

**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Mr Shovan Mandal MRN : 17600000235965 Gender/Age : MALE , 34y (25/07/1988)

Collected On : 25/03/2023 10:52 AM Received On : 25/03/2023 10:55 AM Reported On : 25/03/2023 12:18 PM

Barcode : F22303250090 Specimen : Whole Blood - ESR Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7001216691

**HAEMATOLOGY LAB**

Test	Result	Unit	Biological Reference Interval
<b>Erythrocyte Sedimentation Rate (ESR)</b> (Westergren Method)	<b>18 H</b>	mm/1hr	0.0-10.0

--End of Report--

Dr. Prithwijit Ghosh  
MBBS, MD, Pathology  
Consultant Pathologist

**Note**

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



MC-5371

**Narayana Multispeciality Hospital**

(A unit of Narayana Hrudayalaya Limited) CIN: L85110KA2000PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: 78, Jessore Road (South), Kolkata 700127, West Bengal

Email: info.brs.kolkata@narayanahealth.org | [www.narayanahealth.org](http://www.narayanahealth.org)

Appointments  
**1800-309-0309 (Toll Free)**

Emergencies  
**9836-75-0808**

**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Mr Shovan Mandal MRN : 17600000235965 Gender/Age : MALE , 34y (25/07/1988)

Collected On : 25/03/2023 10:52 AM Received On : 25/03/2023 10:55 AM Reported On : 25/03/2023 01:38 PM

Barcode : F12303250118 Specimen : Plasma Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7001216691

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>Fasting Blood Sugar (FBS)</b> (Glucose Oxidase, Hydrogen Peroxidase)	97	mg/dL	Normal: 70-109 Pre-diabetes: 110-125 Diabetes: => 126

--End of Report--

Dr. Prithwijit Ghosh  
MBBS, MD, Pathology  
Consultant Pathologist

**Note**

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



**Narayana Multispeciality Hospital**

(A unit of Narayana Hrudayalaya Limited) CIN: L85110KA2000PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: 78, Jessore Road (South), Kolkata 700127, West Bengal

Email: info.brs.kolkata@narayanahealth.org | [www.narayanahealth.org](http://www.narayanahealth.org)

Appointments  
**1800-309-0309 (Toll Free)**

Emergencies  
**9836-75-0808**

**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Mr Shovan Mandal MRN : 17600000235965 Gender/Age : MALE , 34y (25/07/1988)

Collected On : 25/03/2023 10:52 AM Received On : 25/03/2023 10:55 AM Reported On : 25/03/2023 01:39 PM

Barcode : F22303250089 Specimen : Whole Blood Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7001216691

**HAEMATOLOGY LAB**

Test	Result	Unit	Biological Reference Interval
<b>BLOOD GROUP &amp; RH TYPING</b>			
Blood Group (Slide Technique And Tube Technique)	"O"	-	-
RH Typing (Slide Technique And Tube Technique)	Positive	-	-
<b>COMPLETE BLOOD COUNT (CBC)</b>			
Haemoglobin (Hb%) (Cyanide-free Hemoglobin Method)	13.8	-	-
Red Blood Cell Count (Impedance Variation)	4.86	millions/ $\mu$ L	4.5-5.5
PCV (Packed Cell Volume) / Hematocrit (Impedance)	44.3	%	40.0-50.0
MCV (Mean Corpuscular Volume) (Calculated)	91	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	28.3	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	<b>31.1 L</b>	g/dL	31.5-34.5
Red Cell Distribution Width (RDW) (Impedance)	<b>17.3 H</b>	%	11.6-14.0
Platelet Count (Impedance Variation/Microscopy)	170	Thousand / $\mu$ L	150.0-410.0
Total Leucocyte Count(WBC) (Impedance Variation)	7.1	$\times 10^3$ cells/ $\mu$ l	4.0-10.0
<b>DIFFERENTIAL COUNT (DC)</b>			
Neutrophils (Impedance Variation And Absorbency /Microscopy)	52.8	%	40.0-80.0
Lymphocytes (Impedance Variation And Absorbency /Microscopy)	37.5	%	20.0-40.0

**Narayana Multispeciality Hospital**

(A unit of Narayana Hrudayalaya Limited) CIN: L85110KA2000PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: 78, Jessore Road (South), Kolkata 700127, West Bengal

Email: info.brs.kolkata@narayanahealth.org | [www.narayanahealth.org](http://www.narayanahealth.org)

Appointments

**1800-309-0309 (Toll Free)**

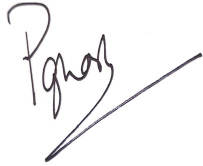
Emergencies

**9836-75-0808**

Patient Name : Mr Shovan Mandal MRN : 17600000235965 Gender/Age : MALE , 34y (25/07/1988)			
Monocytes (Impedance Variation And Absorbency /Microscopy)	4.3	%	2.0-10.0
Eosinophils (Impedance Variation And Absorbency /Microscopy)	5.3	%	1.0-6.0
Basophils (Impedance Variation And Absorbency /Microscopy)	<b>0.1 L</b>	%	1.0-2.0
Absolute Neutrophil Count	3.75	-	-
Absolute Lymphocyte Count	2.66	-	-
Absolute Monocyte Count	0.31	-	-
Absolute Eosinophil Count	0.38	-	-
Absolute Basophil Count	0.01	-	-

*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. Prithwijiit Ghosh  
 MBBS, MD, Pathology  
 Consultant Pathologist

**Note**

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



**Narayana Multispeciality Hospital**

(A unit of Narayana Hrudayalaya Limited) CIIN: L85110KA2000PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: 78, Jessore Road (South), Kolkata 700127, West Bengal

Email: info.brs.kolkata@narayanahealth.org | [www.narayanahealth.org](http://www.narayanahealth.org)

Appointments  
**1800-309-0309 (Toll Free)**

Emergencies  
**9836-75-0808**

**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Mr Shovan Mandal MRN : 17600000235965 Gender/Age : MALE , 34y (25/07/1988)

Collected On : 25/03/2023 10:52 AM Received On : 25/03/2023 10:55 AM Reported On : 25/03/2023 06:23 PM

Barcode : F12303250119 Specimen : Whole Blood Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7001216691

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>HBA1C</b>			
HbA1c (HPLC)	5.3	%	Both: Normal: 4.0-5.6 Both: Prediabetes: 5.7-6.4 Both: Diabetes: => 6.5 ADA standards 2019 (Carpenter/ Coustan)
Estimated Average Glucose	105.41	-	-

**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--

Dr. Samarпита Mukherjee  
MBBS, MD Biochemistry  
CONSULTANT

**Note**

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



# ADULT TRANS-THORACIC ECHO REPORT

**PATIENT NAME** : Mr Shovan Mandal  
**GENDER/AGE** : Male, 34 Years  
**LOCATION** : -

**PATIENT MRN** : 17600000235965  
**PROCEDURE DATE** : 25/03/2023 01:55 PM  
**REQUESTED BY** : Dr. Swarup Paul



## IMPRESSION

- NORMAL SIZED LEFT VENTRICULAR CAVITY
- NO RWMA
- GOOD LEFT VENTRICULAR SYSTOLIC FUNCTION WITH LVEF 68 %
- GRADE I DIASTOLIC DYSFUNCTION
- GOOD RIGHT VENTRICULAR SYSTOLIC FUNCTION
- NO PULMONARY HYPERTENSION

## FINDINGS

### CHAMBERS

LEFT ATRIUM : NORMAL  
RIGHT ATRIUM : NORMAL  
LEFT VENTRICLE : NORMAL SIZED LEFT VENTRICULAR CAVITY. NO RWMA. GOOD LEFT VENTRICULAR SYSTOLIC FUNCTION WITH LVEF 68 %. GRADE I DIASTOLIC DYSFUNCTION.  
RIGHT VENTRICLE : NORMAL IN SIZE. GOOD RV SYSTOLIC FUNCTION, TAPSE 26 MM

### VALVES

MITRAL : MORPHOLOGICALLY NORMAL  
AORTIC : MORPHOLOGICALLY NORMAL, AV VMAX 123 CM/SEC, PEAK PG - 6.6 MMHG  
TRICUSPID : MORPHOLOGICALLY NORMAL, TRIVIAL TR, TRPG 13 MMHG  
PULMONARY : MORPHOLOGICALLY NORMAL

### SEPTAE

IAS : INTACT  
IVS : INTACT

### ARTERIES AND VEINS

AORTA : NORMAL  
PA : NORMAL , NO PULMONARY HYPERTENSION  
IVC : IVC 12 MM WITH NORMAL RESPIRATORY VARIATION

**PERICARDIUM** : NORMAL

**INTRACARDIAC MASS** : NO INTRACARDIAC MASS OR THROMBUS SEEN IN TTE.

MR SHOVAN MANDAL (17600000235965)



DR. SANYAL SOUGATA  
ASSOCIATE CONSULTANT

25/03/2023 01:55 PM

**PREPARED BY** : SURAJIT BISWAS(353011)  
**GENERATED BY** : ANKANA GHOSH(357843)

**PREPARED ON** : 25/03/2023 01:57 PM  
**GENERATED ON** : 30/03/2023 09:46 AM

<b>Patient Name</b>	Shovan Mandal	<b>Requested By</b>	Dr. Swarup Paul
<b>MRN</b>	17600000235965	<b>Procedure DateTime</b>	2023-03-25 12:06:13
<b>Age/Sex</b>	34Y 8M/Male	<b>Hospital</b>	NH-BARASAT

### **ULTRASONOGRAPHY OF WHOLE ABDOMEN**

**LIVER** : Liver is mildly enlarged in size (15.8 cm) but has normal shape and outline. There is moderate diffuse homogenous increase of hepatic parenchymal echogenicity with slightly impaired visualization of intrahepatic vessels and diaphragm. No focal SOL seen. IHBRs are not dilated.

**CBD** : It is not dilated, measuring – 5.3 mm at porta, visualized proximal lumen is clear. Distal CBD is obscured by bowel gas shadow.

**PV** : It appears normal, measuring – 9.1 mm at porta.

**GALL BLADDER** : It is optimally distended. No evidence of intraluminal calculus or sludge is seen. **Few echogenic foci casting distal comet-tail artifact noted in wall of gall bladder, suggesting cholesterosis.** Gall bladder wall is normal in thickness. No pericholecystic collection or frank mass formation is seen.

**SPLEEN** : It is normal in size (10.9 cm), shape, outline & echotexture. No focal lesion seen.

**PANCREAS** : It is normal in size and echotexture . No focal lesion is seen. No calcification is seen. Main pancreatic duct is not dilated.

**ADRENAL GLANDS** : They are not enlarged.

**KIDNEYS** : Both kidneys are normal in size, shape, position and axis. Cortical echo is normal. Cortico-medullary differentiation is maintained. No calculus or hydronephrosis is seen. Perirenal fascial planes are intact. Measures : Right kidney – 9.6 cm. Left kidney – 11.1 cm.

**URETERS** : They are not visualized as they are not dilated.

Aorta – Normal.

IVC – Normal

**URINARY BLADDER** : It is well distended. Wall is normal. No intraluminal pathology seen.

**PROSTATE GLAND** : It is normal in size, shape, outline & echotexture. Capsule is intact. Margin is regular. Median lobe is not enlarged. Prostate measures : (3.4 x 3.0 x 3.4) cm Volume : 18.6 cc

Both seminal vesicles appear normal.



**RIF/ LIF:** Appendix is not visualized. No mass lesion or lymphadenopathy seen at RIF/ LIF.

No ascites seen.

No pleural effusion seen.

**IMPRESSION :**

- **Mild hepatomegaly with moderate fatty liver.**
- **Cholesterosis of gall bladder.**

Advise : Clinical correlation & further relevant investigation suggested.

*Goutam Das*

**Dr. Goutam Das**  
MD (Radiodiagnosis)

1334

<b>Patient Name</b>	Shovan Mandal	<b>Requested By</b>	Dr. Swarup Paul
<b>MRN</b>	17600000235965	<b>Procedure DateTime</b>	2023-03-25 11:22:55
<b>Age/Sex</b>	34Y 8M/Male	<b>Hospital</b>	NH-BARASAT

**X-RAY - CHEST (PA)**

Lung fields appear normal.

Trachea is in situ

CP angles are clear.

Cardiac shadow is normal.

**Suggested clinical correlation and further investigations**



**Dr. Subrata Sanyal**  
(Department of Radiology)

**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Mr Shovan Mandal MRN : 17600000235965 Gender/Age : MALE , 34y (25/07/1988)

Collected On : 25/03/2023 01:26 PM Received On : 25/03/2023 01:29 PM Reported On : 25/03/2023 03:11 PM

Barcode : F12303250137 Specimen : Plasma Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7001216691

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>Post Prandial Blood Sugar (PPBS)</b> (Glucose Oxidase, Hydrogen Peroxidase)	129	mg/dL	Normal: ≤140 Pre-diabetes: 141-199 Diabetes: => 200

**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. Samarpita Mukherjee  
MBBS, MD Biochemistry  
CONSULTANT

**Note**

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



**Narayana Multispeciality Hospital**

(A unit of Narayana Hrudayalaya Limited) CIN: L85110KA2000PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: 78, Jessore Road (South), Kolkata 700127, West Bengal

Email: info.brs.kolkata@narayanahealth.org | [www.narayanahealth.org](http://www.narayanahealth.org)

Appointments  
**1800-309-0309 (Toll Free)**

Emergencies  
**9836-75-0808**

**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

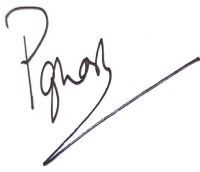
Patient Name : Mr Shovan Mandal MRN : 17600000235965 Gender/Age : MALE , 34y (25/07/1988)  
 Collected On : 25/03/2023 10:52 AM Received On : 25/03/2023 10:55 AM Reported On : 25/03/2023 01:33 PM  
 Barcode : F12303250117 Specimen : Serum Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)  
 Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7001216691

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>SERUM CREATININE</b>			
Serum Creatinine (Enzymatic Method)	1.0	mg/dL	0.66-1.25
eGFR	85.6	mL/min/1.73m <sup>2</sup>	-
<b>Serum Sodium</b> (ISE Direct )	143	mmol/L	137.0-145.0
<b>Serum Potassium</b> (ISE Direct )	4.3	mmol/L	3.5-5.1
<b>LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)</b>			
Cholesterol Total (Cholesterol Oxidase Esterase Peroxidase)	<b>202 H</b>	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Enzymatic End Point)	176	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Direct Measure, PTA /MgCl <sub>2</sub> )	45	mg/dL	Low: <40.0 mg/dL High: >60.0 mg/dL
Non-HDL Cholesterol	157.0	-	-
LDL Cholesterol (End Point)	<b>125.16 H</b>	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	35	mg/dL	0.0-40.0
Cholesterol /HDL Ratio (Calculated)	4.5	-	-
<b>LIVER FUNCTION TEST(LFT)</b>			
Bilirubin Total (Dyphylline, Diazonium Salt)	1.1	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Direct Measure)	<b>0.4 H</b>	mg/dL	0.0-0.3

Patient Name : Mr Shovan Mandal MRN : 17600000235965 Gender/Age : MALE , 34y (25/07/1988)			
Unconjugated Bilirubin (Indirect) (Direct Measure)	0.7	mg/dL	0.3-1.3
Total Protein (Biuret, No Serum Blank, End Point)	7.8	g/dL	6.3-8.2
Serum Albumin (Bromcresol Green (BCG))	4.5	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.3	g/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.36	-	1.0-2.1
SGOT (AST) (Multiple-point Rate)	54	U/L	17.0-59.0
SGPT (ALT) (Uv With P5p)	<b>86 H</b>	U/L	<50.0
Alkaline Phosphatase (ALP) (PMPP, AMP Buffer)	86	IU/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (G-glutamyl-p-nitroanilide)	<b>75 H</b>	U/L	15.0-73.0
<b>THYROID PROFILE (T3, T4, TSH)</b>			
Tri Iodo Thyronine (T3) (CLIA)	1.53	ng/mL	0.97-1.69
Thyroxine (T4) (CLIA)	8.62	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (CLIA)	2.232	µIU/mL	0.4-4.049

--End of Report--



Dr. Prithwijit Ghosh  
MBBS, MD, Pathology  
Consultant Pathologist

Patient Name : Mr Shovan Mandal MRN : 1760000235965 Gender/Age : MALE , 34y (25/07/1988)

**Note**

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



**Narayana Multispeciality Hospital**

(A unit of Narayana Hrudayalaya Limited) CIN: L85110KA2000PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: 78, Jessore Road (South), Kolkata 700127, West Bengal

Email: [info.brs.kolkata@narayanahealth.org](mailto:info.brs.kolkata@narayanahealth.org) | [www.narayanahealth.org](http://www.narayanahealth.org)

Appointments  
**1800-309-0309 (Toll Free)**

Emergencies  
**9836-75-0808**

**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Mr Shovan Mandal MRN : 17600000235965 Gender/Age : MALE , 34y (25/07/1988)

Collected On : 25/03/2023 10:52 AM Received On : 25/03/2023 10:55 AM Reported On : 25/03/2023 01:33 PM

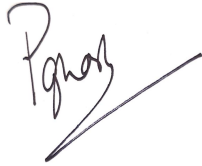
Barcode : F12303250117 Specimen : Serum Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7001216691

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>Blood Urea Nitrogen (BUN)</b> (Urease, UV)	10.27	mg/dL	9.0-20.0

--End of Report--



Dr. Prithwijiit Ghosh  
MBBS, MD, Pathology  
Consultant Pathologist

**Note**

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

