



DEPARTMENT OF LABORATORY SERVICES

Patient	Mr. AJAY PRATAP SINGH	Lab No/ManualNo	5396394/
UHIDNo/IPNO	300447802	CollectionDate	28/03/2024 10:06AM
Age/Gender	45 Years/Male	Receiving Date	28/03/2024 10:30AM
Bed No/Ward	OPD	Report Date	28/03/2024 2:10PM
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 Male

					Serum
Gamma GT	H 100.30	U/L	10.00 - 71.00	Enzymatic method	Serum
Creatinine	L 0.62	mg/dL	0.70 - 1.20	Jaffe Kinetic Compensated	
Age	45				
Weight	78				
Gender	1.00				
eGFR	H 165.99	mL/minute/1.73 m ²	76 - 120		Serum
Uric Acid	6.1	mg/dL	3.4 - 7.0	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	H 105.4	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					

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



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Post prandial Glucose 118.0 mg/dL < 140.0 Hexokinase
 Post prandial Urine Glucose S.N.G. = Sample Not Given
 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 88.20	U/L	0.00 - 41.00	IFCC without pyridoxal phosphate
SGOT(AST)	H 106.90	U/L	0.00 - 40.00	IFCC without pyridoxal phosphate
Alkaline Phosphatase	H 185.1	U/L	40.0 - 129.0	PNP-Standardize
Bilirubin Total	0.71	mg/dL	0.00 - 1.10	Diazo Method
Bilirubin Direct	H 0.24	mg/dL	0.00 - 0.20	Diazo Method
Bilirubin Indirect	0.47	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin
Protein Total	7.18	g/dL	6.40 - 8.20	Biuret Method
Albumin	4.31	g/dL	3.97 - 4.95	BCG Endpoint
Globulin	2.87	g/dL	2.20 - 3.50	Calculated
A/G Ratio	1.50	Ratio	0.90 - 2.80	Ratio

EDTA Blood

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HbA1c (Glyco Hb)	6.70	%	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 162.0	mg/dL	80.0 - 140.0		Serum
Prostate Specific Antigen	0.671	ng/mL	0.000 - 4.000	ECLIA	Serum
Blood Urea	L 16.0	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH	
BUN*	7.5	mg/dL	6.0 - 20.0	Ureas with UV	Serum
TOTAL T3*	1.480	ng/mL	0.850 - 2.020	ECLIA.	
TOTAL T4*	6.480	ug/dL	5.130 - 14.060	ECLIA.	
THYROID STIMULATING HORMONE	1.780	uIU/mL	0.270 - 4.200	ECLIA.	

(*) Not in NABL Scope

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Biochemistry

ArcoFemi Healthcare Ltd Above 40 Male

***LIPID PROFILE (WITH DIRECT LDL**

Serum

Sample Type	Fasting				
Cholesterol Total	189.70	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	117.90	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	54.90	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	124.60	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	23.58	mg/dL	< 30	Calculated	
LDL/HDL RATIO	2.27		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	3.46		< 4.50		

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Clinical Pathology

ArcoFemi Healthcare Ltd Above 40 Male

***URINE ROUTINE EXAMINATION**

Urine

Physical Examination:

Quantity	20 ml			Visual method	
Colour	Pale Yellow			Visual method	
Appearance:	Clear			Visual method	
Reaction	7.0		4.5 - 8.0	Reflectance photometer	
Sp. Gravity	1.005		1.015 - 1.030	Reflectance photometer/Enzymatic reaction	

Chemical Examination:

U.Albumin	Nil			Reflectance photometer/Manual	
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 Above 40 Male

***CBC WITH ESR**

EDTA Blood

Haemoglobin	14.7	g/dL	13.5 - 18.0	SLS Method	
Hematocrit/PCV	44.0	%	42.0 - 52.0	H.focusing Method	
RBC COUNT	4.77	mill/Cmm	4.70 - 6.00	H.focusing impedance	
MCV	92.2	fl	83.0 - 101.0	Calculated	
MCH	30.8	pg	27.0 - 31.0	Calculated	
MCHC	33.4	g/dL	32.0 - 36.0	Calculated	
RDW-CV	13.7	%	11.5 - 14.0	Calculated	
Platelet count	175000	/cumm	150000 - 410000	H.focusing impedance	
Total Leucocyte Count (TLC)	6920.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
Differential Leucocyte Count				Flowcytometry/Microscopic	
Neutrophils	60	%	40 - 70		
Lymphocytes	32	%	22 - 45		
Eosinophils	03	%	1 - 4		
Monocytes	05	%	1 - 6		
Basophils	00	%	0 - 1		
Absolute Leucocyte Count					
Absolute Neutrophil Count*	4152	/cumm	1800 - 7700		
Absolute Lymphocyte count*	2214.4	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	207.6	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	346	/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 30	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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