



DEPARTMENT OF LABORATORY SERVICES

Patient	Mrs. SHRADHA V RATHOD	Lab No/ManualNo	5392654/
UHIDNo/IPNO	300447321	CollectionDate	23/03/2024 9:08AM
Age/Gender	30 Years/Female	Receiving Date	23/03/2024 9:30AM
Bed No/Ward	OPD	Report Date	23/03/2024 2:37PM
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	13.80	U/L	6.00 - 42.00	Enzymatic method	Serum
Creatinine	0.62	mg/dL	0.50 - 0.90	Jaffe Kinetic Compensated	Serum
Uric Acid	5.2	mg/dL	2.4 - 5.7	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	92.8	mg/dL	< 100.0	Hexokinase	Serum
As per ADA Guideline Normal : Less than 100 mg/dL Prediabetes : 100 mg/dL to 125 mg/dL Diabetes : 126 mg/dL or Higher					

***LIVER FUNCTION TEST (LFT) SERUM**

					Serum
SGPT(ALT)	12.90	U/L	0.00 - 33.00	IFCC without pyridoxal phosphate	
SGOT(AST)	13.40	U/L	0.00 - 32.00	IFCC without pyridoxal phosphate	
Alkaline Phosphatase	56.1	U/L	35.0 - 140.0	PNP-Standardize	



Dr. Viyati Chetanbhai Vitlani
MBBS+MD Pathology
Pathologist (Reg. No:- G-37173)



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Bilirubin Total	0.46	mg/dL	0.00 - 1.00	Diazo Method
Bilirubin Direct	H 0.22	mg/dL	0.00 - 0.20	Diazo Method
Bilirubin Indirect	0.24	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin
Protein Total	7.12	g/dL	6.40 - 8.20	Biuret Method
Albumin	4.36	g/dL	3.97 - 4.95	BCG Endpoint
Globulin	2.76	g/dL	2.20 - 3.50	Calculated
A/G Ratio	1.58	Ratio	0.90 - 2.80	Ratio

Serum

Blood Urea	L 12.2	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH
BUN*	L 5.7	mg/dL	6.0 - 20.0	Ureas with UV

(*) Not in NABL Scope

End Of Report



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Biochemistry

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Serum

Post prandial Glucose	100.3	mg/dL	< 140.0	Hexokinase
Post prandial Urine Glucose	S.N.G. = Sample Not Given			
As per ADA Guideline				
Normal : Less than 100 mg/dL				
Prediabetes : 100 mg/dL to 125 mg/dL				
Diabetes : 126 mg/dL or Higher				

EDTA Blood

HbA1c (Glyco Hb)	5.50	%	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	119.0	mg/dL	80.0 - 140.0	

Serum

TOTAL T3*	1.270	ng/mL	0.850 - 2.020	ECLIA.
TOTAL T4*	7.430	ug/dL	5.130 - 14.060	ECLIA.
THYROID STIMULATING HORMONE	2.000	uIU/mL	0.270 - 4.200	ECLIA.

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Biochemistry

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***LIPID PROFILE (WITH DIRECT LDL**

Serum

Sample Type	Fasting				
Cholesterol Total	144.50	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	54.00	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	53.30	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	86.60	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	10.8	mg/dL	< 30	Calculated	
LDL/HDL RATIO	1.62		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	2.71		< 4.50		



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Clinical Pathology

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***URINE ROUTINE EXAMINATION**

Urine

Physical Examination:

Quantity	20 ml			Visual method	
Colour	Pale Yellow			Visual method	
Appearance:	Clear			Visual method	
Reaction	7.0		4.5 - 8.0	Reflectance photometer	
Sp. Gravity	1.010		1.015 - 1.030	Reflectance photometer/Enzymatic reaction	

Chemical Examination:

U.Albumin	Nil			Reflectance photometer/Manual	
U.Gluocse	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

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***CBC WITH ESR**

EDTA Blood

Haemoglobin	L 11.6	g/dL	12.5 - 16.0	SLS Method	
Hematocrit/PCV	38.3	%	37.0 - 47.0	H.focusing Method	
RBC COUNT	H 5.71	mill/Cmm	4.20 - 5.40	H.focusing impedance	
MCV	L 67.1	fl	83.0 - 101.0	Calculated	
MCH	L 20.3	pg	27.0 - 31.0	Calculated	
MCHC	L 30.3	g/dL	32.0 - 36.0	Calculated	
RDW-CV	H 15.2	%	11.5 - 14.0	Calculated	
Platelet count	267000	/cumm	150000 - 410000	H.focusing impedance	
Total Leucocyte Count (TLC)	6860.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
Differential Leucocyte Count				Flowcytometry/Microscopic	
Neutrophils	70	%	40 - 70		
Lymphocytes	24	%	22 - 45		
Eosinophils	01	%	1 - 4		
Monocytes	05	%	1 - 6		
Basophils	00	%	0 - 1		
Immature Granulocytes	00	%	0 - 2		
Absolute Leucocyte Count					
Absolute Neutrophil Count*	4802	/cumm	1800 - 7700		
Absolute Lymphocyte count*	1646.4	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	68.6	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	343	/cumm	0 - 800		

Peripheral Smear Study
RBCs shows Anisocytosis(+),Microcytosis(+++),Hypochromia(+).Platelets are adequate in number.
Malarial Parasites are not seen.No Premature cells are seen.

Advise



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Hb electrophoresis .

Erythrocyte Sedimentation Rate (ESR) **H 46** mm/hr 0 - 12 Photometric capillary stopped flow kinetic

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CytoPathology

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Cytopathology Pathology Report

Specimen

Cervical PAP smear.

Clinical Diagnosis

LMP :29/02/2024.

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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Immuno-Haematology

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***BLOOD GROUPING**

EDTA Blood

ABO Group	"A"			Tube Agglutination Method	
Rh Type	Positive				

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