

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mrs TANAYA SINGHA MRN : 17600000046850 Gender/Age : FEMALE , 33y (03/09/1989)

Collected On : 25/03/2023 10:47 AM Received On : 25/03/2023 10:51 AM Reported On : 25/03/2023 01:34 PM

Barcode : F12303250111 Specimen : Serum Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-005 Patient Mobile No : 9563118188

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
SERUM CREATININE			
Serum Creatinine (Enzymatic Method)	0.7	mg/dL	0.52-1.04
eGFR	96.4	mL/min/1.73m ²	-
Serum Sodium (ISE Direct)	142	mmol/L	137.0-145.0
Serum Potassium (ISE Direct)	4.5	mmol/L	3.5-5.1
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Cholesterol Oxidase Esterase Peroxidase)	258 H	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Enzymatic End Point)	162	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Direct Measure, PTA /MgCl ₂)	55	mg/dL	Low: <40.0 mg/dL High: >60.0 mg/dL
Non-HDL Cholesterol	203.0	-	-
LDL Cholesterol (End Point)	150.18 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	mg/dL	0.0-40.0
Cholesterol /HDL Ratio (Calculated)	4.7	-	-
LIVER FUNCTION TEST(LFT)			
Bilirubin Total (Dyphylline, Diazonium Salt)	1.6 H	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Direct Measure)	0.5 H	mg/dL	0.0-0.3

Narayana Multispeciality Hospital

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

Email: info.brs.kolkata@narayanahealth.org | www.narayanahealth.org

Appointments

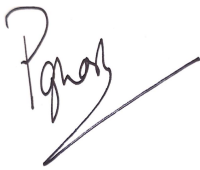
1800-309-0309 (Toll Free)

Emergencies

9836-75-0808

Patient Name : Mrs TANAYA SINGHA MRN : 17600000046850 Gender/Age : FEMALE , 33y (03/09/1989)			
Unconjugated Bilirubin (Indirect) (Direct Measure)	1.1	mg/dL	0.3-1.3
Total Protein (Biuret, No Serum Blank, End Point)	8.6 H	g/dL	6.3-8.2
Serum Albumin (Bromcresol Green (BCG))	4.7	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.9 H	g/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.21	-	1.0-2.1
SGOT (AST) (Multiple-point Rate)	37 H	U/L	14.0-36.0
SGPT (ALT) (Uv With P5p)	41 H	U/L	<35.0
Alkaline Phosphatase (ALP) (PMPP, AMP Buffer)	94	IU/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (G-glutamyl-p-nitroanilide)	42	U/L	12.0-43.0
THYROID PROFILE (T3, T4, TSH)			
Tri Iodo Thyronine (T3) (CLIA)	1.33	ng/mL	0.97-1.69
Thyroxine (T4) (CLIA)	8.45	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (CLIA)	5.426 H	µIU/mL	0.4-4.049

--End of Report--



Dr. Prithwijit Ghosh
MBBS, MD, Pathology
Consultant Pathologist

Patient Name : Mrs TANAYA SINGHA MRN : 17600000046850 Gender/Age : FEMALE , 33y (03/09/1989)

Note

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- Kindly correlate clinically.



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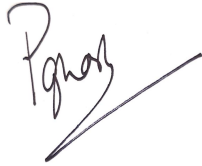
Barcode : F12303250111 Specimen : Serum Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-005 Patient Mobile No : 9563118188

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Blood Urea Nitrogen (BUN) (Urease, UV)	7	mg/dL	7.0-17.0

--End of Report--



Dr. Prithwijiit Ghosh
MBBS, MD, Pathology
Consultant Pathologist

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DEPARTMENT OF LABORATORY MEDICINE

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Collected On : 25/03/2023 10:47 AM Received On : 25/03/2023 10:51 AM Reported On : 25/03/2023 12:18 PM

Barcode : F22303250086 Specimen : Whole Blood - ESR Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-005 Patient Mobile No : 9563118188

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Westergren Method)	45 H	mm/1hr	0.0-20.0

--End of Report--

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MC-5371

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Collected On : 25/03/2023 10:47 AM Received On : 25/03/2023 10:51 AM Reported On : 25/03/2023 01:40 PM

Barcode : F22303250085 Specimen : Whole Blood Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-005 Patient Mobile No : 9563118188

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
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BLOOD GROUP & RH TYPING

Blood Group (Slide Technique And Tube Technique)	"B"	-	-
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RH Typing (Slide Technique And Tube Technique)	Positive	-	-
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COMPLETE BLOOD COUNT (CBC)

Haemoglobin (Hb%) (Cyanide-free Hemoglobin Method)	11.9 L	g/dL	12.0-15.0
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Red Blood Cell Count (Impedance Variation)	4.72	millions/ μ L	3.8-4.8
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PCV (Packed Cell Volume) / Hematocrit (Impedance)	38.1	%	36.0-46.0
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MCV (Mean Corpuscular Volume) (Calculated)	81 L	fL	83.0-101.0
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MCH (Mean Corpuscular Haemoglobin) (Calculated)	25.2 L	pg	27.0-32.0
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MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	31.2 L	g/dL	31.5-34.5
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Red Cell Distribution Width (RDW) (Impedance)	16.3 H	%	11.6-14.0
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Platelet Count (Impedance Variation/Microscopy)	180	Thousand / μ L	150.0-410.0
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Total Leucocyte Count(WBC) (Impedance Variation)	4.8	$\times 10^3$ cells/ μ l	4.0-10.0
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DIFFERENTIAL COUNT (DC)

Neutrophils (Impedance Variation And Absorbency /Microscopy)	45.6	%	40.0-80.0
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Lymphocytes (Impedance Variation And Absorbency /Microscopy)	48.9 H	%	20.0-40.0
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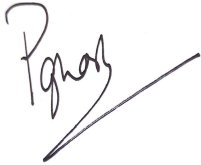
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Patient Name : Mrs TANAYA SINGHA MRN : 17600000046850 Gender/Age : FEMALE , 33y (03/09/1989)			
Monocytes (Impedance Variation And Absorbency /Microscopy)	2.7	%	2.0-10.0
Eosinophils (Impedance Variation And Absorbency /Microscopy)	2.8	%	1.0-6.0
Basophils (Impedance Variation And Absorbency /Microscopy)	0.0 L	%	1.0-2.0
Absolute Neutrophil Count	2.19	-	-
Absolute Lymphocyte Count	2.35	-	-
Absolute Monocyte Count	0.13	-	-
Absolute Eosinophil Count	0.13	-	-

--End of Report--



Dr. Prithwijiit Ghosh
 MBBS, MD, Pathology
 Consultant Pathologist

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Barcode : F12303250113 Specimen : Whole Blood Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-005 Patient Mobile No : 9563118188

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
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--

Dr. Samarпита Mukherjee
MBBS, MD Biochemistry
CONSULTANT

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DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mrs TANAYA SINGHA MRN : 17600000046850 Gender/Age : FEMALE , 33y (03/09/1989)

Collected On : 25/03/2023 10:47 AM Received On : 25/03/2023 10:51 AM Reported On : 25/03/2023 01:34 PM

Barcode : F12303250112 Specimen : Plasma Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-005 Patient Mobile No : 9563118188

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (Glucose Oxidase, Hydrogen Peroxidase)	98	mg/dL	Normal: 70-109 Pre-diabetes: 110-125 Diabetes: => 126

--End of Report--

Dr. Prithwijiit Ghosh
MBBS, MD, Pathology
Consultant Pathologist

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ADULT TRANS-THORACIC ECHO REPORT

PATIENT NAME : Mrs TANAYA SINGHA
GENDER/AGE : Female, 33 Years
LOCATION : -

PATIENT MRN : 1760000046850
PROCEDURE DATE : 25/03/2023 01:52 PM
REQUESTED BY : Dr. Swarup Paul



IMPRESSION

- NORMAL SIZED LEFT VENTRICULAR CAVITY
- NO RWMA
- GOOD LEFT VENTRICULAR SYSTOLIC FUNCTION WITH LVEF 69 %
- NORMAL DIASTOLIC INFLOW PATTERN
- 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 69 %. NORMAL DIASTOLIC INFLOW PATTERN.
RIGHT VENTRICLE : NORMAL IN SIZE. GOOD RV SYSTOLIC FUNCTION, TAPSE 27 MM

VALVES

MITRAL : MORPHOLOGICALLY NORMAL
AORTIC : MORPHOLOGICALLY NORMAL, AV VMAX 123 CM/SEC, PEAK PG - 6 MMHG
TRICUSPID : MORPHOLOGICALLY NORMAL
PULMONARY : MORPHOLOGICALLY NORMAL

SEPTAE

IAS : INTACT
IVS : INTACT

ARTERIES AND VEINS

AORTA : NORMAL
PA : NORMAL , NO PULMONARY HYPERTENSION
IVC : IVC 10 MM WITH NORMAL RESPIRATORY VARIATION

PERICARDIUM : NORMAL

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

MRS TANAYA SINGHA (17600000046850)



DR. SANYAL SOUGATA
ASSOCIATE CONSULTANT

25/03/2023 01:52 PM

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

PREPARED ON : 25/03/2023 01:54 PM
GENERATED ON : 26/04/2023 04:13 PM

Patient Name	TANAYA SINGHA	Requested By	Dr. Swarup Paul
MRN	17600000046850	Procedure DateTime	2023-03-25 13:04:14
Age/Sex	33Y 6M/Female	Hospital	NH-BARASAT

ULTRASONOGRAPHY OF WHOLE ABDOMEN

LIVER : Liver is mildly enlarged in size (14.8 cm) but has normal shape and outline. There is mild diffuse homogenous increase of hepatic parenchymal echogenicity.. No focal SOL seen. IHBRs are not dilated.

CBD : It is not dilated, measuring – 3.0 mm at porta, visualized proximal lumen is clear. Distal CBD is obscured by bowel gas shadow.

PV : It appears normal, measuring – 8.5 mm at porta.

GALL BLADDER : It is optimally distended. No evidence of intraluminal calculus or sludge is seen. Gall bladder wall is normal in thickness.

No pericholecystic collection or frank mass formation is seen.

SPLEEN : It is normal in size (10.6 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 – 10.1 cm. Left kidney – 10.8 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.

UTERUS : It is normal in size (7.9 cm x 3.8 cm x 5.3 cm, volume = 83.6 cc), anteverted. Myometrial echopattern is within normal limits. No focal SOL is seen. Endometrial echoes are central (7.5 mm) and shows normal echogenicity. Endomyometrial junction appears normal. The cervix appears normal. Internal os is closed at present.

OVARIES : Both ovaries are normal in shape, size, position & echotexture .

Measures : Right Ovary – 3.3 cm x 1.4 cm ,Left Ovary – 3.2 cm x 2.2 cm.

No adnexal lesion is seen.

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 mild fatty liver.**

Advise : Clinical correlation & further relevant investigation suggested.

Goutam Das

Dr. Goutam Das
MD (Radiodiagnosis)

DEPARTMENT OF LABORATORY MEDICINE

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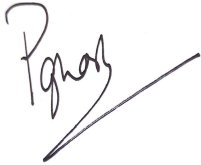
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Barcode : F22303250085 Specimen : Whole Blood Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)
Sample adequacy : Satisfactory Visit No : OP-005 Patient Mobile No : 9563118188

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Blood Group (Slide Technique And Tube Technique)	"B"	-	-
RH Typing (Slide Technique And Tube Technique)	Positive	-	-
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Cyanide-free Hemoglobin Method)	11.9 L	g/dL	12.0-15.0
Red Blood Cell Count (Impedance Variation)	4.72	millions/ μ L	3.8-4.8
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MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	31.2 L	g/dL	31.5-34.5
Red Cell Distribution Width (RDW) (Impedance)	16.3 H	%	11.6-14.0
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Total Leucocyte Count(WBC) (Impedance Variation)	4.8	$\times 10^3$ cells/ μ l	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (Impedance Variation And Absorbency /Microscopy)	45.6	%	40.0-80.0
Lymphocytes (Impedance Variation And Absorbency /Microscopy)	48.9 H	%	20.0-40.0

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Monocytes (Impedance Variation And Absorbency /Microscopy)	2.7	%	2.0-10.0
Eosinophils (Impedance Variation And Absorbency /Microscopy)	2.8	%	1.0-6.0
Basophils (Impedance Variation And Absorbency /Microscopy)	0.0 L	%	1.0-2.0
Absolute Neutrophil Count	2.19	-	-
Absolute Lymphocyte Count	2.35	-	-
Absolute Monocyte Count	0.13	-	-
Absolute Eosinophil Count	0.13	-	-

--End of Report--



Dr. Prithwijiit Ghosh
 MBBS, MD, Pathology
 Consultant Pathologist

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1333

Patient Name	TANAYA SINGHA	Requested By	Dr. Swarup Paul
MRN	17600000046850	Procedure DateTime	2023-03-25 11:22:49
Age/Sex	33Y 6M/Female	Hospital	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)

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eGFR	96.4	mL/min/1.73m ²	-
Serum Sodium (ISE Direct)	142	mmol/L	137.0-145.0
Serum Potassium (ISE Direct)	4.5	mmol/L	3.5-5.1
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Cholesterol Oxidase Esterase Peroxidase)	258 H	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Enzymatic End Point)	162	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Direct Measure, PTA /MgCl ₂)	55	mg/dL	Low: <40.0 mg/dL High: >60.0 mg/dL
Non-HDL Cholesterol	203.0	-	-
LDL Cholesterol (End Point)	150.18 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	mg/dL	0.0-40.0
Cholesterol /HDL Ratio (Calculated)	4.7	-	-
LIVER FUNCTION TEST(LFT)			
Bilirubin Total (Dyphylline, Diazonium Salt)	1.6 H	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Direct Measure)	0.5 H	mg/dL	0.0-0.3

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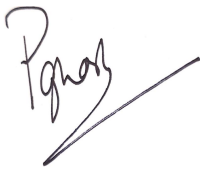
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Patient Name : Mrs TANAYA SINGHA MRN : 17600000046850 Gender/Age : FEMALE , 33y (03/09/1989)			
Unconjugated Bilirubin (Indirect) (Direct Measure)	1.1	mg/dL	0.3-1.3
Total Protein (Biuret, No Serum Blank, End Point)	8.6 H	g/dL	6.3-8.2
Serum Albumin (Bromcresol Green (BCG))	4.7	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.9 H	g/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.21	-	1.0-2.1
SGOT (AST) (Multiple-point Rate)	37 H	U/L	14.0-36.0
SGPT (ALT) (Uv With P5p)	41 H	U/L	<35.0
Alkaline Phosphatase (ALP) (PMPP, AMP Buffer)	94	IU/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (G-glutamyl-p-nitroanilide)	42	U/L	12.0-43.0
THYROID PROFILE (T3, T4, TSH)			
Tri Iodo Thyronine (T3) (CLIA)	1.33	ng/mL	0.97-1.69
Thyroxine (T4) (CLIA)	8.45	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (CLIA)	5.426 H	µIU/mL	0.4-4.049

--End of Report--



Dr. Prithwijiit Ghosh
MBBS, MD, Pathology
Consultant Pathologist

Patient Name : Mrs TANAYA SINGHA MRN : 17600000046850 Gender/Age : FEMALE , 33y (03/09/1989)

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

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

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Appointments

1800-309-0309 (Toll Free)

Emergencies

9836-75-0808

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mrs TANAYA SINGHA MRN : 17600000046850 Gender/Age : FEMALE , 33y (03/09/1989)

Collected On : 25/03/2023 10:47 AM Received On : 25/03/2023 10:51 AM Reported On : 25/03/2023 01:34 PM

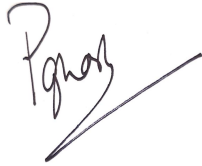
Barcode : F12303250111 Specimen : Serum Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-005 Patient Mobile No : 9563118188

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Blood Urea Nitrogen (BUN) (Urease, UV)	7	mg/dL	7.0-17.0

--End of Report--



Dr. Prithwijiit Ghosh
MBBS, MD, Pathology
Consultant Pathologist

Note

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- Kindly correlate clinically.



DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mrs TANAYA SINGHA MRN : 17600000046850 Gender/Age : FEMALE , 33y (03/09/1989)

Collected On : 25/03/2023 01:24 PM Received On : 25/03/2023 01:26 PM Reported On : 25/03/2023 03:08 PM

Barcode : F12303250136 Specimen : Plasma Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-005 Patient Mobile No : 9563118188

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Post Prandial Blood Sugar (PPBS) (Glucose Oxidase, Hydrogen Peroxidase)	92	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

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- Kindly correlate clinically.



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