



**DEPARTMENT OF LABORATORY MEDICINE**

Patient Name : Ms Susmita Sen Roy MRN : 17650000232967 Gender/Age : FEMALE , 28y (26/12/1994)  
 Collected On : 11/03/2023 12:26 PM Received On : 11/03/2023 12:31 PM Reported On : 11/03/2023 01:44 PM  
 Barcode : J22303110127 Specimen : Whole Blood Consultant : Dr. Sudip Banerjee(EMERGENCY MEDICINE)  
 Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 89842067112

**HAEMATOLOGY**

Test	Result	Unit	Biological Reference Interval
<b>COMPLETE BLOOD COUNT (CBC)</b>			
Haemoglobin (Hb%) (sodium Lauryl Sulphate (SLS) Method)	12.5	g/dL	12.0-15.0
Red Blood Cell Count (Electrical Impedance)	4.41	millions/ $\mu$ L	3.8-4.8
PCV (Packed Cell Volume) / Hematocrit (Calculated)	39.5	%	36.0-46.0
MCV (Mean Corpuscular Volume) (Derived)	89.4	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	28.2	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	31.6	%	31.5-34.5
Red Cell Distribution Width (RDW)	<b>14.8 H</b>	%	11.6-14.0
Platelet Count (Electrical Impedance)	191	Thous/Cumm	150.0-400.0
Mean Platelet Volume (MPV)	<b>12.4 H</b>	fL	7.0-11.7
Total Leucocyte Count(WBC) (Electrical Impedance)	7.0	-	4.0-10.0
<b>DIFFERENTIAL COUNT (DC)</b>			
Neutrophils	62.2	%	40.0-75.0
Lymphocytes (Fluorescent Flow Cytometry)	27.4	%	20.0-40.0
Monocytes (Fluorescent Flow Cytometry)	8.8	%	2.0-10.0
Eosinophils (Fluorescent Flow Cytometry)	1.3	%	1.0-6.0

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Parameter	Value	Unit	Reference Range
Basophils (Fluorescent Flow Cytometry)	0.3	%	0.0-2.0
NRBC	0.0	-	-
Absolute Neutrophil Count	4.3	-	-
Absolute Lymphocyte Count	1.9	-	-
Absolute Monocyte Count	0.6	-	-
Absolute Eosinophil Count	0.1	-	-
Absolute Basophil Count	0.03	-	-

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

--End of Report--

Smita Priyam

Dr. Smita Priyam  
 MBBS, MD, Pathology  
 REGISTRAR

**Note**

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



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 Barcode : J32303110020 Specimen : Serum Consultant : Dr. Sudip Banerjee(EMERGENCY MEDICINE)  
 Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 89842067112

**IMMONOLOGY**

Test	Result	Unit	Biological Reference Interval
<b>THYROID PROFILE (T3, T4, TSH)</b>			
Tri Iodo Thyronine (T3) (Enhanced Chemiluminescence Immunoassay (CLIA))	1.30	ng/mL	0.97-1.69
Thyroxine (T4) (Enhanced Chemiluminescence Immunoassay (CLIA))	7.97	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminescence Immunoassay (CLIA))	1.819	µIU/mL	Pregnancy: 1st Trimester: 0.1298-3.120 2nd Trimester: 0.2749-2.652 3rd Trimester: 0.3127-2.947

--End of Report--

*Ritu Priya*

Dr. Ritu Priya  
 MBBS, MD, Biochemistry  
 Consultant

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 Collected On : 11/03/2023 12:26 PM Received On : 11/03/2023 12:31 PM Reported On : 11/03/2023 03:53 PM  
 Barcode : J12303110163 Specimen : Serum Consultant : Dr. Sudip Banerjee(EMERGENCY MEDICINE)  
 Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 89842067112

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>SERUM CREATININE</b>			
Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.67	mg/dL	0.52-1.04
eGFR (Calculated By MDRD Formula)	104.9	mL/min/1.73m <sup>2</sup>	Indicative for renal impairment: <60 Note: eGFR is inaccurate for Hemodynamically unstable patients . eGFR is not applicable for less than 18 years of age .
<b>Blood Urea Nitrogen (BUN)</b> (Endpoint /Colorimetric - Urease)	7.94	mg/dL	7.0-17.0
<b>Serum Sodium</b> (Direct ISE - Potentiometric)	138	mmol/L	137.0-145.0
<b>Serum Potassium</b> (Direct ISE - Potentiometric)	4.2	mmol/L	3.5-5.1
<b>LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)</b>			
Cholesterol Total (Colorimetric - Cholesterol Oxidase)	195	mg/dL	Both: Desirable: < 200 Both: Borderline High: 200-239 Both: High: > 240
Triglycerides	163	mg/dL	Both: Normal: < 150 Both: Borderline: 150-199 Both: High: 200-499 Both: Very High: > 500
HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	51	mg/dL	40.0-60.0
Non-HDL Cholesterol	144	-	-
LDL Cholesterol (Colorimetric)	<b>111 H</b>	mg/dL	Both: Optimal: < 100 Both: Near to above optimal: 100-129 Both: Borderline High: 130-159 Both: High: 160-189 Both: Very High: > 190

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Collected On : 11/03/2023 12:26 PM Received On : 11/03/2023 12:31 PM Reported On : 11/03/2023 03:53 PM

Barcode : J12303110165 Specimen : Whole Blood Consultant : Dr. Sudip Banerjee(EMERGENCY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 89842067112

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>HbA1C</b>			
HbA1c (HPLC)	5.2	%	Both: Normal: 4.0-5.6 Both: Prediabetes: 5.7-6.4 Both: Diabetes: => 6.5 ADA standards 2019 (Carpenter/ Coustan)
Estimated Average Glucose	102.54	-	-

**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--**

*Ritu Priya*

Dr. Ritu Priya  
MBBS, MD, Biochemistry  
Consultant

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Patient Name : Ms Susmita Sen Roy MRN : 17650000232967 Gender/Age : FEMALE , 28y (26/12/1994)

Collected On : 11/03/2023 12:26 PM Received On : 11/03/2023 12:31 PM Reported On : 11/03/2023 01:47 PM

Barcode : J22303110126 Specimen : Whole Blood - ESR Consultant : Dr. Sudip Banerjee(EMERGENCY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 89842067112

**HAEMATOLOGY**

Test	Result	Unit	Biological Reference Interval
<b>Erythrocyte Sedimentation Rate (ESR)</b> (Modified Westergren Method)	<b>58 H</b>	<b>mm/1hr</b>	<b>0.0-12.0</b>

--End of Report--

*Smita Priyam*

Dr. Smita Priyam  
MBBS, MD, Pathology  
REGISTRAR

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<b>Patient Name</b>	Susmita Sen Roy	<b>Requested By</b>	Dr. Sudip Banerjee
<b>MRN</b>	17650000232967	<b>Procedure DateTime</b>	2023-03-11 14:13:55
<b>Age/Sex</b>	28Y 2M / Female	<b>Hospital</b>	NH-NMH & NSH

**X-RAY CHEST PA VIEW**

Bilateral lung fields appear normal.

Bilateral costophrenic angles are unremarkable.

Bilateral hila and vascular markings are unremarkable.

Domes of diaphragm are normal in morphology and contour.

Cardiac size is within normal limits.

Bony thoracic cage appears normal.

Not for medico legal purpose. This is only a Radiological Impression and not Diagnosis. Like all diagnostic modalities, X-ray Scan also has its limitations. Therefore, X-ray Scan report should be interpreted in correlation with clinical and pathological findings. In case of any discrepancy in report due to machine or typing error kindly get it rectified immediately. All typing and topographical error is regretted and if detected at any time is correctable. Please inform us immediately. Undisplaced fractures may be overlooked on Plain x-ray examination, further evaluation with CT or other relevant investigation may be recommended if there is clinical suspicion.



**Dr Manish Kumar Jha**  
MD Radio Diagnosis  
Consultant Radiologist

This is a digitally signed valid document. Reported Date/Time: 2023-03-22 15:02:05



<b>Patient Name</b>	Susmita Sen Roy	<b>Requested By</b>	Dr. Sudip Banerjee
<b>MRN</b>	17650000232967	<b>Procedure DateTime</b>	2023-03-11 16:00:18
<b>Age/Sex</b>	28Y 2M / Female	<b>Hospital</b>	NH-NMH & NSH

**USG OF WHOLE ABDOMEN**

**USG OBSERVATIONS:**

**LIVER:** Normal in size( 13.2 cm ) , shape and outline. **Parenchymal echogenicity is diffusely increased** No focal cystic or solid mass lesion. No intrahepatic biliary dilatation. Intrahepatic portion of IVC is normal. Porta hepatis is normal.

**GALL BLADDER:** Wall thickness is normal. Luminal echoes are normal, No calculi. No pericholecystic fluid seen.

**C.B.D:** Not dilated.

**PORTAL VEIN:** Portal vein is normal.

**PANCREAS:** Parenchymal echotexture normal. MPD appears normal. No focal lesion.

**SPLEEN:** Normal in size ( 10.4 cm ) and echotexture. No focal or diffuse lesion seen.

**KIDNEYS:**

Right kidney measures 10.4 x 4.6 cm.

Left kidney measures 10.1 x 4.6 cm.

Both kidneys are normal in size, shape and outline. **Parenchymal echotexture normal.** Corticomedullary differentiation is well made out and is normal. Sinus echoes are normal. No hydronephrosis seen in both kidneys.

**URINARY BLADDER:** Wall thickness normal. Luminal echoes normal. No calculi.

**UTERUS:** Measures: 4.5 x 7.4 x 3.5 cm. Anteverted, normal in shape & size. Endometrial & myometrial echoes are normal. Endometrium thickness measures 5.4 mm. Cervix appears normal.

**BOTH OVARIES:**

Right ovary: 2.4 x 1.6 cm.

Left ovary: 2.6 x 1.8 cm.

Both ovaries are normal in size, shape and echo pattern and show normal follicular pattern.

POD is clear.

No Ascites/ pleural effusion is seen at present.

**IMPRESSION:**

**Present study suggests:**

- **Grade - I fatty liver.**



Dr Surg Lt Cdr Subhankar Datta  
MBBS, CBET-USG  
REG NO-82415(WBMC)  
CONSULTANT SONOLOGIST

This is a digitally signed valid document. Reported Date/Time: 2023-03-11 16:31:11

Patient details:  
 Name: MS. SUSMITA SEN ROY  
 Age: 28 YEARS  
 Examination Date: 11.03.2023  
 Consultant Name: DR. S. BANERJEE

MRN: 17650000232967  
 Gender: FEMALE  
 Processed Date: 11.03.2023  
 Patient Location: OPD

**ECHOCARDIOGRAPHY REPORT**

**MEASUREMENT:**

AO: 25 (20-40) mm	LVID(d): 45 (36-52) mm	IVS(d): 09 (6-11) mm
LA: 36 (19-40) mm	LVID(s): 27 (23-39) mm	PWd: 09 (6-11) mm
RVOT: 25 mm		LVEF ~ 65 %

**VALVES:**

Mitral Valve : Normal  
 Aortic Valve : Normal  
 Tricuspid Valve : Normal  
 Pulmonary Valve : Normal

**CHAMBERS (Dimension)**

Left Atrium : Normal  
 Right Atrium : Normal  
 Left Ventricle : Normal  
 Right Ventricle : Normal

**SEPTAL**

IVS : Intact  
 IAS : Intact

**GREAT ARTERIES:**

Aorta : Normal



**DOPPLER DATA:**

	Velocity(in m/s)	Peak PG(mmHg)	Mean PG(mmHg)	Regurgitation
Mitral	E - 0.8 , A - 0.5			0/4
Aortic	1.4	7.8		0/4
Tricuspid	2.2	20		Trivial
Pulmonary	1.1	5.1		0/4

**LVOT** : No significant gradient noted.

**Vegetation/Thrombus** : Nil

**Pericardium** : Normal

**Other Findings** : E/E':08

**Final Diagnosis:**

Normal size cardiac chambers.  
 No significant regional wall motion abnormality of LV at rest.  
 Normal LV systolic function. LV EF~ 65%  
 Adequate LV diastolic compliance.

Clinical correlation please.

NOTE: Echo of Patient: MS.SUSMITA SEN ROY

MRN: 17650000232967

has been done on 11.03.2023 and reported on 11.03.2023



**Dr. Masud Syed mehedi**  
 Associate consultant

**TECHNICIAN**  
**MUSTARI**

TB: K. DEB

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