

Patient Name : Mr.SEBASTIN C D	Collected : 24/May/2023 09:34AM
Age/Gender : 37 Y 4 M 21 D/M	Received : 24/May/2023 09:58AM
UHID/MR No : SMRC.0000025565	Reported : 24/May/2023 12:45PM
Visit ID : SMRCOPV108621	Status : Final Report
Ref Doctor : Dr.SELF	Sponsor Name : ARCOFEMI HEALTHCARE LIMITED
Emp/Auth/TPA ID : 105261	

DEPARTMENT OF HAEMATOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324

PERIPHERAL SMEAR , WHOLE BLOOD-EDTA

METHODOLOGY : MICROSCOPIC

RBC : Predominantly Normocytic Normochromic RBCs. No Haemoparasites seen

WBC : Normal in count and distribution. No Abnormal cells seen.

PLATELET : Adequate on smear.

IMPRESSION : Normal Blood Picture.



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HEMOGRAM , WHOLE BLOOD-EDTA

HAEMOGLOBIN	14.5	g/dL	13-17	Spectrophotometer
PCV	43.10	%	40-50	Electronic pulse & Calculation
RBC COUNT	4.77	Million/cu.mm	4.5-5.5	Electrical Impedance
MCV	90	fL	83-101	Calculated
MCH	30.4	pg	27-32	Calculated
MCHC	33.6	g/dL	31.5-34.5	Calculated
R.D.W	14.7	%	11.6-14	Calculated
TOTAL LEUCOCYTE COUNT (TLC)	4,400	cells/cu.mm	4000-10000	Electrical Impedance
DIFFERENTIAL LEUCOCYtic COUNT (DLC)				
NEUTROPHILS	66	%	40-80	Electrical Impedance
LYMPHOCYTES	27	%	20-40	Electrical Impedance
EOSINOPHILS	02	%	1-6	Electrical Impedance
MONOCYTES	05	%	2-10	Electrical Impedance
ABSOLUTE LEUCOCYTE COUNT				
NEUTROPHILS	2904	Cells/cu.mm	2000-7000	Electrical Impedance
LYMPHOCYTES	1188	Cells/cu.mm	1000-3000	Electrical Impedance
EOSINOPHILS	88	Cells/cu.mm	20-500	Electrical Impedance
MONOCYTES	220	Cells/cu.mm	200-1000	Electrical Impedance
PLATELET COUNT	288000	cells/cu.mm	150000-410000	Electrical impedance
ERYTHROCYTE SEDIMENTATION RATE (ESR)	03	mm at the end of 1 hour	0-15	Modified Westergren
PERIPHERAL SMEAR				
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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

The sample has been tested for ABO major groups & Rh only. Hence the result has to be interpreted taking this into context.



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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
GLUCOSE, FASTING , NAF PLASMA	92	mg/dL	70-100	GOD - POD

Comment:

As per American Diabetes Guidelines

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



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Visit ID : SMRCOPV108621	Status : Final Report
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DEPARTMENT OF BIOCHEMISTRY

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Test Name	Result	Unit	Bio. Ref. Range	Method
HBA1C, GLYCATED HEMOGLOBIN , WHOLE BLOOD-EDTA	6	%		HPLC
ESTIMATED AVERAGE GLUCOSE (eAG) , WHOLE BLOOD-EDTA	126	mg/dL		Calculated

Comment:

Reference Range as per American Diabetes Association (ADA):

REFERENCE GROUP	HBA1C IN %
NON DIABETIC ADULTS >18 YEARS	<5.7
AT RISK (PREDIABETES)	5.7 – 6.4
DIAGNOSING 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.

- A1C test should be performed at least two times a year in patients who are meeting treatment goals (and who have stable glycemic control).
- Lowering A1C to below or around 7% has been shown to reduce microvascular and neuropathic complications of type 1 and type 2 diabetes. When mean annual HbA1c is <1.1 times ULN (upper limit of normal), renal and retinal complications are rare, but complications occur in >70% of cases when HbA1c is >1.7 times ULN.
- 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. Fructosamine may be used as an alternate measurement of glycemic control



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LIPID PROFILE , SERUM

TOTAL CHOLESTEROL	251	mg/dL	<200	CHE/CHO/POD
TRIGLYCERIDES	89	mg/dL	<150	
HDL CHOLESTEROL	62	mg/dL	>40	CHE/CHO/POD
NON-HDL CHOLESTEROL	189	mg/dL	<130	Calculated
LDL CHOLESTEROL	171.2	mg/dL	<100	Calculated
VLDL CHOLESTEROL	17.8	mg/dL	<30	Calculated
CHOL / HDL RATIO	4.05		0-4.97	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

Measurements in the same patient can show physiological and analytical variations.

NCEP ATP III identifies non-HDL cholesterol as a secondary target of therapy in persons with high triglycerides.



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LIVER FUNCTION TEST (LFT) , SERUM

BILIRUBIN, TOTAL	0.70	mg/dL	0.1-1.2	Azobilirubin
BILIRUBIN CONJUGATED (DIRECT)	0.10	mg/dL	0.1-0.4	DIAZO DYE
BILIRUBIN (INDIRECT)	0.60	mg/dL	0.0-1.1	Dual Wavelength
ALANINE AMINOTRANSFERASE (ALT/SGPT)	62	U/L	4-44	JSCC
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	44.0	U/L	8-38	JSCC
ALKALINE PHOSPHATASE	61.00	U/L	32-111	IFCC
PROTEIN, TOTAL	8.10	g/dL	6.7-8.3	BIURET
ALBUMIN	5.00	g/dL	3.8-5.0	BROMOCRESOL GREEN
GLOBULIN	3.10	g/dL	2.0-3.5	Calculated
A/G RATIO	1.61		0.9-2.0	Calculated



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RENAL PROFILE/KIDNEY FUNCTION TEST (RFT/KFT) , SERUM

CREATININE	0.73	mg/dL	0.6-1.1	ENZYMATIC METHOD
UREA	18.40	mg/dL	17-48	Urease
BLOOD UREA NITROGEN	8.6	mg/dL	8.0 - 23.0	Calculated
URIC ACID	7.20	mg/dL	4.0-7.0	URICASE
CALCIUM	9.80	mg/dL	8.4-10.2	CPC
PHOSPHORUS, INORGANIC	3.90	mg/dL	2.6-4.4	PNP-XOD
SODIUM	142	mmol/L	135-145	Direct ISE
POTASSIUM	4.3	mmol/L	3.5-5.1	Direct ISE
CHLORIDE	103	mmol/L	98 - 107	Direct ISE



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Test Name	Result	Unit	Bio. Ref. Range	Method
GAMMA GLUTAMYL TRANSPEPTIDASE (GGT) , SERUM	55.00	U/L	16-73	Glycylglycine Kinetic method



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DEPARTMENT OF CLINICAL PATHOLOGY

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COMPLETE URINE EXAMINATION (CUE) , URINE

PHYSICAL EXAMINATION

COLOUR	PALE YELLOW		PALE YELLOW	Visual
TRANSPARENCY	CLEAR		CLEAR	Visual
pH	5.0		5-7.5	Bromothymol Blue
SP. GRAVITY	1.030		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	NORMAL		NORMAL	EHRlich
BLOOD	NEGATIVE		NEGATIVE	Dipstick
NITRITE	NEGATIVE		NEGATIVE	Dipstick
LEUCOCYTE ESTERASE	NEGATIVE		NEGATIVE	PYRROLE HYDROLYSIS

CENTRIFUGED SEDIMENT WET MOUNT AND MICROSCOPY

PUS CELLS	2 - 3	/hpf	0-5	Microscopy
EPITHELIAL CELLS	1 - 2	/hpf	<10	MICROSCOPY
RBC	NIL	/hpf	0-2	MICROSCOPY
CASTS	NIL		0-2 Hyaline Cast	MICROSCOPY
CRYSTALS	ABSENT		ABSENT	MICROSCOPY



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Test Name	Result	Unit	Bio. Ref. Range	Method
URINE GLUCOSE(FASTING)	NEGATIVE		NEGATIVE	Dipstick

*** End Of Report ***

Result/s to Follow:

THYROID PROFILE TOTAL (T3, T4, TSH), GLUCOSE, POST PRANDIAL (PP), 2 HOURS (POST MEAL), GLUCOSE (POST PRANDIAL) - URINE



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