



DEPARTMENT OF LABORATORY SERVICES

Patient	Mrs. AVANI SANKETBHAJ SONAGARA	Lab No/ManualNo	5354755/
UHIDNo/IPNO	300441762	CollectionDate	10/02/2024 8:28AM
Age/Gender	35 Years/Female	Receiving Date	10/02/2024 8:37AM
Bed No/Ward	OPD	Report Date	10/02/2024 12:39PM
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	22.60	U/L	6.00 - 42.00	Enzymatic method	Serum
Creatinine	0.72	mg/dL	0.50 - 0.90	Jaffe Kinetic Compensated	Serum
Age	35				
Weight	76.1				
Gender	0.85				
eGFR	131.02	mL/minute/1.73 m ²	71 - 140		Serum
Uric Acid	3.9	mg/dL	2.4 - 5.7	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	H 111.2	mg/dL	< 100.0	Hexokinase	Serum

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



JCI (USA)

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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)	15.60	U/L	0.00 - 33.00	IFCC without pyridoxal phosphate
SGOT(AST)	14.00	U/L	0.00 - 32.00	IFCC without pyridoxal phosphate
Alkaline Phosphatase	91.0	U/L	35.0 - 140.0	PNP-Standardize
Bilirubin Total	0.24	mg/dL	0.00 - 1.00	Diazo Method
Bilirubin Direct	0.10	mg/dL	0.00 - 0.20	Diazo Method
Bilirubin Indirect	0.14	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin
Protein Total	7.33	g/dL	6.40 - 8.20	Biuret Method
Albumin	4.32	g/dL	3.97 - 4.95	BCG Endpoint
Globulin	3.01	g/dL	2.20 - 3.50	Calculated
A/G Ratio	1.44	Ratio	0.90 - 2.80	Ratio

EDTA Blood

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HbA1c (Glyco Hb)	6.11	%	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	H 140.1	mg/dL	80.0 - 140.0	Serum
Blood Urea	L 15.1	mg/dL	16.6 - 48.5	Urease, Kinetic, GLDH
BUN*	7.1	mg/dL	6.0 - 20.0	Ureas with UV
				Serum
TOTAL T3*	1.310	ng/mL	0.850 - 2.020	ECLIA.
TOTAL T4*	9.210	ug/dL	5.130 - 14.060	ECLIA.
THYROID STIMULATING HORMONE	1.870	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	219.40	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	80.70	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	71.90	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	145.20	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	16.14	mg/dL	< 30	Calculated	
LDL/HDL RATIO	2.02		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	3.05		< 4.50		

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Biochemistry

ArcoFemi Healthcare Ltd Below 40 Female

Serum

Post prandial Glucose	112.4	mg/dL	< 140.0	Hexokinase	
Post prandial Urine Glucose	S.N.G. = Sample Not Given				

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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For Random Plasma Glucose

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End Of Report

Dr. Kazumi Gondalia

M.D (Path)

Reg.No.: G-21729



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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 turbid			Visual method	
Reaction	5			Reflectance photometer	
Sp. Gravity	1.015		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	4-6		/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	L 11.9	g/dL	12.5 - 16.0	SLS Method	
Hematocrit/PCV	37.0	%	37.0 - 47.0	H.focusing Method	
RBC COUNT	4.46	mill/Cmm	4.20 - 5.40	H.focusing impedance	
MCV	83.0	fl	83.0 - 101.0	Calculated	
MCH	L 26.7	pg	27.0 - 31.0	Calculated	
MCHC	32.2	g/dL	32.0 - 36.0	Calculated	
RDW-CV	H 14.4	%	11.5 - 14.0	Calculated	
Platelet count	323000	/cumm	150000 - 410000	H.focusing impedance	
Mean Platelet Volume(MPV)*	9.2	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	5770.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
Differential Leucocyte Count				Flowcytometry/Microscopic	
Neutrophils	67	%	40.0 - 70.0		
Lymphocytes	26	%	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		
Absolute Leucocyte Count					
Absolute Neutrophil Count*	3865.9	/cumm	1800 - 7700		
Absolute Lymphocyte count*	1500.2	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	57.7	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	346.2	/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 59	mm/hr	0 - 35	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 : 04/02/2024, 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.

(* Not in NABL Scope

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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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