYTHROCYTE SEDIMENTATION RATE (ESR)	08	mm at the end of 1 hour	0-15	Modified Westergren

PERIPHERAL SMEAR

Methodology : Microscopic

RBC : Normocytic normochromic

DR. APEKSHA MADAN
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 PATHOLOGY

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DEPARTMENT OF HAEMATOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

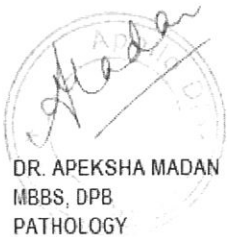
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Note/Comment : Please Correlate clinically



DR. APEKSHA MADAN
MBBS, DPB
PATHOLOGY

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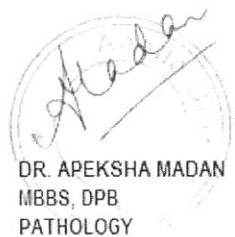
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DEPARTMENT OF HAEMATOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
BLOOD GROUP ABO AND RH FACTOR , WHOLE BLOOD EDTA				
BLOOD GROUP TYPE	B			Forward & Reverse Grouping with Slide/Tube Aggluti
Rh TYPE	POSITIVE			Forward & Reverse Grouping with Slide/Tube Agglutination



DR. APEKSHA MADAN
 MBBS, DPB
 PATHOLOGY

SIN No:BED240095479



TOUCHING LIVES

Patient Name : Mr.KAUSHALENDRA SINGH
Age/Gender : 36 Y 4 M 16 D/M
UHID/MR No : STAR.0000062416
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Collected : 06/Apr/2024 11:43AM
Received : 06/Apr/2024 12:23PM
Reported : 06/Apr/2024 01:08PM
Status : Final Report
Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
GLUCOSE, FASTING , NAF PLASMA	103	mg/dL	70-100	GOD - POD

Comment:

As per American Diabetes Guidelines, 2023

Fasting Glucose Values in mg/dL	Interpretation
70-100 mg/dL	Normal
100-125 mg/dL	Prediabetes
≥126 mg/dL	Diabetes
<70 mg/dL	Hypoglycemia

Note:

- The diagnosis of Diabetes requires a fasting plasma glucose of $> \text{ or } = 126 \text{ mg/dL}$ and/or a random / 2 hr post glucose value of $> \text{ or } = 200 \text{ mg/dL}$ on at least 2 occasions.
- Very high glucose levels ($>450 \text{ mg/dL}$ in adults) may result in Diabetic Ketoacidosis & is considered critical.


Test Name	Result	Unit	Bio. Ref. Range	Method
GLUCOSE, POST PRANDIAL (PP), 2 HOURS , SODIUM FLUORIDE PLASMA (2 HR)	96	mg/dL	70-140	GOD - POD

Comment:

It is recommended that FBS and PPBS should be interpreted with respect to their Biological reference ranges and not with each other.

Conditions which may lead to lower postprandial glucose levels as compared to fasting glucose levels may be due to reactive hypoglycemia, dietary meal content, duration or timing of sampling after food digestion and absorption, medications such as insulin preparations, sulfonyleureas, amylin analogues, or conditions such as overproduction of insulin.




DR. APEKSHA MADAN
MBBS, DPB
PATHOLOGY

SIN No:PLP1443382

Patient Name	: Mr.KAUSHALENDRA SINGH	Collected	: 06/Apr/2024 09:06AM
Age/Gender	: 36 Y 4 M 16 D/M	Received	: 06/Apr/2024 10:26AM
UHID/MR No	: STAR.0000062416	Reported	: 06/Apr/2024 11:44AM
Visit ID	: STAROPV68809	Status	: Final Report
Ref Doctor	: Dr.SELF	Sponsor Name	: ARCOFEMI HEALTHCARE LIMITED
Emp/Auth/TPA ID	: 621307496594		

DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
LIPID PROFILE , SERUM				
TOTAL CHOLESTEROL	197	mg/dL	<200	CHE/CHO/POD
TRIGLYCERIDES	94	mg/dL	<150	
HDL CHOLESTEROL	35	mg/dL	>40	CHE/CHO/POD
NON-HDL CHOLESTEROL	162	mg/dL	<130	Calculated
LDL CHOLESTEROL	143.2	mg/dL	<100	Calculated
VLDL CHOLESTEROL	18.8	mg/dL	<30	Calculated
CHOL / HDL RATIO	5.63		0-4.97	Calculated
ATHEROGENIC INDEX (AIP)	0.07		<0.11	Calculated

Comment:


Reference Interval as per National Cholesterol Education Program (NCEP) Adult Treatment Panel III Report.

	Desirable	Borderline High	High	Very High
TOTAL CHOLESTEROL	< 200	200 - 239	≥ 240	
TRIGLYCERIDES	<150	150 - 199	200 - 499	≥ 500
LDL	Optimal < 100; Near Optimal 100-129	130 - 159	160 - 189	≥ 190
HDL	≥ 60			
NON-HDL CHOLESTEROL	Optimal <130; Above Optimal 130-159	160-189	190-219	>220
ATHEROGENIC INDEX(AIP)	<0.11	0.12 - 0.20	>0.21	

Note:

- 1) Measurements in the same patient on different days can show physiological and analytical variations.
- 2) NCEP ATP III identifies non-HDL cholesterol as a secondary target of therapy in persons with high triglycerides.
- 3) Primary prevention algorithm now includes absolute risk estimation and lower LDL Cholesterol target levels to determine

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DR. APEKSHA MADAN
MBBS, DPB
PATHOLOGY

SIN No:SE04688933



TOUCHING LIVES

Patient Name : Mr.KAUSHALENDRA SINGH
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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

eligibility of drug therapy.

- 4) Low HDL levels are associated with coronary heart disease due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues.
- 5) As per NCEP guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.
- 6) VLDL, LDL Cholesterol Non-HDL Cholesterol, CHOL/HDL RATIO, LDL/HDL RATIO are calculated parameters when Triglycerides are below 400 mg/dl. When Triglycerides are more than 400 mg/dl LDL cholesterol is a direct measurement.
- 7) Triglycerides and HDL-cholesterol in Atherogenic index (AIP) reflect the balance between the atherogenic and protective lipoproteins. Clinical studies have shown that AIP (log (TG/HDL) & values used are in mmol/L) predicts cardiovascular risk and a useful measure of response to treatment (pharmacological intervention).

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DR. APEKSHA MADAN
MBBS, DPB
PATHOLOGY

SIN No:SE04688933

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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
LIVER FUNCTION TEST (LFT) , SERUM				
BILIRUBIN, TOTAL	0.30	mg/dL	0.1-1.2	Azobilirubin
BILIRUBIN CONJUGATED (DIRECT)	0.10	mg/dL	0.1-0.4	DIAZO DYE
BILIRUBIN (INDIRECT)	0.20	mg/dL	0.0-1.1	Dual Wavelength
ALANINE AMINOTRANSFERASE (ALT/SGPT)	50	U/L	4-44	JSCC
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	36.0	U/L	8-38	JSCC
ALKALINE PHOSPHATASE	92.00	U/L	32-111	IFCC
PROTEIN, TOTAL	8.00	g/dL	6.7-8.3	BIURET
ALBUMIN	5.00	g/dL	3.8-5.0	BROMOCRESOL GREEN
GLOBULIN	3.00	g/dL	2.0-3.5	Calculated
A/G RATIO	1.67		0.9-2.0	Calculated

Comment:

LFT results reflect different aspects of the health of the liver, i.e., hepatocyte integrity (AST & ALT), synthesis and secretion of bile (Bilirubin, ALP), cholestasis (ALP, GGT), protein synthesis (Albumin)

Common patterns seen:

1. Hepatocellular Injury:


- AST – Elevated levels can be seen. However, it is not specific to liver and can be raised in cardiac and skeletal injuries.
- ALT – Elevated levels indicate hepatocellular damage. It is considered to be most specific lab test for hepatocellular injury. Values also correlate well with increasing BMI.
- Disproportionate increase in AST, ALT compared with ALP.
- Bilirubin may be elevated.
- AST: ALT (ratio) – In case of hepatocellular injury AST: ALT > 1 In Alcoholic Liver Disease AST: ALT usually >2. This ratio is also seen to be increased in NAFLD, Wilson's diseases, Cirrhosis, but the increase is usually not >2.

2. Cholestatic Pattern:

- ALP – Disproportionate increase in ALP compared with AST, ALT.
- Bilirubin may be elevated.
- ALP elevation also seen in pregnancy, impacted by age and sex.
- To establish the hepatic origin correlation with GGT helps. If GGT elevated indicates hepatic cause of increased ALP.

3. Synthetic function impairment:

- Albumin- Liver disease reduces albumin levels.
- Correlation with PT (Prothrombin Time) helps.

DR. APEKSHA MADAN
MBBS, DPB
PATHOLOGY

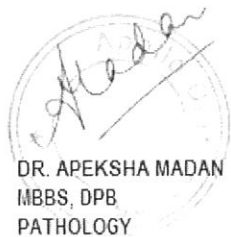
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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
RENAL PROFILE/KIDNEY FUNCTION TEST (RFT/KFT) , SERUM				
CREATININE	0.63	mg/dL	0.6-1.1	ENZYMATIC METHOD
UREA	25.70	mg/dL	17-48	Urease
BLOOD UREA NITROGEN	12.0	mg/dL	8.0 - 23.0	Calculated
URIC ACID	5.90	mg/dL	4.0-7.0	URICASE
CALCIUM	9.80	mg/dL	8.4-10.2	CPC
PHOSPHORUS, INORGANIC	3.20	mg/dL	2.6-4.4	PNP-XOD
SODIUM	140	mmol/L	135-145	Direct ISE
POTASSIUM	5.0	mmol/L	3.5-5.1	Direct ISE
CHLORIDE	101	mmol/L	98-107	Direct ISE
PROTEIN, TOTAL	8.00	g/dL	6.7-8.3	BIURET
ALBUMIN	5.00	g/dL	3.8-5.0	BROMOCRESOL GREEN
GLOBULIN	3.00	g/dL	2.0-3.5	Calculated
A/G RATIO	1.67		0.9-2.0	Calculated



DR. APEKSHA MADAN
MBBS, DPB
PATHOLOGY

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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
GAMMA GLUTAMYL TRANSPEPTIDASE (GGT) , <i>SERUM</i>	35.00	U/L	16-73	Glycylglycine Kinetic method

DR. APEKSHA MADAN
MBBS, DPB
PATHOLOGY

SIN No:SE04688933

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DEPARTMENT OF IMMUNOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
THYROID PROFILE TOTAL (T3, T4, TSH) , SERUM				
TRI-IODOTHYRONINE (T3, TOTAL)	1.3	ng/mL	0.67-1.81	ELFA
THYROXINE (T4, TOTAL)	7.89	µg/dL	4.66-9.32	ELFA
THYROID STIMULATING HORMONE (TSH)	2.440	µIU/mL	0.25-5.0	ELFA


Comment:

For pregnant females	Bio Ref Range for TSH in uIU/ml (As per American Thyroid Association)
First trimester	0.1 - 2.5
Second trimester	0.2 – 3.0
Third trimester	0.3 – 3.0

- TSH is a glycoprotein hormone secreted by the anterior pituitary. TSH activates production of T3 (Triiodothyronine) and its prohormone T4 (Thyroxine). Increased blood level of T3 and T4 inhibit production of TSH.
- TSH is elevated in primary hypothyroidism and will be low in primary hyperthyroidism. Elevated or low TSH in the context of normal free thyroxine is often referred to as sub-clinical hypo- or hyperthyroidism respectively.
- Both T4 & T3 provides limited clinical information as both are highly bound to proteins in circulation and reflects mostly inactive hormone. Only a very small fraction of circulating hormone is free and biologically active.
- Significant variations in TSH can occur with circadian rhythm, hormonal status, stress, sleep deprivation, medication & circulating antibodies.

TSH	T3	T4	FT4	Conditions
High	Low	Low	Low	Primary Hypothyroidism, Post Thyroidectomy, Chronic Autoimmune Thyroiditis
High	N	N	N	Subclinical Hypothyroidism, Autoimmune Thyroiditis, Insufficient Hormone Replacement Therapy.
N/Low	Low	Low	Low	Secondary and Tertiary Hypothyroidism
Low	High	High	High	Primary Hyperthyroidism, Goitre, Thyroiditis, Drug effects, Early Pregnancy
Low	N	N	N	Subclinical Hyperthyroidism
Low	Low	Low	Low	Central Hypothyroidism, Treatment with Hyperthyroidism
Low	N	High	High	Thyroiditis, Interfering Antibodies
N/Low	High	N	N	T3 Thyrotoxicosis, Non thyroidal causes
High	High	High	High	Pituitary Adenoma; TSHoma/Thyrotropinoma




DR. APEKSHA MADAN
 MBBS, DPB
 PATHOLOGY
 SIN No:SPL24064622

Patient Name : Mr.KAUSHALENDRA SINGH
Age/Gender : 36 Y 4 M 16 D/M
UHID/MR No : STAR.0000062416
Visit ID : STAROPV68809
Ref Doctor : Dr.SELF
Emp/Auth/TPA ID : 621307496594

Collected : 06/Apr/2024 09:06AM
Received : 06/Apr/2024 12:44PM
Reported : 06/Apr/2024 02:30PM
Status : Final Report
Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF CLINICAL PATHOLOGY

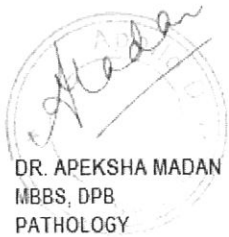
ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
COMPLETE URINE EXAMINATION (CUE) , URINE				
PHYSICAL EXAMINATION				
COLOUR	PALE YELLOW		PALE YELLOW	Visual
TRANSPARENCY	CLEAR		CLEAR	Visual
pH	6.0		5-7.5	Bromothymol Blue
SP. GRAVITY	1.020		1.002-1.030	Dipstick
BIOCHEMICAL EXAMINATION				
URINE PROTEIN	NEGATIVE		NEGATIVE	PROTEIN ERROR OF INDICATOR
GLUCOSE	NEGATIVE		NEGATIVE	GOD-POD
URINE BILIRUBIN	NEGATIVE		NEGATIVE	AZO COUPLING
URINE KETONES (RANDOM)	NEGATIVE		NEGATIVE	NITROPRUSSIDE
UROBILINOGEN	NEGATIVE		NORMAL	EHRlich
NITRITE	NEGATIVE		NEGATIVE	Dipstick
LEUCOCYTE ESTERASE	NEGATIVE		NEGATIVE	PYRROLE HYDROLYSIS
CENTRIFUGED SEDIMENT WET MOUNT AND MICROSCOPY				
PUS CELLS	1-2	/hpf	0-5	Microscopy
EPITHELIAL CELLS	0-1	/hpf	<10	MICROSCOPY
RBC	ABSENT	/hpf	0-2	MICROSCOPY
CASTS	NIL		0-2 Hyaline Cast	MICROSCOPY
CRYSTALS	ABSENT		ABSENT	MICROSCOPY

*** End Of Report ***

Result/s to Follow:
HBA1C (GLYCATED HEMOGLOBIN)

Page 12 of 12



DR. APEKSHA MADAN
MBBS, DPB
PATHOLOGY

SIN No:UR2326320



Patient Name	: Mr.KAUSHALENDRA SINGH	Collected	: 06/Apr/2024 09:06AM
Age/Gender	: 36 Y 4 M 16 D/M	Received	: 06/Apr/2024 03:53PM
UHID/MR No	: STAR.0000062416	Reported	: 06/Apr/2024 04:49PM
Visit ID	: STAROPV68809	Status	: Final Report
Ref Doctor	: Dr.SELF	Sponsor Name	: ARCOFEMI HEALTHCARE LIMITED
Emp/Auth/TPA ID	: 621307496594		

DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY STANDARD PLUS MALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
HBA1C (GLYCATED HEMOGLOBIN) , WHOLE BLOOD EDTA				
HBA1C, GLYCATED HEMOGLOBIN	5.4	%		HPLC
ESTIMATED AVERAGE GLUCOSE (eAG)	108	mg/dL		Calculated

Comment:

Reference Range as per American Diabetes Association (ADA) 2023 Guidelines:


REFERENCE GROUP	HBA1C %
NON DIABETIC	<5.7
PREDIABETES	5.7 – 6.4
DIABETES	≥ 6.5
DIABETICS	
EXCELLENT CONTROL	6 – 7
FAIR TO GOOD CONTROL	7 – 8
UNSATISFACTORY CONTROL	8 – 10
POOR CONTROL	>10

Note: Dietary preparation or fasting is not required.

- HbA1c is recommended by American Diabetes Association for Diagnosing Diabetes and monitoring Glycemic Control by American Diabetes Association guidelines 2023.
- Trends in HbA1c values is a better indicator of Glycemic control than a single test.
- Low HbA1c in Non-Diabetic patients are associated with Anemia (Iron Deficiency/Hemolytic), Liver Disorders, Chronic Kidney Disease. Clinical Correlation is advised in interpretation of low Values.
- Falsely low HbA1c (below 4%) may be observed in patients with clinical conditions that shorten erythrocyte life span or decrease mean erythrocyte age. HbA1c may not accurately reflect glycemic control when clinical conditions that affect erythrocyte survival are present.
- In cases of Interference of Hemoglobin variants in HbA1c, alternative methods (Fructosamine) estimation is recommended for Glycemic Control
 - A: HbF >25%
 - B: Homozygous Hemoglobinopathy.
 (Hb Electrophoresis is recommended method for detection of Hemoglobinopathy)

*** End Of Report ***

Page 1 of 1



Dr.Sandip Kumar Banerjee
M.B.B.S,M.D(PATHOLOGY),D.P.B
Consultant Pathologist

SIN No:EDT240044139



Patient Name : Mr. KAUSHALENDRA SINGH Age : 36 Y M
UHID : STAR.0000062416 OP Visit No : STAROPV68809
Reported on : 06-04-2024 11:10 Printed on : 06-04-2024 11:15
Adm/Consult Doctor : Ref Doctor : SELF

DEPARTMENT OF RADIOLOGY

X-RAY CHEST PA

Both lung fields and hila are normal .

No obvious active pleuro-parenchymal lesion seen .

Both costophrenic and cardiophrenic angles are clear .

Both diaphragms are normal in position and contour .

Thoracic wall and soft tissues appear normal.

CONCLUSION :

No obvious abnormality seen

Printed on:06-04-2024 11:10

---End of the Report---


Dr. VINOD SHETTY
Radiology