



JCI (USA)

OUR ACCREDITATIONS

DEPARTMENT OF LABORATORY SERVICES

Patient	Mr. HIMANSHU NIGAM	Lab No/ManualNo	5342662/
UHIDNo/IPNO	300440056	CollectionDate	29/01/2024 8:32AM
Age/Gender	44 Years/Male	Receiving Date	29/01/2024 8:40AM
Bed No/Ward	OPD	Report Date	29/01/2024 12:20PM
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	15.40	U/L	10.00 - 71.00	Enzymatic method	Serum
Creatinine	0.99	mg/dL	0.70 - 1.20	Jaffe Kinetic Compensated	Serum
Uric Acid	7.0	mg/dL	3.4 - 7.0	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	100.0	mg/dL	< 100.0	Hexokinase	Serum

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)	21.80	U/L	0.00 - 41.00	IFCC without pyridoxal phosphate
SGOT(AST)	19.80	U/L	0.00 - 40.00	IFCC without pyridoxal phosphate
Alkaline Phosphatase	94.2	U/L	40.0 - 129.0	PNP-Standardize
Bilirubin Total	0.52	mg/dL	0.00 - 1.10	Diazo Method
Bilirubin Direct	H 0.22	mg/dL	0.00 - 0.20	Diazo Method
Bilirubin Indirect	0.30	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin
Protein Total	7.28	g/dL	6.40 - 8.20	Biuret Method

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Albumin	4.92	g/dL	3.97 - 4.95	BCG Endpoint	
Globulin	2.36	g/dL	2.20 - 3.50	Calculated	
A/G Ratio	2.08	Ratio	0.90 - 2.80	Ratio	
					EDTA Blood
HbA1c (Glyco Hb)	5.48	%	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	117.8	mg/dL	80.0 - 140.0		Serum
Prostate Specific Antigen	0.353	ng/mL	0.000 - 4.000	ECLIA	
					Serum
Blood Urea	31.8	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH	
BUN*	14.9	mg/dL	6.0 - 20.0	Ureas with UV	

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Serum

TOTAL T3*	1.380	ng/mL	0.850 - 2.020	ECLIA.
TOTAL T4*	10.020	ug/dL	5.130 - 14.060	ECLIA.
THYROID STIMULATING HORMONE	3.740	uIU/mL	0.270 - 4.200	ECLIA.

(*) Not in NABL Scope

End Of Report

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Biochemistry

ArcoFemi Healthcare Ltd Above 40 Male

Serum

Post prandial Glucose	109.1	mg/dL	< 140.0	Hexokinase
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Post prandial Urine Glucose	S.N.G. = Sample Not Given
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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

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Normal : Less than 140 mg/dL

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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

ArcoFemi Healthcare Ltd Above 40 Male

LIPID PROFILE (WITH DIRECT LDL)

Serum

Sample Type	Fasting				
Cholesterol Total	135.40	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	120.40	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	46.90	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	

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LDL Cholesterol (Direct)	78.30	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	24.08	mg/dL	< 30	Calculated
LDL/HDL RATIO	1.67		< 3.50	Calculated
Cholesterol Total / HDL Ratio	2.89		< 4.50	

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Clinical Pathology

ArcoFemi Healthcare Ltd Above 40 Male

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.	

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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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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	5.0		4.5 - 8.0	Reflectance photometer	
Sp. Gravity	1.025		1.015 - 1.030	Reflectance photometer/Enzymatic reaction	

Chemical Examination:

Reflectance photometer/Manual

U.Albumin	Nil
U.Gluocse	Nil
U.Acetone	Absent
BS/BP	Absent

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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	
Other:	Absent	

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Haematology

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CBC WITH ESR

EDTA Blood

Haemoglobin	14.4	g/dL	13.5 - 18.0	SLS Method	
Hematocrit/PCV	42.8	%	42.0 - 52.0	H.focusing Method	
RBC COUNT	5.01	mill/Cmm	4.70 - 6.00	H.focusing impedance	
MCV	85.4	fl	83.0 - 101.0	Calculated	
MCH	28.7	pg	27.0 - 31.0	Calculated	
MCHC	33.6	g/dL	32.0 - 36.0	Calculated	
RDW-CV	13.6	%	11.5 - 14.0	Calculated	
Platelet count	205000	/cumm	150000 - 410000	H.focusing impedance	
Mean Platelet Volume(MPV)*	H 13.2	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	6090.00	/cumm	4000.00 - 10500.00	Flow Cytometry	

Differential Leucocyte Count

Flowcytometry/Microscopic

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Neutrophils	62	%	40.0 - 70.0
Lymphocytes	28	%	22 - 45
Eosinophils	H 05	%	1.0 - 4.0
Monocytes	05	%	1.0 - 6.0
Basophils	00	%	0.0 - 1.0
Immature Granulocytes	00	%	0 - 2

Absolute Leucocyte Count

Absolute Neutrophil Count*	3775.8	/cumm	1800 - 7700
Absolute Lymphocyte count*	1705.2	/cumm	1000 - 4800
Absolute Eosinophil Count (AEC)	304.5	/cumm	0.0 - 450.0
Absolute Monocyte Count*	304.5	/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 22** mm/hr 0 - 10 Photometric capillary stopped flow kinetic

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MC - 3049



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Immuno-Haematology

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BLOOD GROUPING

EDTA Blood

ABO Group "B" Tube Agglutination Method

Rh Type Positive

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