





: Mrs.ANAMIKA CHOUDHARY

Age/Gender

: 35 Y 8 M 10 D/F

UHID/MR No

: CJPN.0000096022

Visit ID

: CJPNOPV200626

Ref Doctor Emp/Auth/TPA ID : Dr.SELF : 35E7367 Collected

: 13/Jul/2024 10:39AM

Received

: 13/Jul/2024 04:29PM

Reported

: 13/Jul/2024 06:45PM

Status

: Final Report

Sponsor Name

: ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF HAEMATOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY HC STARTER FEMALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
HEMOGRAM , WHOLE BLOOD EDTA				
HAEMOGLOBIN	13.9	g/dL	12-15	Spectrophotometer
PCV	42.40	%	36-46	Electronic pulse & Calculation
RBC COUNT	4.51	Million/cu.mm	3.8-4.8	Electrical Impedence
MCV	93.9	fL	83-101	Calculated
MCH	30.9	pg	27-32	Calculated
MCHC	32.9	g/dL	31.5-34.5	Calculated
R.D.W	13.2	%	11.6-14	Calculated
TOTAL LEUCOCYTE COUNT (TLC)	4,880	cells/cu.mm	4000-10000	Electrical Impedance
DIFFERENTIAL LEUCOCYTIC COUNT (DLC)			
NEUTROPHILS	48.2	%	40-80	Electrical Impedance
LYMPHOCYTES	37.6	%	20-40	Electrical Impedance
EOSINOPHILS	9.2	%	1-6	Electrical Impedance
MONOCYTES	4.9	%	2-10	Electrical Impedance
BASOPHILS	0.1	%	<1-2	Electrical Impedance
ABSOLUTE LEUCOCYTE COUNT				
NEUTROPHILS	2352.16	Cells/cu.mm	2000-7000	Calculated
LYMPHOCYTES	1834.88	Cells/cu.mm	1000-3000	Calculated
EOSINOPHILS	448.96	Cells/cu.mm	20-500	Calculated
MONOCYTES	239.12	Cells/cu.mm	200-1000	Calculated
BASOPHILS	4.88	Cells/cu.mm	0-100	Calculated
Neutrophil lymphocyte ratio (NLR)	1.28		0.78- 3.53	Calculated
PLATELET COUNT	208000	cells/cu.mm	150000-410000	Electrical impedence
ERYTHROCYTE SEDIMENTATION RATE (ESR)	17	mm at the end of 1 hour	0-20	Modified Westegren method
PERIPHERAL SMEAR				

Dr.Harshitha Y M.B.B.S,M.D(Pathology) Consultant Pathologist Dr Priya Murthy M.B.B.S,M.D(Pathology) Consultant Pathologist Page 1 of 14

SIN No:BED240183512

This test has been performed at Apollo Health & Lifestyle Ltd, RRL BANGALORE Laboratory

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Apollo Health and Lifestyle Limited (CIN-U85110TG2000PLC115819)

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APOLLO CLINICS NETWORK









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RBCs: are normocytic normochromic

WBCs: are normal in total number with increase in eosinophils.

PLATELETS: appear adequate in number.

HEMOPARASITES: negative

IMPRESSION: NORMOCYTIC NORMOCHROMIC BLOOD PICTURE WITH EOSINOPHILIA.

Dr.Harshitha Y M.B.B.S,M.D(Pathology) Consultant Pathologist Dr Priya Murthy
M.B.B.S,M.D(Pathology)
Consultant Pathologist

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DEPARTMENT OF HAEMATOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY HC STARTER FEMALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
BLOOD GROUP ABO AND RH FAC	TOR , WHOLE BLOOD ED	ΓA		
BLOOD GROUP TYPE	0			Microplate Hemagglutination
Rh TYPE	Positive			Microplate Hemagglutination

Dr. Harshitha Y M.B.B.S.M.D(Pathology) Consultant Pathologist

M.B.B.S,M.D(Pathology) Consultant Pathologist

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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY HC STARTER FEMALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
GLUCOSE, FASTING, NAF PLASMA	99	mg/dL	70-100	HEXOKINASE

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.

Page 4 of 14



Dr Priya Murthy
M.B.B.S,M.D(Pathology)
Consultant Pathologist

SIN No:PLF02188323

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Patient Name : Mrs.ANAMIKA CHOUDHARY

Age/Gender : 35 Y 8 M 10 D/F UHID/MR No : CJPN.0000096022

Visit ID : CJPNOPV200626

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Reported : 13/Jul/2024 09:16PM

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DEPARTMENT OF BIOCHEMISTRY

Status

ARCOFEMI - MEDIWHEEL - FULL BODY HC STARTER FEMALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
HBA1C (GLYCATED HEMOGLOBIN), WA	HOLE 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.

- 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

 - B: Homozygous Hemoglobinopathy.

(Hb Electrophoresis is recommended method for detection of Hemoglobinopathy)

Dr.Govinda Raju N L MSc,PhD(Biochemistry) Consultant Biochemistry M.B.B.S, M.D (Pathology) Consultant Pathologist

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SIN No:EDT240076605

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DEPARTMENT OF BIOCHEMISTRY

Status

ARCOFEMI - MEDIWHEEL - FULL BODY HC STARTER FEMALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
L IPID PROFILE , SERUM				
TOTAL CHOLESTEROL	147	mg/dL	<200	CHO-POD
TRIGLYCERIDES	98	mg/dL	<150	GPO-POD
HDL CHOLESTEROL	49	mg/dL	40-60	Enzymatic Immunoinhibition
NON-HDL CHOLESTEROL	98	mg/dL	<130	Calculated
LDL CHOLESTEROL	78.1	mg/dL	<100	Calculated
VLDL CHOLESTEROL	19.6	mg/dL	<30	Calculated
CHOL / HDL RATIO	2.99		0-4.97	Calculated
ATHEROGENIC INDEX (AIP)	< 0.01		<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

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.

Dr. Govinda Raju N L MSc,PhD(Biochemistry) Consultant Biochemistry M.B.B.S, M.D (Pathology) Consultant Pathologist

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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY HC STARTER FEMALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
IVER FUNCTION TEST (LFT), SERUM				
BILIRUBIN, TOTAL	0.57	mg/dL	0.3–1.2	DPD
BILIRUBIN CONJUGATED (DIRECT)	0.13	mg/dL	<0.2	DPD
BILIRUBIN (INDIRECT)	0.44	mg/dL	0.0-1.1	Dual Wavelength
ALANINE AMINOTRANSFERASE (ALT/SGPT)	17	U/L	<35	IFCC
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	21.0	U/L	<35	IFCC
ALKALINE PHOSPHATASE	69.00	U/L	30-120	IFCC
PROTEIN, TOTAL	7.58	g/dL	6.6-8.3	Biuret
ALBUMIN	4.54	g/dL	3.5-5.2	BROMO CRESOL GREEN
GLOBULIN	3.04	g/dL	2.0-3.5	Calculated
A/G RATIO	1.49		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, Wilsons's diseases, Cirrhosis, but the increase is usually not >2

2. Cholestatic Pattern:

Dr.Govinda Raju N L MSc,PhD(Biochemistry) Consultant Biochemistry Dr Priya Murthy M.B.B.S,M.D(Pathology) Consultant Pathologist Page 7 of 14



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- 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.Govinda Raju N L MSc,PhD(Biochemistry) Consultant Biochemistry M.B.B.S, M.D (Pathology) Consultant Pathologist

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Test Name	Result	Unit	Bio. Ref. Range	Method
RENAL PROFILE/KIDNEY FUNCTION	TEST (RFT/KFT), SEF	RUM		
CREATININE	0.55	mg/dL	0.66 - 1.09	Modified Jaffe, Kinetic
UREA	23.00	mg/dL	17-43	GLDH, Kinetic Assay
BLOOD UREA NITROGEN	10.8	mg/dL	8.0 - 23.0	Calculated
URIC ACID	2.86	mg/dL	2.6-6.0	Uricase PAP
CALCIUM	9.80	mg/dL	8.8-10.6	Arsenazo III
PHOSPHORUS, INORGANIC	3.59	mg/dL	2.5-4.5	Phosphomolybdate Complex
SODIUM	138	mmol/L	136–146	ISE (Indirect)
POTASSIUM	4.8	mmol/L	3.5–5.1	ISE (Indirect)
CHLORIDE	105	mmol/L	101–109	ISE (Indirect)
PROTEIN, TOTAL	7.58	g/dL	6.6-8.3	Biuret
ALBUMIN	4.54	g/dL	3.5-5.2	BROMO CRESOL GREEN
GLOBULIN	3.04	g/dL	2.0-3.5	Calculated
A/G RATIO	1.49		0.9-2.0	Calculated

Dr.Govinda Raju N L MSc,PhD(Biochemistry) Consultant Biochemistry Dr Priva Murthy M.B.B.S,M.D(Pathology) Consultant Pathologist Page 9 of 14



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Test Name	Result	Unit	Bio. Ref. Range	Method
GAMMA GLUTAMYL TRANSPEPTIDASE (GGT) , SERUM	23.00	U/L	<38	IFCC

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Consultant Pathologist

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: ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF IMMUNOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY HC STARTER FEMALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
THYROID PROFILE TOTAL (T3, T4, TSH) ,	, SERUM			
TRI-IODOTHYRONINE (T3, TOTAL)	1.06	ng/mL	0.7-2.04	CLIA
THYROXINE (T4, TOTAL)	12.94	μg/dL	5.48-14.28	CLIA
THYROID STIMULATING HORMONE (TSH)	3.038	μIU/mL	0.34-5.60	CLIA

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		

- 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	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 Replaceme 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			

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M.B.B.S, M.D (Pathology) Consultant Pathologist

SIN No:SPL24116869

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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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Dr Priya Murthy
M.B.B.S,M.D(Pathology)
Consultant Pathologist

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DEPARTMENT OF CLINICAL PATHOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY HC STARTER FEMALE - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
OMPLETE URINE EXAMINATION (C	CUE) , URINE			
PHYSICAL EXAMINATION				
COLOUR	AMBER		PALE YELLOW	Physical measurement
TRANSPARENCY	Light turbid		CLEAR	Physical measurement
рН	6.0		5-7.5	Bromothymol Blue
SP. GRAVITY	1.015		1.002-1.030	Dipstick
BIOCHEMICAL EXAMINATION				
URINE PROTEIN	NEGATIVE		NEGATIVE	PROTEIN ERROR OF INDICATOR
GLUCOSE	NORMAL		NEGATIVE	GOD-POD
URINE BILIRUBIN	NEGATIVE		NEGATIVE	AZO COUPLING
URINE KETONES (RANDOM)	NEGATIVE		NEGATIVE	Sodium nitro prusside
UROBILINOGEN	NORMAL		NORMAL (0.1- 1.8mg/dl)	Diazonium salt
NITRITE	NEGATIVE		NEGATIVE	Griess reaction
LEUCOCYTE ESTERASE	POSITIVE+++		NEGATIVE	Diazonium salt
CENTRIFUGED SEDIMENT WET M	OUNT AND MICROSCOP	Y		
PUS CELLS	PLENTY	/hpf	0-5	Automated Image based microscopy
EPITHELIAL CELLS	28	/hpf	< 10	Automated Image Based Microscopy
RBC	3	/hpf	0-2	Automated Image based microscopy
CASTS	NEGATIVE	/lpf	0-2 Hyaline Cast	Automated Image based microscopy
CRYSTALS	NEGATIVE	/hpf	Occasional-Few	Automated Image based microscopy

Dr. Harshitha Y

M.B.B.S.M.D(Pathology) Consultant Pathologist

M.B.B.S,M.D(Pathology) Consultant Pathologist

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SIN No:UR2386377

This test has been performed at Apollo Health & Lifestyle Ltd, RRL BANGALORE Laboratory

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: Mrs.ANAMIKA CHOUDHARY

Age/Gender

: 35 Y 8 M 10 D/F

UHID/MR No

: CJPN.0000096022

Visit ID

: CJPNOPV200626

Ref Doctor Emp/Auth/TPA ID : Dr.SELF : 35E7367 Collected

: 13/Jul/2024 10:39AM

Received

: 13/Jul/2024 05:28PM

Reported

: 13/Jul/2024 06:11PM

Status

: Final Report

Sponsor Name

: ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF CLINICAL PATHOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY HC STARTER FEMALE - PAN INDIA - FY2324

Comment:

All urine samples are checked for adequacy and suitability before examination. Microscopy findings are reported as an average of 10 high power fields.

*** End Of Report ***

Result/s to Follow: PERIPHERAL SMEAR

Dr.Harshitha Y M.B.B.S,M.D(Pathology) Consultant Pathologist Dr Priya Murthy M.B.B.S,M.D(Pathology) Consultant Pathologist Page 14 of 14



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Patient Name : Mrs. ANAMIKA Choudhary Age/Gender : 35 Y/F UHID/MR No. : CJPN.0000096022 **OP Visit No** : CJPNOPV200626 Sample Collected on : : 13-07-2024 14:25 Reported on LRN# : RAD2378133 Specimen Ref Doctor : SELF Emp/Auth/TPA ID : 35E7367

DEPARTMENT OF RADIOLOGY

ULTRASOUND - WHOLE ABDOMEN

LIVER: Normal in size (14.9 cm) and increased in echotexture. No focal lesion seen.

No intra hepatic biliary / venous radicular dilation.

CBD and Main Portal vein appear normal.

GALL BLADDER: Contracted. Echogenic calculus noted measuring~13mm.

SPLEEN: Normal in size (9.0 cm) and echotexture. No focal lesion was seen.

PANCREAS: Appeared normal to the visualized extent.

KIDNEYS: Both kidneys are normal in size, shape and outlines Cortico medullary delineation is

normal. No Hydronephrosis / No calculi.

Right kidney measures: 10.3 x 1.9 cm.

Left kidney measures: 11.2 x 2.7 cm.

URINARY BLADDER: Well distended. Normal in internal contents. Wall thickness is normal.

UTERUS: Normal in size and echotexture. It measures: 6.7 x 4.6 x 5.4 cm. Uniform myometrial echoes are normal. Endometrial thickness measuring-11 mm.

No focal lesion was noted.

OVARIES: Both ovaries are normal in size.

Right ovary measures : 4.4 x 2.3 cm. Left ovary measures :3.1 x 3.2 cm.

No free fluid is seen in the peritoneum. No lymphadenopathy.



Patient Name : Mrs. ANAMIKA Choudhary

Age/Gender

: 35 Y/F

IMPRESSION :1)GRADE I FATTY LIVER. 2)CHOLELITHIASIS.

Please Note: No preparation done before scanning.

DR.DR.SUJIT M CONSULTANT RADIOLOGIST

(The sonography findings should always be considered in correlation with the clinical and other investigation finding where applicable.) It is only a professional opinion, Not valid for medico legal purpose.

 $\frac{\text{Dr. KUSUMA JAYARAM}}{\text{MBBS,DMRD}}$ Radiology