



DEPARTMENT OF LABORATORY SERVICES

Patient	Mr. NIKHIL P JHA	Lab No/ManualNo	5411493/
UHIDNo/IPNO	300379023	CollectionDate	13/04/2024 8:51AM
Age/Gender	32 Years/Male	Receiving Date	13/04/2024 9:06AM
Bed No/Ward	OPD	Report Date	13/04/2024 1:15PM
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	18.60	U/L	10.00 - 71.00	Enzymatic method	Serum
Creatinine	0.81	mg/dL	0.70 - 1.20	Jaffe Kinetic Compensated	Serum
Uric Acid	H 7.3	mg/dL	3.4 - 7.0	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	91.8	mg/dL	< 100.0	Hexokinase	Serum

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

Dr. Kazumi Gondalia

M.D (Path)

Reg.No.: G-21729



JCI (USA)

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Post prandial Glucose 117.5 mg/dL < 140.0 Hexokinase

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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)	28.60	U/L	0.00 - 41.00	IFCC without pyridoxal phosphate
SGOT(AST)	21.80	U/L	0.00 - 40.00	IFCC without pyridoxal phosphate
Alkaline Phosphatase	94.2	U/L	40.0 - 129.0	PNP-Standardize
Bilirubin Total	1.02	mg/dL	0.00 - 1.10	Diazo Method
Bilirubin Direct	H 0.33	mg/dL	0.00 - 0.20	Diazo Method
Bilirubin Indirect	0.69	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin
Protein Total	7.31	g/dL	6.40 - 8.20	Biuret Method
Albumin	4.64	g/dL	3.97 - 4.95	BCG Endpoint
Globulin	2.67	g/dL	2.20 - 3.50	Calculated
A/G Ratio	1.74	Ratio	0.90 - 2.80	Ratio

EDTA Blood

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HbA1c (Glyco Hb)	5.40	%	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	116.0	mg/dL	80.0 - 140.0	Serum
Blood Urea	L 16.1	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH
BUN*	7.5	mg/dL	6.0 - 20.0	Ureas with UV
				Serum
TOTAL T3*	1.300	ng/mL	0.850 - 2.020	ECLIA.
TOTAL T4*	6.770	ug/dL	5.130 - 14.060	ECLIA.
THYROID STIMULATING HORMONE	2.400	uIU/mL	0.270 - 4.200	ECLIA.

(* Not in NABL Scope)

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Biochemistry

ArcoFemi Healthcare Ltd Below 40 Male

LIPID PROFILE (WITH DIRECT LDL)

Serum

Sample Type	Fasting				
Cholesterol Total	184.50	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	100.50	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	38.50	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	135.60	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	20.1	mg/dL	< 30	Calculated	
LDL/HDL RATIO	H 3.52		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	H 4.79		< 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	6.0		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.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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Haematology

ArcoFemi Healthcare Ltd Below 40 Male

CBC WITH ESR

EDTA Blood

Haemoglobin	15.1	g/dL	13.5 - 18.0	SLS Method	
Hematocrit/PCV	44.6	%	42.0 - 52.0	H.focusing Method	
RBC COUNT	L 4.69	mill/Cmm	4.70 - 6.00	H.focusing impedance	
MCV	95.1	fl	83.0 - 101.0	Calculated	
MCH	H 32.2	pg	27.0 - 31.0	Calculated	
MCHC	33.9	g/dL	32.0 - 36.0	Calculated	
RDW-CV	13.2	%	11.5 - 14.0	Calculated	
Platelet count	378000	/cumm	150000 - 410000	H.focusing impedance	
Mean Platelet Volume(MPV)*	9.8	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	7820.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
Differential Leucocyte Count				Flowcytometry/Microscopic	
Neutrophils	63	%	40 - 70		
Lymphocytes	29	%	22 - 45		
Eosinophils	01	%	1 - 4		
Monocytes	H 07	%	1 - 6		
Basophils	00	%	0 - 1		
Immature Granulocytes	00	%	0 - 2		
Absolute Leucocyte Count					
Absolute Neutrophil Count*	4926.6	/cumm	1800 - 7700		
Absolute Lymphocyte count*	2267.8	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	78.2	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	547.4	/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)	12	mm/hr	0 - 30	Photometric capillary stopped flow kinetic	

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Immuno-Haematology

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BLOOD GROUPING

EDTA Blood

ABO Group	"AB"			Tube Agglutination Method	
Rh Type	Positive				

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