

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Miss SENJUTI BAIN MRN : 17600000102997 Gender/Age : FEMALE , 29y (07/03/1994)

Collected On : 13/05/2023 09:21 AM Received On : 13/05/2023 09:23 AM Reported On : 13/05/2023 11:54 AM

Barcode : F12305130079 Specimen : Serum Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-003 Patient Mobile No : 8343975401

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
SERUM CREATININE			
Serum Creatinine (Enzymatic Method)	0.6	mg/dL	0.52-1.04
eGFR	118.2	mL/min/1.73m ²	-
Serum Sodium (ISE Direct)	142	mmol/L	137.0-145.0
Serum Potassium (ISE Direct)	4.2	mmol/L	3.5-5.1
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Cholesterol Oxidase Esterase Peroxidase)	117	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Enzymatic End Point)	107	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Direct Measure, PTA /MgCl ₂)	43	mg/dL	Low: <40.0 mg/dL High: >60.0 mg/dL
Non-HDL Cholesterol	74.0	-	-
LDL Cholesterol (End Point)	35.98	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	21.4	mg/dL	0.0-40.0
Cholesterol /HDL Ratio (Calculated)	2.8	-	-
LIVER FUNCTION TEST(LFT)			
Bilirubin Total (Dyphylline, Diazonium Salt)	0.5	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Direct Measure)	0.2	mg/dL	0.0-0.3

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

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

Appointments

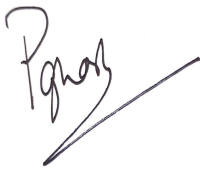
1800-309-0309 (Toll Free)

Emergencies

9836-75-0808

Patient Name : Miss SENJUTI BAIN MRN : 17600000102997 Gender/Age : FEMALE , 29y (07/03/1994)			
Unconjugated Bilirubin (Indirect) (Direct Measure)	0.4	mg/dL	0.3-1.3
Total Protein (Biuret, No Serum Blank, End Point)	8.2	g/dL	6.3-8.2
Serum Albumin (Bromcresol Green (BCG))	4.6	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.6 H	g/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.28	-	1.0-2.1
SGOT (AST) (Multiple-point Rate)	22	U/L	14.0-36.0
SGPT (ALT) (Uv With P5p)	15	U/L	<35.0
Alkaline Phosphatase (ALP) (PMPP, AMP Buffer)	74	IU/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (G-glutamyl-p-nitroanilide)	11 L	U/L	12.0-43.0
THYROID PROFILE (T3, T4, TSH)			
Tri Iodo Thyronine (T3) (CLIA)	1.26	ng/mL	0.97-1.69
Thyroxine (T4) (CLIA)	9.48	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (CLIA)	2.767	µIU/mL	0.4-4.049

--End of Report--



Dr. Prithwijit Ghosh
MBBS, MD, Pathology
Consultant Pathologist

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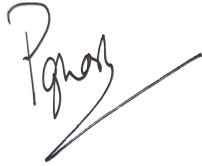
Barcode : F12305130079 Specimen : Serum Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-003 Patient Mobile No : 8343975401

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Blood Urea Nitrogen (BUN) (Urease, UV)	9.66	mg/dL	7.0-17.0

--End of Report--



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MBBS, MD, Pathology
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Barcode : F12305130080 Specimen : Plasma Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-003 Patient Mobile No : 8343975401

BIOCHEMISTRY

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

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SERUM CREATININE			
Serum Creatinine (Enzymatic Method)	0.6	mg/dL	0.52-1.04
eGFR	118.2	mL/min/1.73m ²	-
Serum Sodium (ISE Direct)	142	mmol/L	137.0-145.0
Serum Potassium (ISE Direct)	4.2	mmol/L	3.5-5.1
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Cholesterol Oxidase Esterase Peroxidase)	117	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Enzymatic End Point)	107	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Direct Measure, PTA /MgCl ₂)	43	mg/dL	Low: <40.0 mg/dL High: >60.0 mg/dL
Non-HDL Cholesterol	74.0	-	-
LDL Cholesterol (End Point)	35.98	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	21.4	mg/dL	0.0-40.0
Cholesterol /HDL Ratio (Calculated)	2.8	-	-
LIVER FUNCTION TEST(LFT)			
Bilirubin Total (Dyphylline, Diazonium Salt)	0.5	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Direct Measure)	0.2	mg/dL	0.0-0.3

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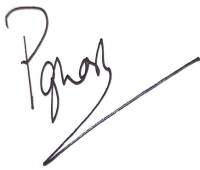
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SGOT (AST) (Multiple-point Rate)	22	U/L	14.0-36.0
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Gamma Glutamyl Transferase (GGT) (G-glutamyl-p-nitroanilide)	11 L	U/L	12.0-43.0
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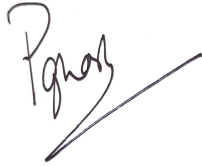
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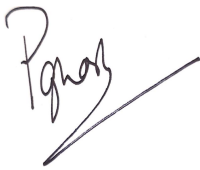
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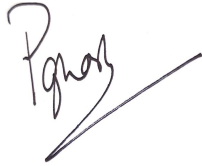
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BIOCHEMISTRY

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 Barcode : F32305130008 Specimen : Urine Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)
 Sample adequacy : Satisfactory Visit No : OP-003 Patient Mobile No : 8343975401

CLINICAL PATHOLOGY

Test	Result	Unit	Biological Reference Interval
URINE ROUTINE & MICROSCOPY			
PHYSICAL EXAMINATION			
Volume (Visible)	30	ml	-
Colour (Visible)	Pale Yellow	-	-
Appearance (Visible)	Clear	-	-
CHEMICAL EXAMINATION			
pH(Reaction) (Dual Wavelength Reflectance)	6.0	-	5.0-8.0
Sp. Gravity (Dual Wavelength Reflectance)	1.015	-	1.002-1.030
Protein (Dual Wavelength Reflectance/Acetic Acid Tes (Heat Test))	Absent	-	-
Urine Glucose (Dual Wavelength Reflectance /Benedict's Test)	Absent	-	-
Ketone Bodies (Dual Wavelength Reflectance /Manual)	Absent	-	Negative
Bile Salts (Dual Wavelength Reflectance/Hay's Test)	Absent	-	Negative
Bile Pigment (Bilirubin) (Dual Wavelength Reflectance/Fouchet's Test)	Absent	-	Negative
Urobilinogen (Dual Wavelength Reflectance /Ehrlich's Method)	Normal	-	-
Urine Leucocyte Esterase (Dual Wavelength Reflectance)	Absent	-	Negative
Blood Urine (Dual Wavelength Reflectance)	Present++	-	-

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Nitrite (Dual Wavelength Reflectance) Absent - -

MICROSCOPIC EXAMINATION

Pus Cells (Microscopy) 2-3/hpf - 1 - 2

RBC (Microscopy) 8-10/hpf - 1-2/hpf

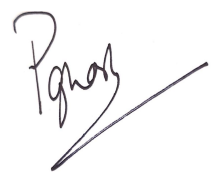
Epithelial Cells (Microscopy) 2-4/hpf - -

Crystals (Microscopy) Not Seen - -

Casts (Microscopy) Not Seen - -

Others (Microscopy) Nil - -

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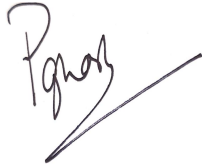
Barcode : F32305130008 Specimen : Urine Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-003 Patient Mobile No : 8343975401

CLINICAL PATHOLOGY

Test	Result	Unit
Urine For Sugar	ABSENT	-

--End of Report--



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Collected On : 13/05/2023 09:21 AM Received On : 13/05/2023 06:10 PM Reported On : 13/05/2023 07:14 PM

Barcode : F12305130081 Specimen : Whole Blood Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-003 Patient Mobile No : 8343975401

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c (HPLC)	4.9	%	Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2019 (Carpenter/ Coustan)
Estimated Average Glucose	93.93	-	-

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. Debasree Biswas
MD, Biochemistry
Clinical Biochemist MBBS, MD

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Barcode : F22305130078 Specimen : Whole Blood - ESR Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-003 Patient Mobile No : 8343975401

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Westergren Method)	30 H	mm/1hr	0.0-20.0

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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

ADULT TRANS-THORACIC ECHO REPORT

PATIENT NAME : Miss SENJUTI BAIN
GENDER/AGE : Female, 29 Years
LOCATION : -

PATIENT MRN : 17600000102997
PROCEDURE DATE : 13/05/2023 01:04 PM
REQUESTED BY : Dr. Swarup Paul



IMPRESSION

- NORMAL SIZED LEFT VENTRICULAR CAVITY
- NO RWMA
- GOOD LEFT VENTRICULAR SYSTOLIC FUNCTION WITH LVEF 65 %
- 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 65 %. NORMAL DIASTOLIC INFLOW PATTERN.
RIGHT VENTRICLE : NORMAL IN SIZE. GOOD RV SYSTOLIC FUNCTION, TAPSE 24 MM

VALVES

MITRAL : MORPHOLOGICALLY NORMAL
AORTIC : MORPHOLOGICALLY NORMAL, AV VMAX 136 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 16 MM WITH NORMAL RESPIRATORY VARIATION

PERICARDIUM : NORMAL

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

MISS SENJUTI BAIN (17600000102997)



DR. SANYAL SOUGATA
ASSOCIATE CONSULTANT

13/05/2023 01:04 PM

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

PREPARED ON : 13/05/2023 01:06 PM
GENERATED ON : 20/05/2023 10:54 AM

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Miss SENJUTI BAIN MRN : 17600000102997 Gender/Age : FEMALE , 29y (07/03/1994)

Collected On : 13/05/2023 09:21 AM Received On : 13/05/2023 09:23 AM Reported On : 13/05/2023 11:39 AM

Barcode : F22305130077 Specimen : Whole Blood Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-003 Patient Mobile No : 8343975401

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
BLOOD GROUP & RH TYPING			
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)	12.0	g/dL	12.0-15.0
Red Blood Cell Count (Impedance Variation)	4.48	millions/ μ L	3.8-4.8
PCV (Packed Cell Volume) / Hematocrit (Impedance)	37.8	%	36.0-46.0
MCV (Mean Corpuscular Volume) (Calculated)	84	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	26.8 L	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	31.8	g/dL	31.5-34.5
Red Cell Distribution Width (RDW) (Impedance)	16.2 H	%	11.6-14.0
Platelet Count (Impedance Variation/Microscopy)	186	Thousand / μ L	150.0-410.0
Total Leucocyte Count(WBC) (Impedance Variation)	7.3	$\times 10^3$ cells/ μ l	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (Impedance Variation And Absorbency /Microscopy)	68.2	%	40.0-80.0
Lymphocytes (Impedance Variation And Absorbency /Microscopy)	28.6	%	20.0-40.0

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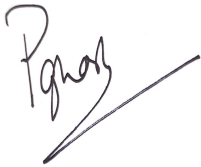
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Patient Name : Miss SENJUTI BAIN MRN : 17600000102997 Gender/Age : FEMALE , 29y (07/03/1994)			
Monocytes (Impedance Variation And Absorbency /Microscopy)	1.6 L	%	2.0-10.0
Eosinophils (Impedance Variation And Absorbency /Microscopy)	1.6	%	1.0-6.0
Basophils (Impedance Variation And Absorbency /Microscopy)	0.0 L	%	1.0-2.0
Absolute Neutrophil Count	4.98	-	2.0-7.0
Absolute Lymphocyte Count	2.09	-	1.0-3.0
Absolute Monocyte Count	0.12 L	-	0.2-1.0
Absolute Eosinophil Count	0.12	-	0.02-0.5

--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.



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Emergencies
9836-75-0808

985

Patient Name	SENJUTI BAIN	Requested By	Dr. Swarup Paul
MRN	17600000102997	Procedure DateTime	2023-05-13 09:38:53
Age/Sex	29Y 2M/Female	Hospital	NH-BARASAT

X-RAY - CHEST (PA)

Accentuated lung markings seen at both paracardiac regions.

Trachea is in situ.

CP angles are clear.

Cardiac shadow is normal.

Suggested clinical correlation and further investigations



Dr. Subrata Sanyal
(Department of Radiology)

Patient Name	SENJUTI BAIN	Requested By	Dr. Swarup Paul
MRN	17600000102997	Procedure DateTime	2023-05-13 11:59:45
Age/Sex	29Y 2M/Female	Hospital	NH-BARASAT

ULTRASONOGRAPHY OF WHOLE ABDOMEN

LIVER : It is normal in size (13.9 cm), shape and outline. It shows normal homogeneous echotexture. **An isolated linear calcific focus measuring 10.2 mm casting posterior acoustic shadow is noted in hepatic parenchyma of segment 7 right lobe of liver.** IHBRs are not dilated.

CBD : It is not dilated, measuring – 1.6 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 (9.6 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 – 10.3 cm. Left kidney – 10.5 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 (7.3 cm x 3.3 cm x 4.9 cm, volume = 62.0 cc), anteverted. Myometrial echopattern is within normal limits. No focal SOL is seen. Endometrial echoes are central (4.5 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 – 2.2 cm x 1.5 cm ,Left Ovary – 2.8 cm x 1.9 cm.

No adnexal lesion is seen.

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

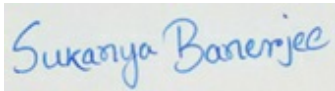
No ascites seen.

No pleural effusion seen.

IMPRESSION :

- **An isolated linear calcific focus in right lobe of liver.**

Advise : Clinical correlation & further relevant investigation suggested.



Dr. Sukanya Banerjee
MD (Radiodiagnosis)

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Miss SENJUTI BAIN MRN : 17600000102997 Gender/Age : FEMALE , 29y (07/03/1994)

Collected On : 13/05/2023 01:03 PM Received On : 13/05/2023 01:03 PM Reported On : 13/05/2023 05:04 PM

Barcode : F12305130146 Specimen : Plasma Consultant : Dr. Swarup Paul(CRITICAL CARE MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-003 Patient Mobile No : 8343975401

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Post Prandial Blood Sugar (PPBS) (Glucose Oxidase, Hydrogen Peroxidase)	81	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

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