



DEPARTMENT OF LABORATORY SERVICES

Patient	Mrs. ARUNA PATANI	Lab No/ManualNo	5366957/
UHIDNo/IPNO	300443557	CollectionDate	24/02/2024 9:35AM
Age/Gender	28 Years/Female	Receiving Date	24/02/2024 9:57AM
Bed No/Ward	OPD	Report Date	24/02/2024 3:28PM
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 Female					
					Serum
Gamma GT	13.50	U/L	6.00 - 42.00	Enzymatic method	Serum
Creatinine	0.58	mg/dL	0.50 - 0.90	Jaffe Kinetic Compensated	
Age	28				
Weight	56.2				
Gender	0.85				
eGFR	H 128.12	mL/minute/1.73 m2	72 - 110		Serum
Uric Acid	4.0	mg/dL	2.4 - 5.7	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	79.9	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	93.8	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

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

Serum

LIVER FUNCTION TEST (LFT) SERUM

SGPT(ALT)	10.90	U/L	0.00 - 33.00	IFCC without pyridoxal phosphate
SGOT(AST)	13.70	U/L	0.00 - 32.00	IFCC without pyridoxal phosphate

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Alkaline Phosphatase	106.4	U/L	35.0 - 140.0	PNP-Standardize	
Bilirubin Total	0.27	mg/dL	0.00 - 1.00	Diazo Method	
Bilirubin Direct	0.10	mg/dL	0.00 - 0.20	Diazo Method	
Bilirubin Indirect	0.17	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin	
Protein Total	7.65	g/dL	6.40 - 8.20	Biuret Method	
Albumin	4.95	g/dL	3.97 - 4.95	BCG Endpoint	
Globulin	2.70	g/dL	2.20 - 3.50	Calculated	
A/G Ratio	1.83	Ratio	0.90 - 2.80	Ratio	
					EDTA Blood
HbA1c (Glyco Hb)	5.46	%	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	117.2	mg/dL	80.0 - 140.0		Serum
Blood Urea	19.0	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH	
BUN*	8.9	mg/dL	6.0 - 20.0	Ureas with UV	
					Serum
TOTAL T3*	1.210	ng/mL	0.850 - 2.020	ECLIA.	
TOTAL T4*	7.170	ug/dL	5.130 - 14.060	ECLIA.	
THYROID STIMULATING HORMONE	1.250	uIU/mL	0.270 - 4.200	ECLIA.	

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Biochemistry

ArcoFemi Healthcare Ltd Below 40 Female

LIPID PROFILE (WITH DIRECT LDL)

Serum

Sample Type	Fasting				
Cholesterol Total	147.80	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	57.40	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	42.50	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	96.00	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	11.48	mg/dL	< 30	Calculated	
LDL/HDL RATIO	2.26		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	3.48		< 4.50		

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Age/Gender	28 Years/Female	Receiving Date	24/02/2024 11:32AM
Bed No/Ward	OPD	Report Date	24/02/2024 12:26PM
Referred By	Dr. Casualty Medical Officer	Report Status	Final
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Test Name	Result	Unit	Bio. Ref. Range	Method	Sample
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Clinical Pathology

ArcoFemi Healthcare Ltd Below 40 Female

URINE ROUTINE EXAMINATION

Urine

Physical Examination:

Quantity	30 ml			Visual method	
Colour	Pale Yellow			Visual method	
Appearance:	Clear			Visual method	
Reaction	5			Reflectance photometer	
Sp. Gravity	1.005		1.015 - 1.030	Reflectance photometer/Enzymatic reaction	

Chemical Examination:

U.Albumin	Nil			Reflectance photometer/Manual	
U.Glucose	Nil				
U.Acetone	Nil				
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 Female

CBC WITH ESR

EDTA Blood

Haemoglobin	14.5	g/dL	12.5 - 16.0	SLS Method	
Hematocrit/PCV	45.0	%	37.0 - 47.0	H.focusing Method	
RBC COUNT	5.36	mill/Cmm	4.20 - 5.40	H.focusing impedance	
MCV	84.0	fl	83.0 - 101.0	Calculated	
MCH	27.1	pg	27.0 - 31.0	Calculated	
MCHC	32.2	g/dL	32.0 - 36.0	Calculated	
RDW-CV	13.4	%	11.5 - 14.0	Calculated	
Platelet count	H 470000	/cumm	150000 - 410000	H.focusing impedance	
Mean Platelet Volume(MPV)*	9.2	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	6460.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
Differential Leucocyte Count				Flowcytometry/Microscopic	
Neutrophils	45	%	40.0 - 70.0		
Lymphocytes	H 46	%	22 - 45		
Eosinophils	03	%	1.0 - 4.0		
Monocytes	06	%	1.0 - 6.0		
Basophils	00	%	0.0 - 1.0		
Immature Granulocytes	00	%	0 - 2		
Absolute Leucocyte Count					
Absolute Neutrophil Count*	2907	/cumm	1800 - 7700		
Absolute Lymphocyte count*	2971.6	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	193.8	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	387.6	/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 - 12	Photometric capillary stopped flow kinetic	

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CytoPathology

ArcoFemi Healthcare Ltd Below 40 Female

Cytopathology Pathology Report

Specimen

Cervical PAP smear.

Clinical Diagnosis

LMP : 01/02/2024, P1G1

Gross Description

Two fixed unstained slides received, PAP stain done.

Microscopic Description

Smears are satisfactory for evaluation.
Many superficial, intermediate cells and few parabasal cells seen.
Mild inflammation with predominance of neutrophils seen.
Moderate lactobacilli are seen. No parasites/ fungi.
No evidence of intraepithelial lesion or malignancy.

Diagnosis

Cervical smear - **Mild inflammation and no evidence of intraepithelial lesion or malignancy.**

Note- The pap test is a screening procedure to aid in the detection of cervical cancer and its precursors. Because false negative results may occur, regular PAP tests are recommended.

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		Sample Quality	

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Immuno-Haematology

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BLOOD GROUPING

EDTA Blood

ABO Group	"B"			Tube Agglutination Method	
Rh Type	Negative				

End Of Report

Dr. Jitendra Narendrabhai Nayak
Reg.No:G-14786
Consultant Pathologist