



DEPARTMENT OF LABORATORY SERVICES

Patient	Mr. AMBIJKUMAR MALLIK	Lab No/ManualNo	5388971/
UHIDNo/IPNO	300446755	CollectionDate	19/03/2024 2:53PM
Age/Gender	38 Years/Male	Receiving Date	19/03/2024 2:53PM
Bed No/Ward	OPD	Report Date	19/03/2024 5:38PM
Referred By	Dr. Casualty Medical Officer	Report Status	Final
		Sample Quality	

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

ArcoFemi Healthcare Ltd Below 40 Male

					Serum
Gamma GT	17.80	U/L	10.00 - 71.00	Enzymatic method	Serum
Creatinine	0.92	mg/dL	0.70 - 1.20	Jaffe Kinetic Compensated	Serum
Uric Acid	5.4	mg/dL	3.4 - 7.0	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	93.4	mg/dL	< 100.0	Hexokinase	Serum
As per ADA Guideline Normal : Less than 100 mg/dL Prediabetes : 100 mg/dL to 125 mg/dL Diabetes : 126 mg/dL or Higher					
Random Glucose	93.4	mg/dL	< 140.0	Hexokinase	Serum

Dr. Kazumi Gondalia
M.D (Path)
Reg.No.: G-21729



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As per ADA Guideline
 Normal : Less than 100 mg/dL
 Prediabetes : 100 mg/dL to 125 mg/dL
 Diabetes : 126 mg/dL or Higher

***LIVER FUNCTION TEST (LFT) SERUM**

Serum

SGPT(ALT)	19.00	U/L	0.00 - 41.00	IFCC without pyridoxal phosphate
SGOT(AST)	20.90	U/L	0.00 - 40.00	IFCC without pyridoxal phosphate
Alkaline Phosphatase	91.5	U/L	40.0 - 129.0	PNP-Standardize
Bilirubin Total	H 2.10	mg/dL	0.00 - 1.10	Diazo Method
Bilirubin Direct	H 0.61	mg/dL	0.00 - 0.20	Diazo Method
Bilirubin Indirect	H 1.49	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin
Protein Total	7.43	g/dL	6.40 - 8.20	Biuret Method
Albumin	4.71	g/dL	3.97 - 4.95	BCG Endpoint
Globulin	2.72	g/dL	2.20 - 3.50	Calculated
A/G Ratio	1.73	Ratio	0.90 - 2.80	Ratio

EDTA Blood

HbA1c (Glyco Hb)	5.10	%	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	105.0	mg/dL	80.0 - 140.0	

Serum

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Blood Urea	17.9	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH
BUN*	8.4	mg/dL	6.0 - 20.0	Ureas with UV

Serum

TOTAL T3*	1.340	ng/mL	0.850 - 2.020	ECLIA.
TOTAL T4*	7.570	ug/dL	5.130 - 14.060	ECLIA.
THYROID STIMULATING HORMONE	2.690	uIU/mL	0.270 - 4.200	ECLIA.

(* Not in NABL Scope)

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Biochemistry

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***LIPID PROFILE (WITH DIRECT LDL)**

Serum

Sample Type	Fasting				
Cholesterol Total	148.10	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	111.00	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	36.50	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	96.20	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	22.2	mg/dL	< 30	Calculated	
LDL/HDL RATIO	2.64		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	4.06		< 4.50		

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Clinical Pathology

ArcoFemi Healthcare Ltd Below 40 Male

***URINE ROUTINE EXAMINATION**

Urine

Physical Examination:

Quantity	20 ml			Visual method	
Colour	Pale Yellow			Visual method	
Appearance:	Clear			Visual method	
Reaction	6.0		4.5 - 8.0	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				

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Haematology

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***CBC WITH ESR**

EDTA Blood

Haemoglobin	14.5	g/dL	13.5 - 18.0	SLS Method	
Hematocrit/PCV	45.2	%	42.0 - 52.0	H.focusing Method	
RBC COUNT	L 4.50	mill/Cmm	4.70 - 6.00	H.focusing impedance	
MCV	100.4	fl	83.0 - 101.0	Calculated	
MCH	H 32.2	pg	27.0 - 31.0	Calculated	
MCHC	32.1	g/dL	32.0 - 36.0	Calculated	
RDW-CV	H 15.3	%	11.5 - 14.0	Calculated	
Platelet count	L 99000	/cumm	150000 - 410000	H.focusing impedance	
Mean Platelet Volume(MPV)*	----	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	7230.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
Differential Leucocyte Count				Flowcytometry/Microscopic	
Neutrophils	62	%	40 - 70		
Lymphocytes	30	%	22 - 45		
Eosinophils	04	%	1 - 4		
Monocytes	04	%	1 - 6		
Basophils	00	%	0 - 1		
Absolute Leucocyte Count					
Absolute Neutrophil Count*	4482.6	/cumm	1800 - 7700		
Absolute Lymphocyte count*	2169	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	289.2	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	289.2	/cumm	0 - 800		

Peripheral Smear Study
RBCs are Normochromic & Normocytic. Platelets are decreased in number & Giant platelets are seen.
Platelets On Smear :- 1,40,000/cmm. Malarial Parasites are not seen. No Premature cells are seen.



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Erythrocyte Sedimentation Rate (ESR) 08 mm/hr 0 - 10 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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