

# ADULT TRANS-THORACIC ECHO REPORT

**PATIENT NAME** : Ms Bratati Mondal  
**GENDER/AGE** : Female, 31 Years  
**LOCATION** : -

**PATIENT MRN** : 17510001215213  
**PROCEDURE DATE** : 09/09/2023 02:49 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: 64%. 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 BRATATI MONDAL (17510001215213)

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DR. RANJIT MUKHERJEE  
ASSOCIATE CONSULTANT ECHOCARDIOGRAPHY MBBS, PGDCC

POMPA BISWAS  
TECHNICIAN

09/09/2023 02:49 PM

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

**PREPARED ON** : 09/09/2023 03:41 PM  
**GENERATED ON** : 09/09/2023 04:25 PM

**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Bratati Mondal MRN : 17510001215213 Gender/Age : FEMALE , 31y (17/11/1991)

Collected On : 09/09/2023 03:02 PM Received On : 09/09/2023 03:23 PM Reported On : 09/09/2023 04:06 PM

Barcode : 802309090776 Specimen : Plasma Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7439945430

**CLINICAL CHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>Post Prandial Blood Sugar (PPBS)</b> (Glucose Oxidase, Peroxidase)	96	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--



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



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

**Note**

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.  
(Post Prandial Blood Sugar (PPBS) -> Auto Authorized)



<b>Patient Name</b>	Bratati Mondal	<b>Requested By</b>	EXTERNAL
<b>MRN</b>	17510001215213	<b>Procedure DateTime</b>	2023-09-09 12:43:17
<b>Age/Sex</b>	31Y 9M/Female	<b>Hospital</b>	NH-RTIICS

### **USG OF WHOLE ABDOMEN (SCREENING)**

#### **LIVER:**

It is enlarged in size and normal 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.

#### **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 8.8 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 10.0 cm and 10.5 cm respectively.

**URINARY BLADDER:**

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

**UTERUS:**

It is elongated measuring 10.7 x 4.1 x 5.5 cm . No focal SOL is seen. The endometrial echoline is central in position. Endometrium is not thickened (and measures 3 mm). The cervix appears normal.

**OVARIES:**

The ovaries are normal in size, shape and echotexture.

The right and left ovaries measures 2.4 x 3.2 x 1.4 cm ( 6 cc) and 3.3 x 1.8 x 2.4 cm ( 7 cc) respectively.

**IMPRESSION:**

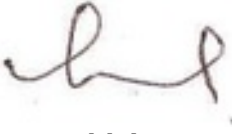
- Hepatomegaly.

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 : Arpita



**Dr. Ashish Kumar**  
Consultant Sonologist

\* ***This is a digitally signed valid document.*** Reported Date/Time: 2023-09-09 13:06:30

**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Bratati Mondal MRN : 17510001215213 Gender/Age : FEMALE , 31y (17/11/1991)

Collected On : 09/09/2023 09:39 AM Received On : 09/09/2023 09:58 AM Reported On : 09/09/2023 11:03 AM

Barcode : 802309090414 Specimen : Serum Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7439945430

**CLINICAL CHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>SERUM CREATININE</b>			
Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.64	mg/dL	0.52-1.04
eGFR	108.3	mL/min/1.73m <sup>2</sup>	-
<b>Blood Urea Nitrogen (BUN)</b> (Endpoint /Colorimetric - Urease)	16.64	mg/dL	7.0-17.0
<b>Serum Sodium</b> (Direct ISE - Potentiometric)	137	mmol/L	137.0-145.0
<b>Serum Potassium</b> (Direct ISE - Potentiometric)	4.8	mmol/L	3.5-5.1
<b>LIVER FUNCTION TEST(LFT)</b>			
Bilirubin Total (Colorimetric -Diazo Method)	0.56	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Calculated)	0.25	mg/dL	0.0-0.4
Unconjugated Bilirubin (Indirect) (Colorimetric Endpoint)	0.30	-	-
Total Protein (Biuret Method)	7.80	g/dL	6.3-8.2
Serum Albumin (Colorimetric - Bromo-Cresol Green)	4.60	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.2	g/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.44	-	1.0-2.1
SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	24	U/L	14.0-36.0
SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	13	U/L	<35.0

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Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer)	63	IU/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide ( Szasz Method))	10 L	U/L	12.0-43.0



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**CLINICAL CHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)</b>			
Cholesterol Total (Colorimetric - Cholesterol Oxidase)	171	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Enzymatic Endpoint Colorimetric )	70	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	73 H	mg/dL	40.0-60.0
Non-HDL Cholesterol	98.0	-	-
LDL Cholesterol (Non LDL Selective Elimination, CHOD/POD)	73.2	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	14.0	mg/dL	0.0-40.0
Cholesterol /HDL Ratio	2.4	-	-

--End of Report--



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(LFT, -> Auto Authorized)  
(Blood Urea Nitrogen (Bun), -> Auto Authorized)  
(Serum Sodium, -> Auto Authorized)  
(Serum Potassium, -> Auto Authorized)  
(CR -> Auto Authorized)



**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Bratati Mondal MRN : 17510001215213 Gender/Age : FEMALE , 31y (17/11/1991)

Collected On : 09/09/2023 09:39 AM Received On : 09/09/2023 09:58 AM Reported On : 09/09/2023 11:18 AM

Barcode : 802309090414 Specimen : Serum Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7439945430

**CLINICAL CHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>THYROID PROFILE (T3, T4, TSH)</b>			
Tri Iodo Thyronine (T3) (Enhanced Chemiluminescence Immunoassay (CLIA))	0.980	ng/mL	0.97-1.69
Thyroxine (T4) (Enhanced Chemiluminescence Immunoassay (CLIA))	7.55	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminescence Immunoassay (CLIA))	3.899	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

--End of Report--



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( -> Auto Authorized)



**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Bratati Mondal MRN : 17510001215213 Gender/Age : FEMALE , 31y (17/11/1991)

Collected On : 09/09/2023 09:39 AM Received On : 09/09/2023 10:02 AM Reported On : 09/09/2023 10:39 AM

Barcode : 812309090312 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7439945430

**HAEMATOLOGY LAB**

Test	Result	Unit	Biological Reference Interval
<b>COMPLETE BLOOD COUNT (CBC)</b>			
Haemoglobin (Hb%) (Photometric Measurement)	<b>11.3 L</b>	g/dL	12.0-15.0
Red Blood Cell Count (Electrical Impedance)	<b>5.15 H</b>	millions/ $\mu$ L	3.8-4.8
PCV (Packed Cell Volume) / Hematocrit (Calculated)	37.2	%	36.0-46.0
MCV (Mean Corpuscular Volume) (Derived From RBC Histogram)	<b>72.2 L</b>	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	<b>21.9 L</b>	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	<b>30.4 L</b>	%	31.5-34.5
Red Cell Distribution Width (RDW) (Calculated)	<b>15.5 H</b>	%	11.6-14.0
Platelet Count (Electrical Impedance)	204	$10^3/\mu$ L	150.0-400.0
Mean Platelet Volume (MPV) (Derived)	11.2	fL	7.0-11.7
Total Leucocyte Count(WBC) (Electrical Impedance)	6.5	$10^3/\mu$ L	4.0-10.0
<b>DIFFERENTIAL COUNT (DC)</b>			
Neutrophils (VCSn Technology)	64.7	%	40.0-75.0
Lymphocytes (VCSn Technology)	26.8	%	20.0-40.0
Monocytes (VCSn Technology)	5.0	%	2.0-10.0
Eosinophils (VCSn Technology)	3.1	%	1.0-6.0

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Basophils (VCSn Technology)	0.4	%	0.0-2.0
Absolute Neutrophil Count (Calculated)	4.21	$10^3/\mu\text{L}$	1.8-7.8
Absolute Lymphocyte Count (Calculated)	1.75	$10^3/\mu\text{L}$	1.0-4.8
Absolute Monocyte Count (Calculated)	0.33	$10^3/\mu\text{L}$	0.0-0.8
Absolute Eosinophil Count (Calculated)	0.21	$10^3/\mu\text{L}$	0.0-0.45
Absolute Basophil Count (Calculated)	0.03	$10^3/\mu\text{L}$	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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Final Report

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Collected On : 09/09/2023 09:39 AM Received On : 09/09/2023 09:58 AM Reported On : 09/09/2023 10:36 AM

Barcode : 802309090415 Specimen : Plasma Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7439945430

**CLINICAL CHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>Fasting Blood Sugar (FBS)</b> (Glucose Oxidase, Peroxidase)	90	mg/dL	Normal: 70-99 Pre-diabetes: 100-125 Diabetes: => 126 ADA standards 2019

--End of Report--



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



**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

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Collected On : 09/09/2023 09:39 AM Received On : 09/09/2023 09:59 AM Reported On : 09/09/2023 12:06 PM  
Barcode : BR2309090036 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)  
Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7439945430

**IMMUNOHAEMATOLOGY**

Test	Result	Unit
<b>BLOOD GROUP &amp; RH TYPING</b>		
Blood Group (Column Agglutination Technology)	AB	-
RH Typing (Column Agglutination Technology)	Positive	-

--End of Report--



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

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**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Bratati Mondal MRN : 17510001215213 Gender/Age : FEMALE , 31y (17/11/1991)  
Collected On : 09/09/2023 09:39 AM Received On : 09/09/2023 10:01 AM Reported On : 09/09/2023 10:42 AM  
Barcode : 802309090416 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)  
Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7439945430

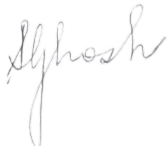
**CLINICAL CHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>HBA1C</b>			
HbA1c (HPLC)	<b>5.7 H</b>	%	Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2019 (Carpenter/ Coustan)
Estimated Average Glucose	116.89	-	-

**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-



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**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Bratati Mondal MRN : 17510001215213 Gender/Age : FEMALE , 31y (17/11/1991)

Collected On : 09/09/2023 09:39 AM Received On : 09/09/2023 10:02 AM Reported On : 09/09/2023 11:30 AM

Barcode : 812309090311 Specimen : Whole Blood - ESR Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7439945430

**HAEMATOLOGY LAB**

Test	Result	Unit	Biological Reference Interval
<b>Erythrocyte Sedimentation Rate (ESR)</b> (Modified Westergren Method)	<b>30 H</b>	mm/1hr	0.0-12.0

--End of Report--



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