



**DEPARTMENT OF LABORATORY SERVICES**

<b>Patient</b>	Mrs. AMRITA NAYAK	<b>Lab No/ManualNo</b>	5285783/
<b>UHIDNo/IPNO</b>	300389662	<b>CollectionDate</b>	24/11/2023 10:05AM
<b>Age/Gender</b>	34 Years/Female	<b>Receiving Date</b>	24/11/2023 2:00PM
<b>Bed No/Ward</b>	OPD	<b>Report Date</b>	24/11/2023 3:11PM
<b>Referred By</b>	Dr. Casualty Medical Officer	<b>Report Status</b>	Final
		<b>Sample Quality</b>	Normal

Test Name	Result	Unit	Bio. Ref. Range	Method	Sample
<b>Biochemistry</b>					
ArcoFemi Healthcare Ltd Below 40 Female					
Gamma GT	40.80	U/L	6.00 - 42.00	Enzymatic method	Serum
Creatinine	0.64	mg/dL	0.50 - 0.90	Jaffe Kinetic Compensated	Serum
Age	34				
Weight	56				
Gender	0.85				
eGFR	109.5	mL/minute/1.73 m2	71 - 140		
Uric Acid	3.4	mg/dL	2.4 - 5.7	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	79.5	mg/dL	< 100.0	Hexokinase	Serum
<b>As per ADA Guideline</b>					
<b>For Fasting Plasma Glucose</b>					
Normal : Less than 100 mg/dL					
Prediabetes : 100 mg/dL to 125 mg/dL					
Diabetes : 126 mg/dL or Higher					
<b>For 2 hrs Plasma Glucose after 75 Gms Glucose load</b>					
Normal : Less than 140 mg/dL					
Prediabetes : 140 to 199 mg/dL					
Diabetes : 200 mg/dL or higher					
<b>For Random Plasma Glucose</b>					
Diabetes is diagnosed at blood glucose greater than or equal to 200 mg/dL					
Post prandial Glucose	77.8	mg/dL	< 140.0	Hexokinase	Serum

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

**LIVER FUNCTION TEST (LFT) SERUM**

Test Name	Result	Unit	Reference Range	Method	Specimen
SGPT(ALT)	H 58.50	U/L	0.00 - 33.00	IFCC without pyridoxal phosphate	Serum
SGOT(AST)	H 51.20	U/L	0.00 - 32.00	IFCC without pyridoxal phosphate	Serum
Alkaline Phosphatase	106.6	U/L	35.0 - 140.0	PNP-Standardize	Serum
Bilirubin Total	0.55	mg/dL	0.00 - 1.00	Diazo Method	Serum
Bilirubin Direct	0.18	mg/dL	0.00 - 0.20	Diazo Method	Serum
Bilirubin Indirect	0.37	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin	Serum
Protein Total	8.06	g/dL	6.40 - 8.20	Biuret Method	Serum
Albumin	4.58	g/dL	3.97 - 4.95	BCG Endpoint	Serum
Globulin	3.48	g/dL	2.20 - 3.50	Calculated	Serum
A/G Ratio	1.32	Ratio	0.90 - 2.80	Ratio	Serum

Test Name	Result	Unit	Reference Range	Method	Specimen
HbA1c (Glyco Hb)	5.55	%	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	EDTA Blood

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Mean Plasma Glucose	120.4	mg/dL	80.0 - 140.0	
Blood Urea	<b>L 14.8</b>	mg/dL	16.6 - 48.5	Urease, Kinetic, GLDH
BUN*	6.9	mg/dL	6.0 - 20.0	Ureas with UV
TOTAL T3*	1.020	ng/mL	0.850 - 2.020	ECLIA.
TOTAL T4*	6.180	ug/dL	5.130 - 14.060	ECLIA.
THYROID STIMULATING HORMONE	3.080	uIU/mL	0.270 - 4.200	ECLIA.

(\*) Not in NABL Scope

\*\*End Of Report\*\*

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**Biochemistry**

ArcoFemi Healthcare Ltd Below 40 Female

**LIPID PROFILE (WITH DIRECT LDL)**

Serum

Sample Type	Fasting				
Cholesterol Total	209.10	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	85.90	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	60.20	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	143.00	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	17.18	mg/dL	< 30	Calculated	
LDL/HDL RATIO	2.38		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	3.47		< 4.50		

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<b>Age/Gender</b>	34 Years/Female	<b>Receiving Date</b>	24/11/2023 2:14PM
<b>Bed No/Ward</b>	OPD	<b>Report Date</b>	24/11/2023 4:11PM
<b>Referred By</b>	Dr. Casualty Medical Officer	<b>Report Status</b>	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	20 ml			Visual method	
Colour	Pale Yellow			Visual method	
Appearance:	Slightly Hazy			Visual method	
Reaction	6.5		4.5 - 8.0	Reflectance photometer	
Sp. Gravity	1.010		1.015 - 1.030	Reflectance photometer/Enzymatic reaction	

**Chemical Examination:**

U.Albumin	Present(+)			Reflectance photometer/Manual	
U.Gluocse	Absent				
U.Acetone	Absent				
BS/BP	Absent				

**Microscopic Examination**

				Microscopy	
Pus Cell	Occasional		/H.P.F.		
Red Blood Cell	10-12		/H.P.F.		
Epithelial cell	1-2		/H.P.F.		
Cast	Absent				
Crystals	Absent				
Amorphous	Absent				
Monilia	Absent				

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<b>Bed No/Ward</b>	OPD	<b>Report Date</b>	24/11/2023 12:46PM
<b>Referred By</b>	Dr. Casualty Medical Officer	<b>Report Status</b>	Final
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Haematology					
ArcoFemi Healthcare Ltd Below 40 Female					
EDTA Blood					
<b>CBC WITH ESR</b>					
Haemoglobin	L 12.1	g/dL	12.5 - 16.0	SLS Method	
Hematocrit/PCV	38.1	%	37.0 - 47.0	H.focusing Method	
RBC COUNT	4.73	mill/Cmm	4.20 - 5.40	H.focusing impedance	
MCV	L 80.5	fl	83.0 - 101.0	Calculated	
MCH	L 25.6	pg	27.0 - 31.0	Calculated	
MCHC	L 31.8	g/dL	32.0 - 36.0	Calculated	
RDW-CV	12.2	%	11.5 - 14.0	Calculated	
Platelet count	279000	/cumm	150000 - 410000	H.focusing impedance	
Mean Platelet Volume(MPV)*	11.1	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	5270.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
<b>Differential Leucocyte Count</b>					
Neutrophils	60	%	40.0 - 70.0	Flowcytometry/Microscopic	
Lymphocytes	33	%	22 - 45		
Eosinophils	01	%	1.0 - 4.0		
Monocytes	06	%	1.0 - 6.0		
Basophils	00	%	0.0 - 1.0		
Immature Granulocytes	00	%	0 - 2		
<b>Absolute Leucocyte Count</b>					
Absolute Neutrophil Count*	3162	/cumm	1800 - 7700		
Absolute Lymphocyte count*	1739.1	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	52.7	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	316.2	/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 57	mm/hr	0 - 12	Photometric capillary stopped flow kinetic	

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<b>Age/Gender</b>	34 Years/Female	<b>Receiving Date</b>	24/11/2023 2:43PM
<b>Bed No/Ward</b>	OPD	<b>Report Date</b>	24/11/2023 3:52PM
<b>Referred By</b>	Dr. Casualty Medical Officer	<b>Report Status</b>	Final
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### CytoPathology

ArcoFemi Healthcare Ltd Below 40 Female

Cytopathology Pathology Report

#### Specimen

Cervical PAP smear.

#### Clinical Diagnosis

LMP - 15/11/2023, P2G2.

#### Gross Description

One fixed unstained slides received, PAP stain done.

#### Microscopic Description

Smears are satisfactory for evaluation.

Endocervical cells and metaplastic squamous cells are seen.

Many superficial, intermediate cells and parabasal cells seen.

Mild inflammation with predominance of neutrophils and many RBCs seen.

Few lactobacilli are seen. Fungi present in budding forms.

No evidence of intraepithelial lesion or malignancy.

#### Diagnosis

Cervical smear - **Mild inflammation and negative for intraepithelial lesion or malignancy.**

#### Fungal organisms morphologically consistent with candida species.

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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**Immuno-Haematology**

ArcoFemi Healthcare Ltd Below 40 Female

**BLOOD GROUPING**

EDTA Blood

ABO Group	"O"			Tube Agglutination Method	
Rh Type	Positive				

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