



DEPARTMENT OF LABORATORY SERVICES

Patient	Mr. JIGNESH N KOTWAL	Lab No/ManualNo	5365953/
UHIDNo/IPNO	300443417	CollectionDate	23/02/2024 8:35AM
Age/Gender	35 Years/Male	Receiving Date	23/02/2024 8:47AM
Bed No/Ward	OPD	Report Date	23/02/2024 12:51PM
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	45.40	U/L	10.00 - 71.00	Enzymatic method	Serum
Creatinine	0.88	mg/dL	0.70 - 1.20	Jaffe Kinetic Compensated	
Age	35				
Weight	89.8				
Gender	1.00				
eGFR	H 148.82	mL/minute/1.73 m2	39 - 137		Serum
Uric Acid	3.9	mg/dL	3.4 - 7.0	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	H 171.6	mg/dL	< 100.0	Hexokinase	

Dr. Jitendra Narendrabhai Nayak
Reg.No:G-14786
Consultant 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)	39.30	U/L	0.00 - 41.00	IFCC without pyridoxal phosphate
SGOT(AST)	25.80	U/L	0.00 - 40.00	IFCC without pyridoxal phosphate
Alkaline Phosphatase	95.8	U/L	40.0 - 129.0	PNP-Standardize
Bilirubin Total	0.35	mg/dL	0.00 - 1.10	Diazo Method
Bilirubin Direct	0.11	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	7.26	g/dL	6.40 - 8.20	Biuret Method
Albumin	4.51	g/dL	3.97 - 4.95	BCG Endpoint
Globulin	2.75	g/dL	2.20 - 3.50	Calculated
A/G Ratio	1.64	Ratio	0.90 - 2.80	Ratio

Serum

Blood Urea	L 11.8	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH
BUN*	L 5.5	mg/dL	6.0 - 20.0	Ureas with UV

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Serum

TOTAL T3*	1.440	ng/mL	0.850 - 2.020	ECLIA.
TOTAL T4*	8.500	ug/dL	5.130 - 14.060	ECLIA.
THYROID STIMULATING HORMONE	1.770	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	H 201.4	mg/dL	< 140.0	Hexokinase
Post prandial Urine Glucose	SNG			

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

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For Random Plasma Glucose

Diabetes is diagnosed at blood glucose greater than or equal to 200 mg/dL

EDTA Blood

HbA1c (Glyco Hb)	8.86	%	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 238.0	mg/dL	80.0 - 140.0	

End Of Report

Dr. Kazumi Gondalia

M.D (Path)

Reg.No.: G-21729



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Biochemistry

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LIPID PROFILE (WITH DIRECT LDL)

Serum

Sample Type	Fasting				
Cholesterol Total	159.30	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	172.10	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	34.50	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	115.00	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	H 34.42	mg/dL	< 30	Calculated	
LDL/HDL RATIO	3.33		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	H 4.62		< 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	1.015		1.015 - 1.030	Reflectance photometer/Enzymatic reaction	

Chemical Examination:

U.Albumin	Nil			Reflectance photometer/Manual	
U.Glucose	Present(++++)				
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				
Other:	Absent				

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Haematology

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CBC WITH ESR

EDTA Blood

Haemoglobin	15.0	g/dL	13.5 - 18.0	SLS Method	
Hematocrit/PCV	47.6	%	42.0 - 52.0	H.focusing Method	
RBC COUNT	H 6.14	mill/Cmm	4.70 - 6.00	H.focusing impedance	
MCV	L 77.5	fl	83.0 - 101.0	Calculated	
MCH	L 24.4	pg	27.0 - 31.0	Calculated	
MCHC	L 31.5	g/dL	32.0 - 36.0	Calculated	
RDW-CV	H 15.6	%	11.5 - 14.0	Calculated	
Platelet count	317000	/cumm	150000 - 410000	H.focusing impedance	
Mean Platelet Volume(MPV)*	10.4	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	6240.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
Differential Leucocyte Count				Flowcytometry/Microscopic	
Neutrophils	L 36	%	40.0 - 70.0		
Lymphocytes	H 55	%	22 - 45		
Eosinophils	H 05	%	1.0 - 4.0		
Monocytes	04	%	1.0 - 6.0		
Basophils	00	%	0.0 - 1.0		
Immature Granulocytes	00	%	0 - 2		
Absolute Leucocyte Count					
Absolute Neutrophil Count*	2246.4	/cumm	1800 - 7700		
Absolute Lymphocyte count*	3432	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	312.0	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	249.6	/cumm	0 - 800		
Peripheral Smear Study	RBCs shows Anisocytosis(+). Platelets are adequate in number. Malarial Parasites are not seen.No Premature cells are seen.				
Erythrocyte Sedimentation Rate (ESR)	H 13	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	"B"			Tube Agglutination Method	
Rh Type	Negative				

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