



DEPARTMENT OF LABORATORY SERVICES

Patient	Mrs. SIMMIBEN .	Lab No/ManualNo	5340388/
UHIDNo/IPNO	300439859	CollectionDate	26/01/2024 9:17AM
Age/Gender	48 Years/Female	Receiving Date	26/01/2024 9:17AM
Bed No/Ward	OPD	Report Date	27/01/2024 4:09PM
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

Serum

Gamma GT	19.40	U/L	6.00 - 42.00	Enzymatic method	Serum
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Creatinine	0.50	mg/dL	0.50 - 0.90	Jaffe Kinetic Compensated	Serum
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Uric Acid	4.0	mg/dL	2.4 - 5.7	Uricase / Peroxidase (Colorimetric)	Serum
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Fasting Glucose	H 154.2	mg/dL	< 100.0	Hexokinase	Serum
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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

LIVER FUNCTION TEST (LFT) SERUM

Serum



Dr. Viyati Chetanbhai Vithlani
 MBBS+MD Pathology
 Pathologist



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SGPT(ALT)	16.50	U/L	0.00 - 33.00	IFCC without pyridoxal phosphate	
SGOT(AST)	15.80	U/L	0.00 - 32.00	IFCC without pyridoxal phosphate	
Alkaline Phosphatase	110.9	U/L	35.0 - 140.0	PNP-Standardize	
Bilirubin Total	0.23	mg/dL	0.00 - 1.00	Diazo Method	
Bilirubin Direct	0.11	mg/dL	0.00 - 0.20	Diazo Method	
Bilirubin Indirect	0.12	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin	
Protein Total	7.15	g/dL	6.40 - 8.20	Biuret Method	
Albumin	4.04	g/dL	3.97 - 4.95	BCG Endpoint	
Globulin	3.11	g/dL	2.20 - 3.50	Calculated	
A/G Ratio	1.30	Ratio	0.90 - 2.80	Ratio	
					EDTA Blood
HbA1c (Glyco Hb)	7.98	%	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	H 206.7	mg/dL	80.0 - 140.0		Serum
Blood Urea	20.0	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH	
BUN*	9.3	mg/dL	6.0 - 20.0	Ureas with UV	Serum

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TOTAL T3*	1.300	ng/mL	0.850 - 2.020	ECLIA.
TOTAL T4*	7.470	ug/dL	5.130 - 14.060	ECLIA.
THYROID STIMULATING HORMONE	1.760	uIU/mL	0.270 - 4.200	ECLIA.

(*) Not in NABL Scope

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Biochemistry

ArcoFemi Healthcare Ltd Above 40 Female

Serum

Post prandial Glucose	H	209.1	mg/dL	< 140.0	Hexokinase
Post prandial Urine Glucose		S.N.G. = Sample Not Given			

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

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Dr. Jitendra Narendrabhai Nayak

Reg.No:G-14786

Consultant Pathologist



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Biochemistry

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LIPID PROFILE (WITH DIRECT LDL)

Serum

Sample Type	Fasting				
Cholesterol Total	221.50	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	155.60	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	41.10	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	163.90	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	H 31.12	mg/dL	< 30	Calculated	
LDL/HDL RATIO	H 3.99		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	H 5.39		< 4.50		



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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	5			Reflectance photometer	
Sp. Gravity	1.020		1.015 - 1.030	Reflectance photometer/Enzymatic reaction	

Chemical Examination:

U.Albumin	Nil			Reflectance photometer/Manual	
U.Glucose	Present(+)				
U.Acetone	Nil				
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				
Other:	Absent				

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Haematology

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CBC WITH ESR

EDTA Blood

Haemoglobin	L 11.2	g/dL	12.5 - 16.0	SLS Method	
Hematocrit/PCV	L 36.4	%	37.0 - 47.0	H.focusing Method	
RBC COUNT	4.58	mill/Cmm	4.20 - 5.40	H.focusing impedance	
MCV	L 79.5	fl	83.0 - 101.0	Calculated	
MCH	L 24.5	pg	27.0 - 31.0	Calculated	
MCHC	L 30.8	g/dL	32.0 - 36.0	Calculated	
RDW-CV	H 14.5	%	11.5 - 14.0	Calculated	
Platelet count	H 420000	/cumm	150000 - 410000	H.focusing impedance	
Total Leucocyte Count (TLC)	10200.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
Differential Leucocyte Count				Flowcytometry/Microscopic	
Neutrophils	55	%	40.0 - 70.0		
Lymphocytes	37	%	22 - 45		
Eosinophils	03	%	1.0 - 4.0		
Monocytes	05	%	1.0 - 6.0		
Basophils	00	%	0.0 - 1.0		
Immature Granulocytes	00	%	0 - 2		
Absolute Leucocyte Count					
Absolute Neutrophil Count*	5610	/cumm	1800 - 7700		
Absolute Lymphocyte count*	3774	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	306.0	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	510	/cumm	0 - 800		
Peripheral Smear Study	RBCs are Normochromic & Normocytic. Platelets are adequate in number. Malarial Parasites are not seen. No Premature cells are seen.				
Erythrocyte Sedimentation Rate (ESR)	H 51	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

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