

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr KRISHANU MONDAL MRN : 17510000562209 Gender/Age : MALE , 33y (31/10/1989)

Collected On : 08/04/2023 01:11 PM Received On : 08/04/2023 01:29 PM Reported On : 08/04/2023 02:22 PM

Barcode : 802304080603 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-005 Patient Mobile No : 9051633015

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c (HPLC)	4.2	%	Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2019 (Carpenter/ Coustan)
Estimated Average Glucose	73.84	-	-

Interpretation:

- 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.
- 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.
- Any sample with >15% should be suspected of having a haemoglobin variant.

--End of Report--

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

Note

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.



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Collected On : 08/04/2023 01:11 PM Received On : 08/04/2023 01:30 PM Reported On : 08/04/2023 02:33 PM

Barcode : 802304080601 Specimen : Serum Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-005 Patient Mobile No : 9051633015

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
LIVER FUNCTION TEST(LFT)			
Bilirubin Total (Colorimetric -Diazo Method)	0.85	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Calculated)	0.18	mg/dL	0.0-0.4
Unconjugated Bilirubin (Indirect) (Colorimetric Endpoint)	0.66	-	-
Total Protein (Biuret Method)	8.10	g/dL	6.3-8.2
Serum Albumin (Colorimetric - Bromo-Cresol Green)	5.00	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.1	g/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.62	-	1.0-2.1
SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	46	U/L	17.0-59.0
SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	42	U/L	<50.0
Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer)	47	IU/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide (Szasz Method))	183 H	U/L	15.0-73.0

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

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
SERUM CREATININE			
Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.93	mg/dL	0.66-1.25
eGFR	93.6	mL/min/1.73m ²	-
Blood Urea Nitrogen (BUN) (Endpoint /Colorimetric - Urease)	9.44	-	9.0-20.0
Serum Sodium (Direct ISE - Potentiometric)	140	mmol/L	137.0-145.0
Serum Potassium (Direct ISE - Potentiometric)	4.5	mmol/L	3.5-5.1
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Colorimetric - Cholesterol Oxidase)	226 H	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Enzymatic Endpoint Colorimetric)	191	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	41	mg/dL	40.0-60.0
Non-HDL Cholesterol	185.0	-	-
LDL Cholesterol (Non LDL Selective Elimination, CHOD/POD)	136.24 H	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190

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VLDL Cholesterol (Calculated)	38.2	mg/dL	0.0-40.0
Cholesterol /HDL Ratio	5.6	-	-

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(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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Collected On : 08/04/2023 01:11 PM Received On : 08/04/2023 01:30 PM Reported On : 08/04/2023 04:05 PM

Barcode : 802304080601 Specimen : Serum Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-005 Patient Mobile No : 9051633015

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
THYROID PROFILE (T3, T4, TSH)			
Tri Iodo Thyronine (T3) (Enhanced Chemiluminescence Immunoassay (CLIA))	1.16	ng/mL	0.97-1.69
Thyroxine (T4) (Enhanced Chemiluminescence Immunoassay (CLIA))	6.54	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminescence Immunoassay (CLIA))	7.416 H	uIU/ml	0.4001-4.049

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Clinical Biochemist MBBS, MD

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Patient Name : Mr KRISHANU MONDAL MRN : 17510000562209 Gender/Age : MALE , 33y (31/10/1989)

Collected On : 08/04/2023 05:35 PM Received On : 08/04/2023 06:00 PM Reported On : 08/04/2023 06:21 PM

Barcode : 802304080754 Specimen : Plasma Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-005 Patient Mobile No : 9051633015

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
Post Prandial Blood Sugar (PPBS) (Glucose Oxidase, Peroxidase)	100	mg/dL	Normal: 70-139 Pre-diabetes: 140-199 Diabetes: => 200 ADA standards 2019

Interpretations:

(ADA Standards Jan 2017)

FBS can be less than PPBS in certain conditions like post prandial reactive hypoglycaemia, exaggerated response to insulin, subclinical hypothyroidism, very lean/anxious individuals. In non-diabetic individuals, such patients can be followed up with GTT.

--End of Report--



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(Post Prandial Blood Sugar (PPBS) -> Auto Authorized)



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Collected On : 08/04/2023 01:11 PM Received On : 08/04/2023 01:30 PM Reported On : 08/04/2023 02:44 PM

Barcode : 812304080382 Specimen : Whole Blood - ESR Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-005 Patient Mobile No : 9051633015

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Modified Westergren Method)	05	mm/1hr	0.0-10.0

--End of Report--

Dr. Rakhi Mandal
MD, Pathology
Consultant Pathology MBBS, MD

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Collected On : 08/04/2023 01:11 PM Received On : 08/04/2023 01:29 PM Reported On : 08/04/2023 01:55 PM

Barcode : 812304080383 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-005 Patient Mobile No : 9051633015

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Photometric Measurement)	13.9	g/dL	13.0-17.0
Red Blood Cell Count (Electrical Impedance)	4.50	millions/ μ L	4.5-5.5
PCV (Packed Cell Volume) / Hematocrit (Calculated)	41.2	%	40.0-54.0
MCV (Mean Corpuscular Volume) (Derived From RBC Histogram)	91.6	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	30.8	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	33.6	%	31.5-34.5
Red Cell Distribution Width (RDW) (Calculated)	13.2	%	11.6-14.0
Platelet Count (Electrical Impedance)	185	$10^3/\mu$ L	150.0-400.0
Mean Platelet Volume (MPV) (Derived)	11.5	fL	7.0-11.7
Total Leucocyte Count(WBC) (Electrical Impedance)	8.8	$10^3/\mu$ L	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (VCSn Technology)	61.2	%	40.0-75.0
Lymphocytes (VCSn Technology)	26.6	%	20.0-40.0
Monocytes (VCSn Technology)	9.3	%	2.0-10.0
Eosinophils (VCSn Technology)	2.2	%	1.0-6.0

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Basophils (VCSn Technology)	0.7	%	0.0-2.0
NRBC (VCSn Technology)	0.1	/100 WBC	-
Absolute Neutrophil Count (Calculated)	5.39	$10^3/\mu\text{L}$	1.8-7.8
Absolute Lymphocyte Count (Calculated)	2.35	$10^3/\mu\text{L}$	1.0-4.8
Absolute Monocyte Count (Calculated)	0.82 H	$10^3/\mu\text{L}$	0.0-0.8
Absolute Eosinophil Count (Calculated)	0.2	$10^3/\mu\text{L}$	0.0-0.45
Absolute Basophil Count (Calculated)	0.07	$10^3/\mu\text{L}$	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--

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Consultant Pathology MBBS, MD

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Collected On : 08/04/2023 01:11 PM Received On : 08/04/2023 02:58 PM Reported On : 08/04/2023 05:30 PM

Barcode : 822304080059 Specimen : Urine Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-005 Patient Mobile No : 9051633015

CLINICAL PATHOLOGY

Test	Result	Unit	Biological Reference Interval
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URINE ROUTINE & MICROSCOPY**PHYSICAL EXAMINATION**

Volume	30	ml	-
Colour	Straw	-	-
Appearance	Clear	-	-

CHEMICAL EXAMINATION

pH(Reaction) (Mixed PH Indicator)	6.0	-	4.8-7.5
Sp. Gravity (Dual Wavelength Reflectance)	1.004	-	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	0-2	/hpf	1-2
RBC	NIL	/hpf	0 - 3
Epithelial Cells	Occasional	/hpf	2-3
Crystals	NIL	-	-
Casts	NIL	-	-

--End of Report--



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Consultant Pathology MBBS, MD

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Collected On : 08/04/2023 01:11 PM Received On : 08/04/2023 01:30 PM Reported On : 08/04/2023 02:15 PM

Barcode : 802304080602 Specimen : Plasma Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-005 Patient Mobile No : 9051633015

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (Glucose Oxidase, Peroxidase)	86	mg/dL	Normal: 70-99 Pre-diabetes: 100-125 Diabetes: => 126 ADA standards 2019

--End of Report--

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

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

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(Fasting Blood Sugar (FBS) -> Auto Authorized)



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Patient Name : Mr KRISHANU MONDAL MRN : 17510000562209 Gender/Age : MALE , 33y (31/10/1989)

Collected On : 08/04/2023 01:11 PM Received On : 08/04/2023 02:14 PM Reported On : 08/04/2023 05:24 PM

Barcode : BR2304080075 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-005 Patient Mobile No : 9051633015

IMMUNOHAEMATOLOGY

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

--End of Report--

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

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ADULT TRANS-THORACIC ECHO REPORT

PATIENT NAME : Mr KRISHANU MONDAL
GENDER/AGE : Male, 33 Years
LOCATION : -

PATIENT MRN : 17510000562209
PROCEDURE DATE : 08/04/2023 04:34 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 SIZE AND THICKNESS WITH NORMAL FUNCTION

VALVES

MITRAL : NORMAL.
AORTIC : NORMAL.
TRICUSPID : NORMAL. TRIVIAL TR. (TR GRADIENT: 23 MMHG).
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.

MR KRISHANU MONDAL (17510000562209)

DR. PRASUN HALDER
ASSOCIATE CONSULTANT ECHOCARDIOGRAPHY MBBS, PGDCC

RUPA ANTONY
TECHNICIAN

08/04/2023 04:34 PM

PREPARED BY	: SARMISTHA PRAMANIK(335772)	PREPARED ON	: 08/04/2023 06:05 PM
GENERATED BY	: MADHUPARNA DASGUPTA(333433)	GENERATED ON	: 11/04/2023 12:12 PM

Patient Name	KRISHANU MONDAL	Requested By	EXTERNAL
MRN	17510000562209	Procedure DateTime	2023-04-08 15:51:17
Age/Sex	33Y 5M/Male	Hospital	NH-RTIICS

USG OF WHOLE ABDOMEN (SCREENING)

LIVER:

It is normal in size and increased in echogenicity. 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. No collaterals are seen.

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 9.8 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 9.5 x 4.2 cm and 9.6 x 4.2 cm respectively.

URINARY BLADDER:

It is normal in capacity. The wall is not thickened. No intraluminal calculus or mass is seen. Post void residual urine insignificant.

PROSTATE:

It is measuring 3.5 x 3.2 x 3.6 cm (Weight = 21 gms). It shows a homogenous echotexture and smooth outline.

No ascites is seen.

IMPRESSION:

- Grade I fatty changes in 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.



Dr. Somali Roy

Consultant Sonologist

* ***This is a digitally signed valid document.*** Reported Date/Time: 2023-04-08 16:04:12

Patient Name	KRISHANU MONDAL	Requested By	
MRN	17510000562209	Procedure DateTime	2023-04-08 13:36:28
Age/Sex	33Y 5M/Male	Hospital	NH-RTIICS

CHEST RADIOGRAPH (PA VIEW)

FINDINGS:

- **Slight lateral curvature of dorsal spine with convexity towards right side.**
- Trachea is normal and is central.
- The cardiac shadow is normal in contour.
- Mediastinum and great vessels are within normal limits.
- The hilar shadows are within normal limits.
- The lung fields and bronchovascular markings appear normal.
- The costo-phrenic angles are clear.
- Both the diaphragmatic domes appear normal.

REPORTED BY DR. ARPAN CHOWDHURY

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Dr. Gunjan Gupta
MBBS, MD (Radiodiagnosis)