



DEPARTMENT OF LABORATORY SERVICES

Patient	Mr. TUSHAR KHEMCHAND MAHERIA	Lab No/ManualNo	5378772/
UHIDNo/IPNO	300445168	CollectionDate	08/03/2024 8:34AM
Age/Gender	34 Years/Male	Receiving Date	08/03/2024 8:49AM
Bed No/Ward	OPD	Report Date	08/03/2024 1:18PM
Referred By	Dr. Casualty Medical Officer	Report Status	Final
		Sample Quality	Normal

Test Name	Result	Unit	Bio. Ref. Range	Method	Sample
Biochemistry ArcoFemi Healthcare Ltd Below 40 Male					
					Serum
Gamma GT	17.80	U/L	10.00 - 71.00	Enzymatic method	Serum
Creatinine	0.96	mg/dL	0.70 - 1.20	Jaffe Kinetic Compensated	
Age	34				
Weight	64				
Gender	1				
eGFR	98.15	mL/minute/1.73 m ²	39 - 137		Serum
Uric Acid	5.5	mg/dL	3.4 - 7.0	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	90.4	mg/dL	< 100.0	Hexokinase	

Dr. Viyati Chetanbhai Vithlani
MBBS+MD Pathology
Pathologist



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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

SGPT(ALT)	13.80	U/L	0.00 - 41.00	IFCC without pyridoxal phosphate
SGOT(AST)	14.90	U/L	0.00 - 40.00	IFCC without pyridoxal phosphate
Alkaline Phosphatase	94.4	U/L	40.0 - 129.0	PNP-Standardize
Bilirubin Total	0.40	mg/dL	0.00 - 1.10	Diazo Method
Bilirubin Direct	0.16	mg/dL	0.00 - 0.20	Diazo Method
Bilirubin Indirect	0.24	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin
Protein Total	7.16	g/dL	6.40 - 8.20	Biuret Method
Albumin	4.50	g/dL	3.97 - 4.95	BCG Endpoint
Globulin	2.66	g/dL	2.20 - 3.50	Calculated
A/G Ratio	1.69	Ratio	0.90 - 2.80	Ratio

Serum

Blood Urea	18.4	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH
BUN*	8.6	mg/dL	6.0 - 20.0	Ureas with UV

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Serum

TOTAL T3*	1.170	ng/mL	0.850 - 2.020	ECLIA.
TOTAL T4*	7.990	ug/dL	5.130 - 14.060	ECLIA.
THYROID STIMULATING HORMONE	2.370	uIU/mL	0.270 - 4.200	ECLIA.

(*) Not in NABL Scope

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Biochemistry
ArcoFemi Healthcare Ltd Below 40 Male

Serum

Post prandial Glucose	97.8	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

End Of Report

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



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Biochemistry

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EDTA Blood

HbA1c (Glyco Hb)	5.80	%	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	129.2	mg/dL	80.0 - 140.0		

End Of Report

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	154.60	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	65.80	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	38.70	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	105.00	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	13.16	mg/dL	< 30	Calculated	
LDL/HDL RATIO	2.71		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	3.99		< 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				Microscopy	

Pus Cell	Occasional		/H.P.F.		
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	14.7	g/dL	13.5 - 18.0	SLS Method	
Hematocrit/PCV	45.0	%	42.0 - 52.0	H.focusing Method	
RBC COUNT	5.72	mill/Cmm	4.70 - 6.00	H.focusing impedance	
MCV	L 78.7	fl	83.0 - 101.0	Calculated	
MCH	L 25.7	pg	27.0 - 31.0	Calculated	
MCHC	32.7	g/dL	32.0 - 36.0	Calculated	
RDW-CV	H 14.1	%	11.5 - 14.0	Calculated	
Platelet count	220000	/cumm	150000 - 410000	H.focusing impedance	
Mean Platelet Volume(MPV)*	10.1	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	6210.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
Differential Leucocyte Count				Flowcytometry/Microscopic	
Neutrophils	53	%	40.0 - 70.0		
Lymphocytes	38	%	22 - 45		
Eosinophils	H 05	%	1.0 - 4.0		
Monocytes	04	%	1.0 - 6.0		
Basophils	00	%	0.0 - 1.0		
Absolute Leucocyte Count					
Absolute Neutrophil Count*	3291.3	/cumm	1800 - 7700		
Absolute Lymphocyte count*	2359.8	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	310.5	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	248.4	/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 12	mm/hr	0 - 10	Photometric capillary stopped flow kinetic	

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Immuno-Haematology
ArcoFemi Healthcare Ltd Below 40 Male

BLOOD GROUPING

EDTA Blood

ABO Group	"B"	Tube Agglutination Method
Rh Type	Positive	

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