



Age/Gender : 39 Y 2 M 16 D/M

UHID/MR No : SCHI.0000016435 Visit ID : SCHIOPV23385

Ref Doctor : Dr.SELF Emp/Auth/TPA ID : sgadf Collected : 27/Nov/2023 10:13AM Received : 27/Nov/2023 10:55AM

Reported : 27/Nov/2023 10:55AW

Status : Final Report

Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF HAEMATOLOGY

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

PERIPHERAL SMEAR, WHOLE BLOOD EDTA

..





Age/Gender : 39 Y 2 M 16 D/M

UHID/MR No : SCHI.0000016435

Visit ID : SCHIOPV23385
Ref Doctor : Dr.SELF

Emp/Auth/TPA ID : sgadf

Collected : 27/Nov/2023 10:13AM Received : 27/Nov/2023 10:55AM

Reported : 27/Nov/2023 12:51PM

Status : Final Report
Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF HAEMATOLOGY ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324 Test Name Result Unit Bio. Ref. Range Method

HAEMOGLOBIN	14.9	g/dL	13-17	CYANIDE FREE COLOUROMETER
PCV	46.10	%	40-50	PULSE HEIGHT AVERAGE
RBC COUNT	5.28	Million/cu.mm	4.5-5.5	Electrical Impedence
MCV	87.3	fL	83-101	Calculated
MCH	28.3	pg	27-32	Calculated
MCHC	32.4	g/dL	31.5-34.5	Calculated
R.D.W	13.5	%	11.6-14	Calculated
TOTAL LEUCOCYTE COUNT (TLC)	5,200	cells/cu.mm	4000-10000	Electrical Impedance
DIFFERENTIAL LEUCOCYTIC COUNT	(DLC)			•
NEUTROPHILS	53.2	%	40-80	Electrical Impedance
LYMPHOCYTES	36.3	%	20-40	Electrical Impedance
EOSINOPHILS	1.4	%	1-6	Electrical Impedance
MONOCYTES	8.4	%	2-10	Electrical Impedance
BASOPHILS	0.7	%	<1-2	Electrical Impedance
ABSOLUTE LEUCOCYTE COUNT				•
NEUTROPHILS	2766.4	Cells/cu.mm	2000-7000	Calculated
LYMPHOCYTES	1887.6	Cells/cu.mm	1000-3000	Calculated
EOSINOPHILS	72.8	Cells/cu.mm	20-500	Calculated
MONOCYTES	436.8	Cells/cu.mm	200-1000	Calculated
BASOPHILS	36.4	Cells/cu.mm	0-100	Calculated
PLATELET COUNT	290000	cells/cu.mm	150000-410000	IMPEDENCE/MICROSCOP'
ERYTHROCYTE SEDIMENTATION RATE (ESR)	02	mm at the end of 1 hour	0-15	Modified Westergren
PERIPHERAL SMEAR				

RBCs ARE NORMOCYTIC NORMOCHROMIC.

TLC, DLC WITHIN NORMAL LIMIT. NO IMMATURE CELLS ARE SEEN.

PLATELETS ARE ADEQUATE.

NO HEMOPARASITES SEEN

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Age/Gender : 39 Y 2 M 16 D/M UHID/MR No : SCHI.0000016435

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Ref Doctor : Dr.SELF Emp/Auth/TPA ID : sgadf Collected : 27/Nov/2023 10:13AM

Received : 27/Nov/2023 10:55AM

Reported : 27/Nov/2023 04:07PM

Status : Final Report

Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF HAEMATOLOGY						
ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324						
Test Name Result Unit Bio. Ref. Range Method						

BLOOD GROUP ABO AND RH FACTOR , WHOLE BLOOD EDTA					
BLOOD GROUP TYPE	А		Forward & Reverse Grouping with Slide/Tube Aggluti		
Rh TYPE	NEGATIVE		Forward & Reverse Grouping with Slide/Tube Agglutination		

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Age/Gender : 39 Y 2 M 16 D/M

UHID/MR No : SCHI.0000016435

Visit ID : SCHIOPV23385

Ref Doctor : Dr.SELF Emp/Auth/TPA ID : sgadf Collected : 27/Nov/2023 12:12PM

Received : 27/Nov/2023 04:00PM Reported : 27/Nov/2023 07:13PM

Status : Final Report

Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

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	91	ma/dL	70-100	GOD - POD
020002,171011110,7011721011111	J .	9, a=	10 100	005 . 05

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:

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

GLUCOSE, POST PRANDIAL (PP), 2	85	mg/dL	70-140	GOD - POD
HOURS , SODIUM FLUORIDE PLASMA (2				
HR)				

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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Age/Gender : 39 Y 2 M 16 D/M

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Visit ID : SCHIOPV23385

Ref Doctor : Dr.SELF Emp/Auth/TPA ID : sgadf Collected : 27/Nov/2023 10:13AM

Received : 27/Nov/2023 01:15PM

Reported : 27/Nov/2023 03:38PM Status : Final Report

Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324						
Test Name	Result	Unit	Bio. Ref. Range	Method		

HBA1C, GLYCATED HEMOGLOBIN , WHOLE BLOOD EDTA	5.5	%	HPLC
ESTIMATED AVERAGE GLUCOSE (eAG),	111	mg/dL	Calculated
WHOLE BLOOD EDTA			

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.

- 1. HbA1C is recommended by American Diabetes Association for Diagnosing Diabetes and monitoring Glycemic Control by American Diabetes Association guidelines 2023.
- 2. Trends in HbA1C values is a better indicator of Glycemic control than a single test.
- 3. 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.
- 4. 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.
- 5. 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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Received : 27/Nov/2023 11:23AM Reported : 27/Nov/2023 07:10PM

Status : Final Report

Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF BIOCHEMISTRY

DEL ARTHMENT OF BIOGRAMMOTICS						
ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324						
Test Name Result Unit Bio. Ref. Range Method						

LIPID PROFILE, SERUM				
TOTAL CHOLESTEROL	208	mg/dL	<200	CHE/CHO/POD
TRIGLYCERIDES	161	mg/dL	<150	Enzymatic
HDL CHOLESTEROL	38	mg/dL	>40	CHE/CHO/POD
NON-HDL CHOLESTEROL	170	mg/dL	<130	Calculated
LDL CHOLESTEROL	137.8	mg/dL	<100	Calculated
VLDL CHOLESTEROL	32.2	mg/dL	<30	Calculated
CHOL / HDL RATIO	5.47		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
III .I D1 .	Optimal < 100 Near Optimal 100-129	130 - 159	160 - 189	≥ 190
HDL	≥ 60			
INON-HDL CHOLESTEROL	Optimal <130; Above Optimal 130-159	160-189	190-219	>220

- 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 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 350mg/dl. When Triglycerides are more than 350 mg/dl LDL cholesterol is a direct measurement.

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Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324						
Test Name	Result	Unit	Bio. Ref. Range	Method		

LIVER FUNCTION TEST (LFT), SERUM				
BILIRUBIN, TOTAL	0.30	mg/dL	0.20-1.20	DIAZO METHOD
BILIRUBIN CONJUGATED (DIRECT)	0.10	mg/dL	0.0-0.3	Calculated
BILIRUBIN (INDIRECT)	0.20	mg/dL	0.0-1.1	Dual Wavelength
ALANINE AMINOTRANSFERASE (ALT/SGPT)	38	U/L	<50	Visible with P-5-P
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	26.0	U/L	17-59	UV with P-5-P
ALKALINE PHOSPHATASE	70.00	U/L	38-126	p-nitrophenyl phosphate
PROTEIN, TOTAL	7.60	g/dL	6.3-8.2	Biuret
ALBUMIN	4.30	g/dL	3.5 - 5	Bromocresol Green
GLOBULIN	3.30	g/dL	2.0-3.5	Calculated
A/G RATIO	1.3		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 > 1In Alcoholic Liver Disease AST: ALT usually >2. This ratio is also seen to be increased in NAFLD, Wilsons's diseases, Cirrhosis, but the increase is usually not >2.

2. Cholestatic Pattern:

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

3. Synthetic function impairment:

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

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Status : Final Report

Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

: 27/Nov/2023 07:10PM

DEPARTMENT OF BIOCHEMISTRY ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324 Test Name Result Unit Bio. Ref. Range Method

Reported

RENAL PROFILE/KIDNEY FUNCTION TEST (RFT/KFT) , SERUM							
CREATININE	1.00	mg/dL	0.66-1.25	Creatinine amidohydrolase			
UREA	33.40	mg/dL	19-43	Urease			
BLOOD UREA NITROGEN	15.6	mg/dL	8.0 - 23.0	Calculated			
URIC ACID	7.10	mg/dL	3.5-8.5	Uricase			
CALCIUM	9.20	mg/dL	8.4 - 10.2	Arsenazo-III			
PHOSPHORUS, INORGANIC	3.70	mg/dL	2.5-4.5	PMA Phenol			
SODIUM	135	mmol/L	135-145	Direct ISE			
POTASSIUM	4.6	mmol/L	3.5-5.1	Direct ISE			
CHLORIDE	102	mmol/L	98 - 107	Direct ISE			

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Age/Gender : 39 Y 2 M 16 D/M UHID/MR No : SCHI.0000016435

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Reported : 27/Nov/2023 05:20PM

Status : Final Report

Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF BIOCHEMISTRY						
ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324						
Test Name Result Unit Bio. Ref. Range Method						

		<u> </u>		
GAMMA GLUTAMYL TRANSPEPTIDASE	48.00	U/L	15-73	Glyclyclycine
(GGT) , SERUM				Nitoranalide

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Age/Gender : 39 Y 2 M 16 D/M

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Ref Doctor : Dr.SELF Emp/Auth/TPA ID : sgadf Collected : 27/Nov/2023 10:13AM

Received : 27/Nov/2023 06:36PM Reported : 27/Nov/2023 07:49PM

Status : Final Report

Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF IMMUNOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324						
Test Name	Result	Unit	Bio. Ref. Range	Method		

THYROID PROFILE TOTAL (T3, T4, TSH), SERUM							
TRI-IODOTHYRONINE (T3, TOTAL)	1.15	ng/mL	0.7-2.04	CLIA			
THYROXINE (T4, TOTAL)	11.15	μg/dL	5.48-14.28	CLIA			
THYROID STIMULATING HORMONE (TSH)	1.871	μIU/mL	0.34-5.60	CLIA			

Comment:

lkor nregnant 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

- 1. 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.
- **2.** 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.
- 3. 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.
- 4. Significant variations in TSH can occur with circadian rhythm, hormonal status, stress, sleep deprivation, medication & circulating antibodies.

TSH	Т3	Т4	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

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Age/Gender : 39 Y 2 M 16 D/M

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Collected : 27/Nov/2023 10:13AM Received : 27/Nov/2023 12:17PM

Reported : 27/Nov/2023 12:42PM

: Final Report Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF CLINICAL PATHOLOGY							
ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324							
Test Name Result Unit Bio. Ref. Range Method							

Status

COMPLETE URINE EXAMINATION (CUE)	, URINE			
PHYSICAL EXAMINATION				
COLOUR	PALE YELLOW		PALE YELLOW	Visual
TRANSPARENCY	CLEAR		CLEAR	Visual
рН	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	1		
PUS CELLS	2-3	/hpf	0-5	Microscopy
EPITHELIAL CELLS	1-2	/hpf	<10	MICROSCOPY
RBC	ABSENT	/hpf	0-2	MICROSCOPY
CASTS	ABSENT		0-2 Hyaline Cast	MICROSCOPY
CRYSTALS	ABSENT		ABSENT	MICROSCOPY

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Age/Gender : 39 Y 2 M 16 D/M

UHID/MR No : SCHI.0000016435

Visit ID : SCHIOPV23385

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Dr. SHWETA GUPTA

MBBS,MD (Pathology)

Consultant Pathology

Collected : 27/Nov/2023 10:13AM

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Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO - PAN INDIA - FY2324								
Test Name	Result	Unit	Bio. Ref. Range	Method				

URINE GLUCOSE(POST PRANDIAL)	NEGATIVE	NEGATIVE	Dipstick	
URINE GLUCOSE(FASTING)	NEGATIVE	NEGATIVE	Dipstick	

*** End Of Report ***

Dr Nidhi Sachdev M.B.B.S,MD(Pathology) Consultant Pathologist

Dr.Lovekesh Monga M.B.B.S,M.D(Pathology) Consultant Pathologist. Dr.Tanish Mandal M.B.B.S,M.D(Pathology) Consultant Pathologist

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