



DEPARTMENT OF LABORATORY SERVICES

Patient	Mrs. RITA NADIYA	Lab No/ManualNo	5362992/
UHIDNo/IPNO	300442971	CollectionDate	20/02/2024 10:17AM
Age/Gender	41 Years/Female	Receiving Date	20/02/2024 10:19AM
Bed No/Ward	OPD	Report Date	20/02/2024 3:49PM
Referred By	Dr. Casualty Medical Officer	Report Status	Final
		Sample Quality	Normal

Test Name	Result	Unit	Bio. Ref. Range	Method	Sample
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Biochemistry

ArcoFemi Healthcare Ltd Above 40 Female

LIPID PROFILE (WITH DIRECT LDL)

Serum

Sample Type	Fasting				
Cholesterol Total	154.70	mg/dL	Less than 160 mg/dL Excellent Less than 200 mg/dL Desirable 200-239 mg/dL Borderline High 240 mg/dl & over high	Enzymatic (CHE/CHO/POD)	
Triglycerides	62.20	mg/dL	Less than 150 mg/dL Normal 150-199 mg/dL Borderline High 200-499 mg/dL High 500 mg/dL or greater very High	GPO-PAP	
HDL Cholesterol	45.20	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	104.70	mg/dL	Less than 80 mg/dL Excellent Less than 100 mg/dL Optimal 100-129 mg/dL Near or above optimal 130-159 mg/dL Borderline High 160-189 mg/dL High 190 mg/dL & above Very High	Homogenous Enzymatic	
VLDL Cholesterol	12.44	mg/dL	< 30	Calculated	
LDL/HDL RATIO	2.32		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	3.42		< 4.50		

Dr. Kazumi Gondalia
M.D (Path)



JCI (USA)

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Biochemistry

ArcoFemi Healthcare Ltd Above 40 Female

					Serum
Gamma GT	13.80	U/L	6.00 - 42.00	Enzymatic method	Serum
Creatinine	0.62	mg/dL	0.50 - 0.90	Jaffe Kinetic Compensated	Serum
Uric Acid	3.5	mg/dL	2.4 - 5.7	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	91.7	mg/dL	< 100.0	Hexokinase	Serum

As per ADA Guideline

For Fasting Plasma Glucose

Normal : Less than 100 mg/dL

Prediabetes : 100 mg/dL to 125 mg/dL

Diabetes : 126 mg/dL or Higher

For 2 hrs Plasma Glucose after 75 Gms Glucose load

Normal : Less than 140 mg/dL

Prediabetes : 140 to 199 mg/dL

Diabetes : 200 mg/dL or higher

For Random Plasma Glucose

Diabetes is diagnosed at blood glucose greater than or equal to 200 mg/dL

Serum

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Post prandial Glucose 84.8 mg/dL < 140.0 Hexokinase

As per ADA Guideline

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LIVER FUNCTION TEST (LFT) SERUM

Serum

SGPT(ALT)	17.00	U/L	0.00 - 33.00	IFCC without pyridoxal phosphate
SGOT(AST)	21.60	U/L	0.00 - 32.00	IFCC without pyridoxal phosphate
Alkaline Phosphatase	85.4	U/L	35.0 - 140.0	PNP-Standardize
Bilirubin Total	0.34	mg/dL	0.00 - 1.00	Diazo Method
Bilirubin Direct	0.12	mg/dL	0.00 - 0.20	Diazo Method
Bilirubin Indirect	0.22	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin
Protein Total	7.47	g/dL	6.40 - 8.20	Biuret Method
Albumin	4.44	g/dL	3.97 - 4.95	BCG Endpoint
Globulin	3.03	g/dL	2.20 - 3.50	Calculated
A/G Ratio	1.47	Ratio	0.90 - 2.80	Ratio

EDTA Blood

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HbA1c (Glyco Hb)	5.76	%	4.8 % - 5.9 % Normal 5.9 % - 7.0 % Good diabetic Control 7.0 % - 10.00 % Fair Diabetic Control >10.0 % Poor diabetic Control	Immunoturbidimetric	
Mean Plasma Glucose	127.5	mg/dL	80.0 - 140.0		Serum
Blood Urea	18.2	mg/dL	16.6 - 48.5	Urease, Kinetic, GLDH	
BUN*	8.5	mg/dL	6.0 - 20.0	Ureas with UV	Serum
TOTAL T3*	1.450	ng/mL	0.850 - 2.020	ECLIA.	
TOTAL T4*	8.170	ug/dL	5.130 - 14.060	ECLIA.	
THYROID STIMULATING HORMONE	0.936	uIU/mL	0.270 - 4.200	ECLIA.	

(* Not in NABL Scope)

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Clinical Pathology

ArcoFemi Healthcare Ltd Above 40 Female

URINE ROUTINE EXAMINATION

Urine

Physical Examination:

Quantity	20 ml			Visual method	
Colour	Pale Yellow			Visual method	
Appearance:	Clear			Visual method	
Reaction	6			Reflectance photometer	
Sp. Gravity	1.015		1.015 - 1.030	Reflectance photometer/Enzymatic reaction	

Chemical Examination:

U.Albumin	Nil			Reflectance photometer/Manual	
U.Gluocse	Nil				
U.Acetone	Absent				
BS/BP	Absent				

Microscopic Examination

Pus Cell	Occasional		/H.P.F.	Microscopy	
Red Blood Cell	Nil		/H.P.F.		
Epithelial cell	1-2		/H.P.F.		
Cast	Absent				
Crystals	Absent				
Amorphous	Absent				
Monilia	Absent				

End Of Report

Dr. Jitendra Narendrabhai Nayak
Reg.No:G-14786
Consultant Pathologist



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Haematology

ArcoFemi Healthcare Ltd Above 40 Female

CBC WITH ESR

EDTA Blood

Haemoglobin	L 11.3	g/dL	12.5 - 16.0	SLS Method	
Hematocrit/PCV	37.9	%	37.0 - 47.0	H.focusing Method	
RBC COUNT	5.23	mill/Cmm	4.20 - 5.40	H.focusing impedance	
MCV	L 72.5	fl	83.0 - 101.0	Calculated	
MCH	L 21.6	pg	27.0 - 31.0	Calculated	
MCHC	L 29.8	g/dL	32.0 - 36.0	Calculated	
RDW-CV	H 17.3	%	11.5 - 14.0	Calculated	
Platelet count	374000	/cumm	150000 - 410000	H.focusing impedance	
Mean Platelet Volume(MPV)*	8.7	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	7330.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
Differential Leucocyte Count				Flowcytometry/Microscopic	
Neutrophils	54	%	40.0 - 70.0		
Lymphocytes	38	%	22 - 45		
Eosinophils	04	%	1.0 - 4.0		
Monocytes	04	%	1.0 - 6.0		
Basophils	00	%	0.0 - 1.0		
Absolute Leucocyte Count					
Absolute Neutrophil Count*	3958.2	/cumm	1800 - 7700		
Absolute Lymphocyte count*	2785.4	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	293.2	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	293.2	/cumm	0 - 800		
Peripheral Smear Study	RBCs shows Anisocytosis(+),Microcytosis(+),Hypochromia(+).Platelets are adequate in number. Malarial Parasites are not seen.No Premature cells are seen.				
Erythrocyte Sedimentation Rate (ESR)	H 46	mm/hr	0 - 12	Photometric capillary stopped flow kinetic	

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Immuno-Haematology

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BLOOD GROUPING

EDTA Blood

ABO Group	"O"			Tube Agglutination Method	
Rh Type	Positive				

End Of Report

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