DEPARTMENT OF LABORATORY SERVICES

Patient	Mr. PRUNJAL MUKESHKUMAR SHAH	**Lab No/ManualNo**	5340373/
UHIDNo/IPNO	300392653	**CollectionDate**	26/01/2024 9:12AM
Age/Gender	35 Years/Male	**Receiving Date**	26/01/2024 9:13AM
Bed No/Ward	OPD	**Report Date**	27/01/2024 12:31PM
Referred By	Dr. Casualty Medical Officer	**Report Status**	Final
		Sample Quality	Normal

Test Name	Result	Unit	Bio. Ref. Range	Method	Sample
			Biochemistry		
			ArcoFemi Healthcare Ltd Below 40 Male		
					Serum
Gamma GT	21.80	U/L	10.00 - 71.00	Enzymatic method	
					Serum
Creatinine	0.77	mg/dL	0.70 - 1.20	Jaffe Kinetic Compensated	
					Serum
Uric Acid	4.9	mg/dL	3.4 - 7.0	Uricase / Peroxidase (Colorimetric)	
					Serum
Fasting Glucose	86.7	mg/dL	< 100.0	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

Dr. Viyati Chetanbhai Vithlani
MBBS+MD Pathology
Pathologist

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SGPT(ALT)	14.10	U/L	0.00 - 41.00	IFCC without pyridoxal phosphate
SGOT(AST)	15.50	U/L	0.00 - 40.00	IFCC without pyridoxal phosphate
Alkaline Phosphatase	87.4	U/L	40.0 - 129.0	PNP-Standardize
Bilirubin Total	0.46	mg/dL	0.00 - 1.10	Diazo Method
Bilirubin Direct	0.16	mg/dL	0.00 - 0.20	Diazo Method
Bilirubin Indirect	0.30	mg/dL	0.00 - 1.10	Calculate from Total and Direct Billirubin
Protein Total	7.36	g/dL	6.40 - 8.20	Biuret Method
Albumin	4.53	g/dL	3.97 - 4.95	BCG Endpoint
Globulin	2.83	g/dL	2.20 - 3.50	Calculated
A/G Ratio	1.60	Ratio	0.90 - 2.80	Ratio

EDTA Blood

HbA1c (Glyco Hb)	5.11	%	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	104.4	mg/dL	80.0 - 140.0	

Serum

Blood Urea	17.5	mg/dL	16.6 - 48.5	Urease,Kinetic,GLDH
BUN*	8.2	mg/dL	6.0 - 20.0	Ureas with UV

Serum

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L-Low H-High CH - Critical High CL - Critical Low

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TOTAL T3*	1.450	ng/mL	0.850 - 2.020	ECLIA.
TOTAL T4*	8.270	ug/dL	5.130 - 14.060	ECLIA.
THYROID STIMULATING HORMONE	2.680	uIU/mL	0.270 - 4.200	ECLIA.

(*) Not in NABL Scope   **End Of Report**

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✆ 1800 309 9999 ✉ marengocims.pathology@marengoasia.com   CIN No. U85110GJ2001PTC039962

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Test Name	Result	Unit	Bio. Ref. Range	Method	Sample
			Biochemistry		
		ArcoFemi Healthcare Ltd Below 40 Male			
					Serum
Post prandial Glucose	99.3	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
For 2 hrs Plasma Glucose after 75 Gms Glucose load
Normal : Less than 140 mg/dL
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Diabetes is diagnosed at blood glucose greater than or equal to 200 mg/dL

End Of Report

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

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Biochemistry

ArcoFemi Healthcare Ltd Below 40 Male

LIPID PROFILE (WITH DIRECT LDL   Serum

Test Name	Result	Unit	Bio. Ref. Range	Method	Sample
Sample Type	Fasting				
Cholesterol Total	204.50	mg/dL	Less than 160 mg/dL Excellent Less than 200 mg/dL Desirabale 200-239 mg/dL Borderline High 240 mg/dl & over high	Enzymatic (CHE/CHO/POD)	
Triglycerides	173.60	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	32.00	mg/dL	Less than 40 mg/dL Low 60 mg/dL or Above Excellent	Homogenous Enzymatic	
LDL Cholesterol (Direct)	151.90	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	H 34.72	mg/dL	< 30	Calculated	
LDL/HDL RATIO	H 4.75		< 3.50	Calculated	
Cholesterol Total / HDL Ratio	H 6.39		< 4.50		

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Test Name	Result	Unit	Bio. Ref. Range	Method	Sample

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Clinical Pathology
ArcoFemi Healthcare Ltd Below 40 Male

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URINE ROUTINE EXAMINATION   Urine

Physical Examination:

Quantity	20 ml		Visual method
Colour	Pale Yellow		Visual method
Appearence:	Clear		Visual method
Reaction	6.5	4.5 - 8.0	Reflectance photometer
Sp. Gravity	1.015	1.015 - 1.030	Reflectance photometer/Enzymatic reaction

Chemical Examination: Reflectance photometer/Manual

U.Albumin	Nil	
U.Gluocse	Nil	
U.Acetone	Nil	
BS/BP	Absent	

Microscopic Examination   Microscopy

Pus Cell	Occasional	/H.P.F.
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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</div>

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Test Name	Result	Unit	Bio. Ref. Range	Method	Sample

Haematology
ArcoFemi Healthcare Ltd Below 40 Male

CBC WITH ESR   EDTA Blood

Test Name	Result	Unit	Bio. Ref. Range	Method
Haemoglobin	14.5	g/dL	13.5 - 18.0	SLS Method
Hematocrit/PCV	44.4	%	42.0 - 52.0	H.focusing Method
RBC COUNT	5.09	mill/Cmm	4.70 - 6.00	H.focusing impedance
MCV	87.2	fl	83.0 - 101.0	Calculated
MCH	28.5	pg	27.0 - 31.0	Calculated
MCHC	32.7	g/dL	32.0 - 36.0	Calculated
RDW-CV	12.7	%	11.5 - 14.0	Calculated
Platelet count	224000	/cumm	150000 - 410000	H.focusing impedance
Total Leucocyte Count (TLC)	6910.00	/cumm	4000.00 - 10500.00	Flow Cytometry
Differential Leucocyte Count				Flowcytometry/Microscopic
Neutrophils	49	%	40.0 - 70.0	
Lymphocytes	42	%	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*	3385.9	/cumm	1800 - 7700	
Absolute Lymphocyte count*	2902.2	/cumm	1000 - 4800	
Absolute Eosinophil Count (AEC)	207.3	/cumm	0.0 - 450.0	
Absolute Monocyte Count*	414.6	/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)	09	mm/hr	0 - 10	Photometric capillary stopped flow kinetic

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MarengoCIMS Hospital

5340373

MC - 3049

JCI (USA) NABH OUR ACCREDITATIONS

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Test Name	Result	Unit	Bio. Ref. Range	Method	Sample

Immuno-Haematology
ArcoFemi Healthcare Ltd Below 40 Male

BLOOD GROUPING   EDTA Blood

| ABO Group | "O" | | | Tube Agglutination Method | |
| Rh Type | Positive | | | | |

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