



DEPARTMENT OF LABORATORY SERVICES

Patient	Mr. TAPAR SHETHY	Lab No/ManualNo	5389119/
UHIDNo/IPNO	300446800	CollectionDate	19/03/2024 4:51PM
Age/Gender	34 Years/Male	Receiving Date	19/03/2024 6:54PM
Bed No/Ward	OPD	Report Date	19/03/2024 7:27PM
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 Below 40 Male

					Serum
Gamma GT	H 79.20	U/L	10.00 - 71.00	Enzymatic method	Serum
Creatinine	0.77	mg/dL	0.70 - 1.20	Jaffe Kinetic Compensated	Serum
Uric Acid	6.0	mg/dL	3.4 - 7.0	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	86.8	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					
Post prandial Glucose	137.2	mg/dL	< 140.0	Hexokinase	Serum
Post prandial Urine Glucose	S.N.G. = Sample Not Given				



Dr. Kazumi Gondalia
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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)	H 107.40	U/L	0.00 - 41.00	IFCC without pyridoxal phosphate
SGOT(AST)	H 72.90	U/L	0.00 - 40.00	IFCC without pyridoxal phosphate
Alkaline Phosphatase	107.1	U/L	40.0 - 129.0	PNP-Standardize
Bilirubin Total	1.03	mg/dL	0.00 - 1.10	Diazo Method
Bilirubin Direct	H 0.40	mg/dL	0.00 - 0.20	Diazo Method
Bilirubin Indirect	0.63	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin
Protein Total	7.54	g/dL	6.40 - 8.20	Biuret Method
Albumin	4.82	g/dL	3.97 - 4.95	BCG Endpoint
Globulin	2.72	g/dL	2.20 - 3.50	Calculated
A/G Ratio	1.77	Ratio	0.90 - 2.80	Ratio

EDTA Blood

HbA1c (Glyco Hb)	5.60	%	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	120.0	mg/dL	80.0 - 140.0	

Serum



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Blood Urea	L 14.6	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH
BUN*	6.8	mg/dL	6.0 - 20.0	Ureas with UV

Serum

TOTAL T3*	1.450	ng/mL	0.850 - 2.020	ECLIA.
TOTAL T4*	8.830	ug/dL	5.130 - 14.060	ECLIA.
THYROID STIMULATING HORMONE	1.690	uIU/mL	0.270 - 4.200	ECLIA.

(* Not in NABL Scope)

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Biochemistry

ArcoFemi Healthcare Ltd Below 40 Male

***LIPID PROFILE (WITH DIRECT LDL**

Serum

Sample Type	Fasting				
Cholesterol Total	185.10	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	179.90	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	36.90	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	120.80	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 35.98	mg/dL	< 30	Calculated	
LDL/HDL RATIO	3.27		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	H 5.02		< 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	5.0		4.5 - 8.0	Reflectance photometer	
Sp. Gravity	1.020		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	13.6	g/dL	13.5 - 18.0	SLS Method	
Hematocrit/PCV	46.4	%	42.0 - 52.0	H.focusing Method	
RBC COUNT	H 6.12	mill/Cmm	4.70 - 6.00	H.focusing impedance	
MCV	L 75.8	fl	83.0 - 101.0	Calculated	
MCH	L 22.2	pg	27.0 - 31.0	Calculated	
MCHC	L 29.3	g/dL	32.0 - 36.0	Calculated	
RDW-CV	H 17.8	%	11.5 - 14.0	Calculated	
Platelet count	L 108000	/cumm	150000 - 410000	H.focusing impedance	
Mean Platelet Volume(MPV)*	----	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	5530.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
Differential Leucocyte Count				Flowcytometry/Microscopic	
Neutrophils	48	%	40 - 70		
Lymphocytes	40	%	22 - 45		
Eosinophils	H 07	%	1 - 4		
Monocytes	05	%	1 - 6		
Basophils	00	%	0 - 1		
Absolute Leucocyte Count					
Absolute Neutrophil Count*	2654.4	/cumm	1800 - 7700		
Absolute Lymphocyte count*	2212	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	387.1	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	276.5	/cumm	0 - 800		
Peripheral Smear Study	RBCs are Normochromic & Normocytic Platelets are Decreased in number. Platelets On Smear :- 1,15,000/cmm. Malarial Parasites are not seen. No Premature cells are seen.				
Erythrocyte Sedimentation Rate (ESR)	H 26	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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