

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Ms Moumita Ghosh MRN : 17510001224623 Gender/Age : FEMALE , 31y (18/03/1992)

Collected On : 16/10/2023 10:26 AM Received On : 16/10/2023 10:48 AM Reported On : 16/10/2023 11:36 AM

Barcode : 802310160393 Specimen : Serum Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9831726393

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
SERUM CREATININE			
Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.55	mg/dL	0.52-1.04
eGFR	129.0	mL/min/1.73m ²	-
Blood Urea Nitrogen (BUN) (Endpoint /Colorimetric - Urease)	8.61	mg/dL	7.0-17.0
Serum Sodium (Direct ISE - Potentiometric)	140	mmol/L	137.0-145.0
Serum Potassium (Direct ISE - Potentiometric)	4.6	mmol/L	3.5-5.1
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Colorimetric - Cholesterol Oxidase)	234 H	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Enzymatic Endpoint Colorimetric)	162	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	52	mg/dL	40.0-60.0
Non-HDL Cholesterol	182.0	-	-
LDL Cholesterol (Non LDL Selective Elimination, CHOD/POD)	153.6 H	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	32.4	mg/dL	0.0-40.0
Cholesterol /HDL Ratio	4.5	-	-

LIVER FUNCTION TEST(LFT)



Patient Name : Ms Moumita Ghosh MRN : 17510001224623 Gender/Age : FEMALE , 31y (18/03/1992)			
Bilirubin Total (Colorimetric -Diazo Method)	0.50	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Calculated)	0.11	mg/dL	0.0-0.4
Unconjugated Bilirubin (Indirect) (Colorimetric Endpoint)	0.40	-	-
Total Protein (Biuret Method)	7.90	g/dL	6.3-8.2
Serum Albumin (Colorimetric - Bromo-Cresol Green)	4.70	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.3	g/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.43	-	1.0-2.1
SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	28	U/L	14.0-36.0
SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	40 H	U/L	<35.0
Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer)	117	IU/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide (Szasz Method))	41	U/L	12.0-43.0

--End of Report--



Dr. Sujata Ghosh
PhD, Biochemistry
Biochemist M.Sc , Ph. D



Dr. Debasree Biswas
MD, Biochemistry
Clinical Biochemist MBBS, MD

Patient Name : Ms Moumita Ghosh MRN : 17510001224623 Gender/Age : FEMALE , 31y (18/03/1992)

Note

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.
(LFT, -> Auto Authorized)
(Lipid Profile, -> Auto Authorized)
(Blood Urea Nitrogen (Bun), -> Auto Authorized)
(Serum Sodium, -> Auto Authorized)
(Serum Potassium, -> Auto Authorized)
(CR -> Auto Authorized)



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Barcode : 802310160393 Specimen : Serum Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9831726393

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
THYROID PROFILE (T3, T4, TSH)			
Tri Iodo Thyronine (T3) (Enhanced Chemiluminescence Immunoassay (CLIA))	1.35	ng/mL	0.97-1.69
Thyroxine (T4) (Enhanced Chemiluminescence Immunoassay (CLIA))	8.27	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminescence Immunoassay (CLIA))	4.178 H	uIU/ml	Non Pregnant: 0.4001-4.049 1st Trimester: 0.1298-3.10 2nd Trimester: 0.2749-2.652 3rd Trimester: 0.3127-2.947

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Patient Name : Ms Moumita Ghosh MRN : 17510001224623 Gender/Age : FEMALE , 31y (18/03/1992)
 Collected On : 16/10/2023 10:26 AM Received On : 16/10/2023 10:51 AM Reported On : 16/10/2023 11:43 AM
 Barcode : 812310160263 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)
 Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9831726393

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Photometric Measurement)	11.9 L	g/dL	12.0-15.0
Red Blood Cell Count (Electrical Impedance)	4.62	millions/ μ L	3.8-4.8
PCV (Packed Cell Volume) / Hematocrit (Calculated)	37.7	%	36.0-46.0
MCV (Mean Corpuscular Volume) (Derived From RBC Histogram)	81.6 L	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	25.8 L	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	31.7	%	31.5-34.5
Red Cell Distribution Width (RDW) (Calculated)	14.1 H	%	11.6-14.0
Platelet Count (Electrical Impedance)	290	$10^3/\mu$ L	150.0-400.0
Mean Platelet Volume (MPV) (Derived)	10.6	fL	7.0-11.7
Total Leucocyte Count(WBC) (Electrical Impedance)	5.6	$10^3/\mu$ L	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (VCSn Technology)	59.6	%	40.0-75.0
Lymphocytes (VCSn Technology)	30.9	%	20.0-40.0
Monocytes (VCSn Technology)	6.8	%	2.0-10.0
Eosinophils (VCSn Technology)	2.4	%	1.0-6.0

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Basophils (VCSn Technology)	0.3	%	0.0-2.0
NRBC (VCSn Technology)	0.2	/100 WBC	-
Absolute Neutrophil Count (Calculated)	3.34	$10^3/\mu\text{L}$	1.8-7.8
Absolute Lymphocyte Count (Calculated)	1.74	$10^3/\mu\text{L}$	1.0-4.8
Absolute Monocyte Count (Calculated)	0.39	$10^3/\mu\text{L}$	0.0-0.8
Absolute Eosinophil Count (Calculated)	0.14	$10^3/\mu\text{L}$	0.0-0.45
Absolute Basophil Count (Calculated)	0.02	$10^3/\mu\text{L}$	0.0-0.2

As per the recommendation of International Council for Standardization in Hematology, the differential counts are additionally being reported as absolute numbers.

--End of Report--



Dr. Sanjib Kumar Pattari
MD, Pathology
Consultant Pathology MBBS, MD. Reg No : 53635 (WBMC)

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- Kindly correlate clinically.



DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Ms Moumita Ghosh MRN : 17510001224623 Gender/Age : FEMALE , 31y (18/03/1992)

Collected On : 16/10/2023 10:26 AM Received On : 16/10/2023 10:47 AM Reported On : 16/10/2023 11:23 AM

Barcode : 802310160394 Specimen : Plasma Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9831726393

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
FASTING BLOOD GLUCOSE (FBG) (Glucose Oxidase, Peroxidase)	92	mg/dL	Normal: 70-99 Pre-diabetes: 100-125 Diabetes: => 126 ADA standards 2019

--End of Report--



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- (FASTING BLOOD GLUCOSE (FBG) -> Auto Authorized)



DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Ms Moumita Ghosh MRN : 17510001224623 Gender/Age : FEMALE , 31y (18/03/1992)

Collected On : 16/10/2023 10:26 AM Received On : 16/10/2023 10:51 AM Reported On : 16/10/2023 11:30 AM

Barcode : 802310160395 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9831726393

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c (HPLC)	5.8 H	%	Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2019 (Carpenter/ Coustan)
Estimated Average Glucose	119.76	-	-

Interpretation:
1. HbA1C above 6.5% can be used to diagnose diabetes provided the patient has symptoms. If the patient does not have symptoms with HbA1C>6.5%, repeat measurement on further sample. If the repeat test result is <6.5%, consider as diabetes high risk and repeat measurement after 6 months.
2. HbA1C measurement is not appropriate in diagnosing diabetes in children, suspicion of type 1 diabetes, symptoms of diabetes for less than 2 months, pregnancy, hemoglobinopathies, medications that may result sudden increase in glucose, anemia, renal failure, HIV infection, malignancies, severe chronic hepatic, and renal disease.
3. Any sample with >15% should be suspected of having a haemoglobin variant.

--End of Report-



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PhD, Biochemistry
Biochemist M.Sc , Ph. D

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Patient Name	Moumita Ghosh	Requested By	EXTERNAL
MRN	17510001224623	Procedure DateTime	2023-10-16 13:49:51
Age/Sex	31Y 6M/Female	Hospital	NH-RTIICS

USG OF WHOLE ABDOMEN (SCREENING)

LIVER:

It is enlarged in size and mildly hyperechoic. No focal SOL is seen. The intrahepatic biliary radicles are not dilated.

PORTAL VEIN:

The portal vein is normal in calibre at the porta. There is no intraluminal thrombus.

GALL BLADDER:

It is optimally distended. No calculus or sludge is seen within it. The wall is not thickened.

CBD:

The common duct is not dilated at porta. No intraluminal calculus is seen.

SPLEEN:

It is normal in size measuring 8.2 cm and echogenicity. No focal SOL is seen. The splenoportal axis is patent and is normal in dimensions.

PANCREAS:

It is normal in size and echogenicity. The duct is not dilated. No calcification or focal SOL is seen.

KIDNEYS:

Both kidneys are normal in size, position and echogenicity. The corticomedullary differentiation is maintained. No hydronephrosis, calculus or mass is seen.

Right kidney and left kidney measures 11.4 cm and 9.6 cm respectively.

URINARY BLADDER:

It is normal in capacity. The wall is not thickened. No intraluminal calculus or mass is seen.

UTERUS:

Normal in size measuring 8.6 x 3.4 x 4.8 cm . No focal SOL is seen. The endometrial echoline is central in position. Endometrium is not thickened (and measures 0.39 cm). The cervix appears normal.

OVARIES:

The ovaries are normal in size, shape and echotexture.

The right and left ovaries measures 2.5 x 1.8 cm and 2.5 x 1.6 cm respectively.

IMPRESSION:

- Hepatomegaly with Grade I fatty liver.

NOT FOR MEDICO LEGAL PURPOSES

This is only a Radiological Impression and not Diagnosis. Like all diagnostic modalities, USG also has its limitations. Therefore USG report should be interpreted in correlation with clinical and pathological findings.

All typing and topographical error is regretted and if detected at any time is correctable. Please inform us

immediately.

Assist By :Srabani



Dr. Ashish Kumar
Consultant Sonologist

* ***This is a digitally signed valid document.***Reported Date/Time: 2023-10-16 14:03:33

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Final Report

Patient Name : Ms Moumita Ghosh MRN : 17510001224623 Gender/Age : FEMALE , 31y (18/03/1992)

Collected On : 16/10/2023 10:26 AM Received On : 16/10/2023 10:46 AM Reported On : 16/10/2023 01:01 PM

Barcode : BR2310160035 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9831726393

IMMUNOHAEMATOLOGY

Test	Result	Unit
BLOOD GROUP & RH TYPING		
Blood Group (Column Agglutination Technology)	B	-
RH Typing (Column Agglutination Technology)	Positive	-

--End of Report--



Dr. Amal Kumar Saha
MBBS, D.PED, ECFMG
Blood Bank Officer

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Collected On : 16/10/2023 10:26 AM Received On : 16/10/2023 10:51 AM Reported On : 16/10/2023 12:02 PM
Barcode : 812310160262 Specimen : Whole Blood - ESR Consultant : EXTERNAL(EXTERNAL)
Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9831726393

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Modified Westergren Method)	37 H	mm/1hr	0.0-12.0

--End of Report--



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Patient Name : Ms Moumita Ghosh MRN : 17510001224623 Gender/Age : FEMALE , 31y (18/03/1992)
 Collected On : 16/10/2023 10:26 AM Received On : 16/10/2023 02:05 PM Reported On : 16/10/2023 03:05 PM
 Barcode : 822310160031 Specimen : Urine Consultant : EXTERNAL(EXTERNAL)
 Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9831726393

CLINICAL PATHOLOGY

Test	Result	Unit	Biological Reference Interval
URINE ROUTINE & MICROSCOPY			
PHYSICAL EXAMINATION			
Volume	45	ml	-
Colour	Straw	-	-
Appearance	Clear	-	-
CHEMICAL EXAMINATION			
pH(Reaction) (Mixed PH Indicator)	6.5	-	4.8-7.5
Sp. Gravity (Dual Wavelength Reflectance)	1.005	-	1.002-1.030
Protein (Protein Error Of PH Indicator)	Negative	-	-
Urine Glucose (Glucose Oxidase, Peroxidase)	Negative	-	Negative
Ketone Bodies (Legal's Method)	Negative	-	Negative
Bile Salts (Dual Wavelength Reflectance/Manual)	Negative	-	Negative
Bile Pigment (Bilirubin) (Coupling Of Bilirubin With Diazonium Salt)	Negative	-	Negative
Urobilinogen (Coupling Reaction Of Urobilinogen With A Stable Diazonium Salt In Buffer)	Normal	-	Normal
Urine Leucocyte Esterase (Enzymatic, Indoxyl Ester And Diazonium Salt)	Negative	-	Negative
Blood Urine (Pseudo - Enzymatic Test, Organic Peroxidase And Chromogen)	Negative	-	Negative
Nitrite (Modified Griess Reaction)	Negative	-	Negative

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MICROSCOPIC EXAMINATION

Pus Cells	2-4	/hpf	1-2
RBC	NIL	/hpf	0 - 3
Epithelial Cells	1-2	/hpf	2-3
Crystals	NIL	-	-
Casts	NIL	-	-

--End of Report--



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ADULT TRANS-THORACIC ECHO REPORT

PATIENT NAME : Ms Moumita Ghosh
GENDER/AGE : Female, 31 Years
LOCATION : -

PATIENT MRN : 17510001224623
PROCEDURE DATE : 16/10/2023 03:30 PM
REQUESTED BY : EXTERNAL



IMPRESSION

- NO SIGNIFICANT ECHOCARDIOGRAPHIC ABNORMALITY DETECTED.

FINDINGS

CHAMBERS

LEFT ATRIUM : NORMAL SIZED
RIGHT ATRIUM : NORMAL SIZED
LEFT VENTRICLE : NORMAL SIZED CAVITY. NO REGIONAL WALL MOTION ABNORMALITY. GOOD SYSTOLIC FUNCTION WITH EJECTION FRACTION: 65%. NORMAL DIASTOLIC FLOW PATTERN.
RIGHT VENTRICLE : NORMAL

VALVES

MITRAL : NORMAL
AORTIC : NORMAL
TRICUSPID : NORMAL
PULMONARY : NORMAL

SEPTAE

IAS : INTACT
IVS : INTACT

ARTERIES AND VEINS

AORTA : NORMAL, LEFT AORTIC ARCH
PA : NORMAL SIZE
IVC : NORMAL SIZE & COLLAPSIBILITY
SVC & CS : NORMAL
PULMONARY VEINS : NORMAL

PERICARDIUM : NORMAL PERICARDIAL THICKNESS. NO EFFUSION

INTRACARDIAC MASS : NO TUMOUR, THROMBUS OR VEGETATION SEEN

OTHERS : NIL.

MS MOUMITA GHOSH (17510001224623)

DR. RANJIT MUKHERJEE
ASSOCIATE CONSULTANT ECHOCARDIOGRAPHY MBBS, PGDCC

RUPA ANTONY
TECHNICIAN

16/10/2023 03:30 PM

PREPARED BY : SHAWLI MITRA(307739)
GENERATED BY : PAROMITA SARKAR(329190)

PREPARED ON : 16/10/2023 04:12 PM
GENERATED ON : 16/10/2023 04:58 PM