



DEPARTMENT OF LABORATORY SERVICES

Patient	Mr. KALPESH DINESHBHAI GANDHI	Lab No/ManualNo	5390686/
UHIDNo/IPNO	300447044	CollectionDate	21/03/2024 9:58AM
Age/Gender	56 Years/Male	Receiving Date	21/03/2024 10:15AM
Bed No/Ward	OPD	Report Date	21/03/2024 2:07PM
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	31.30	U/L	10.00 - 71.00	Enzymatic method	Serum
Creatinine	1.01	mg/dL	0.70 - 1.20	Jaffe Kinetic Compensated	Serum
Age	56				
Weight	64				
Gender	1				
eGFR	73.93	mL/minute/1.73 m ²	67 - 109		Serum
Uric Acid	5.7	mg/dL	3.4 - 7.0	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	94.7	mg/dL	< 100.0	Hexokinase	

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



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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

Serum

Post prandial Glucose	132.8	mg/dL	< 140.0	Hexokinase
Post prandial Urine Glucose	S.N.G. = Sample Not Given			

As per ADA Guideline

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Normal : Less than 100 mg/dL

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Diabetes : 126 mg/dL or Higher

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Serum

LIVER FUNCTION TEST (LFT) SERUM

SGPT(ALT)	24.20	U/L	0.00 - 41.00	IFCC without pyridoxal phosphate
SGOT(AST)	18.50	U/L	0.00 - 40.00	IFCC without pyridoxal phosphate

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Alkaline Phosphatase	91.9	U/L	40.0 - 129.0	PNP-Standardize	
Bilirubin Total	0.60	mg/dL	0.00 - 1.10	Diazo Method	
Bilirubin Direct	H 0.23	mg/dL	0.00 - 0.20	Diazo Method	
Bilirubin Indirect	0.37	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin	
Protein Total	7.73	g/dL	6.40 - 8.20	Biuret Method	
Albumin	H 5.02	g/dL	3.97 - 4.95	BCG Endpoint	
Globulin	2.71	g/dL	2.20 - 3.50	Calculated	
A/G Ratio	1.85	Ratio	0.90 - 2.80	Ratio	
					EDTA Blood
HbA1c (Glyco Hb)	5.70	%	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	126.0	mg/dL	80.0 - 140.0		Serum
Prostate Specific Antigen	1.330	ng/mL	0.000 - 4.000	ECLIA	Serum
Blood Urea	17.7	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH	
BUN*	8.3	mg/dL	6.0 - 20.0	Ureas with UV	Serum

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TOTAL T3*	1.110	ng/mL	0.850 - 2.020	ECLIA.
TOTAL T4*	6.700	ug/dL	5.130 - 14.060	ECLIA.
THYROID STIMULATING HORMONE	2.630	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	144.00	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	84.00	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	48.80	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	89.80	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	16.8	mg/dL	< 30	Calculated	
LDL/HDL RATIO	1.84		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	2.95		< 4.50		

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Clinical Pathology

ArcoFemi Healthcare Ltd Above 40 Male

URINE ROUTINE EXAMINATION

Urine

Physical Examination:

Quantity	30 ml			Visual method	
Colour	Pale Yellow			Visual method	
Appearance:	Clear			Visual method	
Reaction	7.0		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	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				
Other:	Absent				

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Clinical Pathology

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STOOL ROUTINE

Stool, Urine

Physical Examination:

Colour	Brownish		
Consistency	Semi Solid		
Mucus	Absent	Absent	
Blood	Absent	Absent	

Chemical Examination:

Stool Occult Blood	Negative	Negative	Non-Benzidine Test /Manual/Strip
Reducing Substances	Absent		Benedicts Method

Microscopic Examination

Pus Cells	Nil	0-5	Microscopy
Red Blood Cell	Nil	/H.P.F.	
Epithelial cell	Nil	/H.P.F.	
Fat Globules	Absent	Absent	
Trophozoites	Absent	Absent	
ova	Absent	Absent	
Cysts	Absent	Absent	
Bacteria	Absent		

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Haematology

ArcoFemi Healthcare Ltd Above 40 Male

CBC WITH ESR

EDTA Blood

Haemoglobin	15.3	g/dL	13.5 - 18.0	SLS Method	
Hematocrit/PCV	45.8	%	42.0 - 52.0	H.focusing Method	
RBC COUNT	5.23	mill/Cmm	4.70 - 6.00	H.focusing impedance	
MCV	87.6	fl	83.0 - 101.0	Calculated	
MCH	29.3	pg	27.0 - 31.0	Calculated	
MCHC	33.4	g/dL	32.0 - 36.0	Calculated	
RDW-CV	12.7	%	11.5 - 14.0	Calculated	
Platelet count	271000	/cumm	150000 - 410000	H.focusing impedance	
Mean Platelet Volume(MPV)*	9.2	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	4760.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
Differential Leucocyte Count				Flowcytometry/Microscopic	
Neutrophils	56	%	40 - 70		
Lymphocytes	28	%	22 - 45		
Eosinophils	H 09	%	1 - 4		
Monocytes	H 07	%	1 - 6		
Basophils	00	%	0 - 1		
Immature Granulocytes	00	%	0 - 2		
Absolute Leucocyte Count					
Absolute Neutrophil Count*	2665.6	/cumm	1800 - 7700		
Absolute Lymphocyte count*	1332.8	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	428.4	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	333.2	/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 13	mm/hr	0 - 12	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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