



DEPARTMENT OF LABORATORY SERVICES

Patient	Mr. ASHISH NARESHBHAI VAGHELA	Lab No/ManualNo	5267612/
UHIDNo/IPNO	300429714	CollectionDate	28/10/2023 9:47AM
Age/Gender	33 Years/Male	Receiving Date	28/10/2023 10:16AM
Bed No/Ward	OPD	Report Date	28/10/2023 1:45PM
Referred By	Dr. Casualty Medical Officer	Report Status	Final

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	0.81	mg/dL	0.70 - 1.20	Jaffe Kinetic Compensated	
Age	33				
Weight	72.9				
Gender	1.00				
eGFR	133.75	mL/minute/1.73 m2	39 - 137		
					Serum
Uric Acid	4.5	mg/dL	3.4 - 7.0	Uricase / Peroxidase (Colorimetric)	
					Serum
Fasting Glucose	88.2	mg/dL	70.0 - 100.0	Hexokinase	
					Serum
Post prandial Glucose	73.6	mg/dL	70.0 - 140.0	Hexokinase	
Post prandial Urine Glucose	S.N.G. = Sample Not Given				

LIVER FUNCTION TEST (LFT) SERUM Serum

SGPT(ALT)	22.80	U/L	0.00 - 41.00	IFCC without pyridoxal phosphate	
SGOT(AST)	19.90	U/L	0.00 - 40.00	IFCC without pyridoxal phosphate	
Alkaline Phosphatase	78.4	U/L	40.0 - 129.0	PNP-Standardize	
Bilirubin Total	0.79	mg/dL	0.00 - 1.10	Diazo Method	
Bilirubin Direct	H 0.24	mg/dL	0.00 - 0.20	Diazo Method	



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Bilirubin Indirect	0.55	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin	
Protein Total	7.60	g/dL	6.40 - 8.20	Biuret Method	
Albumin	4.89	g/dL	3.97 - 4.95	BCG Endpoint	
Globulin	2.71	g/dL	2.20 - 3.50	Calculated	
A/G Ratio	1.80	Ratio	0.90 - 2.80	Ratio	
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	EDTA Blood
Mean Plasma Glucose	122.1	mg/dL	80.0 - 140.0		
Blood Urea	18.8	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH	Serum
BUN*	8.8	mg/dL	6.0 - 20.0	Ureas with UV	
TOTAL T3*	1.300	ng/mL	0.850 - 2.020	ECLIA.	Serum
TOTAL T4*	10.050	ug/dL	5.130 - 14.060	ECLIA.	
THYROID STIMULATING HORMONE	3.900	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	221.10	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	146.90	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	Enzymatic colorimetric	
Cholesterol HDL	34.80	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	170.20	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	
Cholesterol VLDL	29.38	mg/dL	< 30		
LDL/HDL RATIO	H 4.89		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	H 6.35		< 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	6.5		4.5 - 8.0	Reflectance photometer	
Sp. Gravity	1.015		1.015 - 1.030	Reflectance photometer/Enzymatic reaction	

Chemical Examination:

U.Albumin	Nil				
U.Gluocse	Nil				
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					
ArcoFemi Healthcare Ltd Below 40 Male					
					EDTA Blood
CBC WITH ESR					
Haemoglobin	15.0	g/dL	13.5 - 18.0	SLS Method	
Hematocrit/PCV	47.7	%	42.0 - 52.0	H.focusing Method	
RBC COUNT	5.68	mill/Cmm	4.70 - 6.00	H.focusing impedance	
MCV	84.0	fl	83.0 - 101.0	Calculated	
MCH	L 26.4	pg	27.0 - 31.0	Calculated	
MCHC	L 31.4	g/dL	32.0 - 36.0	Calculated	
RDW-CV	13.4	%	11.5 - 14.0	Calculated	
Platelet count	241000	/cumm	150000 - 450000	H.focusing impedance	
Mean Platelet Volume(MPV)*	11	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	6680.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
Differential Leucocyte Count				Flowcytometry/Microscopic	
Neutrophils	55	%	40.0 - 70.0		
Lymphocytes	36	%	22 - 45		
Eosinophils	03	%	1.0 - 4.0		
Monocytes	06	%	1.0 - 6.0		
Basophils	00	%	0.0 - 1.0		
Immature Granulocytes	00	%	0 - 2		
Absolute Leucocyte Count					
Absolute Neutrophil Count*	3674	/cumm	1800 - 7700		
Absolute Lymphocyte count*	2404.8	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	200.4	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	400.8	/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)	20	mm/hr	0 - 30	Modified westergren Method	

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Immuno-Haematology

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BLOOD GROUPING

EDTA Blood

ABO Group	"A"			Tube Agglutination Method	
Rh Type	Positive				

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