



JCI (USA)

OUR ACCREDITATIONS

**DEPARTMENT OF LABORATORY SERVICES**

<b>Patient</b>	Mrs. SEEMA TYAGI	<b>Lab No/ManualNo</b>	5411501/
<b>UHIDNo/IPNO</b>	300449874	<b>CollectionDate</b>	13/04/2024 8:59AM
<b>Age/Gender</b>	49 Years/Female	<b>Receiving Date</b>	13/04/2024 9:07AM
<b>Bed No/Ward</b>	OPD	<b>Report Date</b>	13/04/2024 1:35PM
<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
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**Biochemistry**

ArcoFemi Healthcare Ltd Above 40 Female

					Serum
Gamma GT	38.70	U/L	6.00 - 42.00	Enzymatic method	Serum
Creatinine	0.65	mg/dL	0.50 - 0.90	Jaffe Kinetic Compensated	Serum
Uric Acid	4.0	mg/dL	2.4 - 5.7	Uricase / Peroxidase (Colorimetric)	Serum
Fasting Glucose	<b>H 115.7</b>	mg/dL	< 100.0	Hexokinase	Serum
<p><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</p>					
					Serum

Dr. Kazumi Gondalia

M.D (Path)

Reg.No.: G-21729



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Post prandial Glucose **H 161.6** mg/dL < 140.0 Hexokinase

**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)	<b>H 34.90</b>	U/L	0.00 - 33.00	IFCC without pyridoxal phosphate
SGOT(AST)	19.20	U/L	0.00 - 32.00	IFCC without pyridoxal phosphate
Alkaline Phosphatase	106.8	U/L	35.0 - 140.0	PNP-Standardize
Bilirubin Total	0.83	mg/dL	0.00 - 1.00	Diazo Method
Bilirubin Direct	<b>H 0.24</b>	mg/dL	0.00 - 0.20	Diazo Method
Bilirubin Indirect	0.59	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin
Protein Total	7.14	g/dL	6.40 - 8.20	Biuret Method
Albumin	4.41	g/dL	3.97 - 4.95	BCG Endpoint
Globulin	2.73	g/dL	2.20 - 3.50	Calculated
A/G Ratio	1.62	Ratio	0.90 - 2.80	Ratio

EDTA Blood

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HbA1c (Glyco Hb)	6.20	%	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	<b>H 142.0</b>	mg/dL	80.0 - 140.0	Serum
Blood Urea	19.4	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH
BUN*	9.1	mg/dL	6.0 - 20.0	Ureas with UV
				Serum
TOTAL T3*	1.130	ng/mL	0.850 - 2.020	ECLIA.
TOTAL T4*	9.530	ug/dL	5.130 - 14.060	ECLIA.
THYROID STIMULATING HORMONE	2.830	uIU/mL	0.270 - 4.200	ECLIA.

(\* Not in NABL Scope)

\*\*End Of Report\*\*



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**Biochemistry**

ArcoFemi Healthcare Ltd Above 40 Female

**LIPID PROFILE (WITH DIRECT LDL)**

Serum

Sample Type	Fasting				
Cholesterol Total	237.50	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	207.00	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	41.20	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	175.50	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	<b>H 41.4</b>	mg/dL	< 30	Calculated	
LDL/HDL RATIO	<b>H 4.26</b>		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	<b>H 5.76</b>		< 4.50		

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<b>Bed No/Ward</b>	OPD	<b>Report Date</b>	13/04/2024 11:54AM
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**Clinical Pathology**

ArcoFemi Healthcare Ltd Above 40 Female

**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.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				

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**Haematology**

ArcoFemi Healthcare Ltd Above 40 Female

**CBC WITH ESR**

EDTA Blood

Haemoglobin	<b>L 12.3</b>	g/dL	12.5 - 16.0	SLS Method	
Hematocrit/PCV	38.4	%	37.0 - 47.0	H.focusing Method	
RBC COUNT	5.01	mill/Cmm	4.20 - 5.40	H.focusing impedance	
MCV	<b>L 76.6</b>	fl	83.0 - 101.0	Calculated	
MCH	<b>L 24.6</b>	pg	27.0 - 31.0	Calculated	
MCHC	32.0	g/dL	32.0 - 36.0	Calculated	
RDW-CV	13.2	%	11.5 - 14.0	Calculated	
Platelet count	258000	/cumm	150000 - 410000	H.focusing impedance	
Mean Platelet Volume(MPV)*	9.4	fl	8 - 12	Calculated	
Total Leucocyte Count (TLC)	7000.00	/cumm	4000.00 - 10500.00	Flow Cytometry	
<b>Differential Leucocyte Count</b>				Flowcytometry/Microscopic	
Neutrophils	55	%	40 - 70		
Lymphocytes	34	%	22 - 45		
Eosinophils	03	%	1 - 4		
Monocytes	<b>H 08</b>	%	1 - 6		
Basophils	00	%	0 - 1		
Immature Granulocytes	00	%	0 - 2		
<b>Absolute Leucocyte Count</b>					
Absolute Neutrophil Count*	3850	/cumm	1800 - 7700		
Absolute Lymphocyte count*	2380	/cumm	1000 - 4800		
Absolute Eosinophil Count (AEC)	210.0	/cumm	0.0 - 450.0		
Absolute Monocyte Count*	560	/cumm	0 - 800		
Peripheral Smear Study	RBCs shows Microcytosis(+),Hypochromia(+).Platelets are adequate in number. Malarial Parasites are not seen.No Premature cells are seen.				
Erythrocyte Sedimentation Rate (ESR)	19	mm/hr	0 - 35	Photometric capillary stopped flow kinetic	

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**Immuno-Haematology**

ArcoFemi Healthcare Ltd Above 40 Female

**BLOOD GROUPING**

EDTA Blood

ABO Group	"B"			Tube Agglutination Method
Rh Type	Positive			

\*\*End Of Report\*\*

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