

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr Aniruddha Bhowmik MRN : 17510001187447 Gender/Age : MALE , 29y (03/11/1993)

Collected On : 26/05/2023 09:43 AM Received On : 26/05/2023 10:06 AM Reported On : 26/05/2023 01:04 PM

Barcode : 802305260388 Specimen : Serum Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8293613535

CLINICAL CHEMISTRY

| Test | Result | Unit | Biological Reference Interval |
|--|---------------|-------|---|
| LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL) | | | |
| Cholesterol Total (Colorimetric - Cholesterol Oxidase) | 196 | mg/dL | Desirable: < 200 Borderline High: 200-239 High: > 240 |
| Triglycerides (Enzymatic Endpoint Colorimetric) | 420 H | mg/dL | Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500 |
| Lipemic | | | |
| HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method) | 36 L | mg/dL | 40.0-60.0 |
| Non-HDL Cholesterol | 160.0 | - | - |
| LDL Cholesterol (Non LDL Selective Elimination, CHOD/POD) | 81.31 | mg/dL | Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190 |
| Cholesterol /HDL Ratio | 5.5 | - | - |
| LIVER FUNCTION TEST(LFT) | | | |
| Bilirubin Total (Colorimetric -Diazo Method) | 1.82 H | mg/dL | 0.2-1.3 |
| Conjugated Bilirubin (Direct) (Calculated) | 0.32 | mg/dL | 0.0-0.4 |
| Unconjugated Bilirubin (Indirect) (Colorimetric Endpoint) | 1.5 | - | - |
| Total Protein (Biuret Method) | 9.40 H | g/dL | 6.3-8.2 |
| Serum Albumin (Colorimetric - Bromo-Cresol Green) | 5.50 H | gm/dL | 3.5-5.0 |
| Serum Globulin (Calculated) | 3.9 H | g/dL | 2.0-3.5 |

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| | | | |
|--|-------------|------|------------|
| Albumin To Globulin (A/G)Ratio (Calculated) | 1.41 | - | 1.0-2.1 |
| SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate)) | 48 | U/L | 17.0-59.0 |
| SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate)) | 59 H | U/L | <50.0 |
| Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer) | 85 | IU/L | 38.0-126.0 |
| Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide (Szasz Method)) | 47 | U/L | 15.0-73.0 |



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

CLINICAL CHEMISTRY

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|--|--------|---------------------------|-------------------------------|
| SERUM CREATININE | | | |
| Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase) | 1.08 | mg/dL | 0.66-1.25 |
| eGFR | 80.9 | mL/min/1.73m ² | - |
| Blood Urea Nitrogen (BUN) (Endpoint /Colorimetric - Urease) | 11.88 | - | 9.0-20.0 |
| Serum Sodium (Direct ISE - Potentiometric) | 144 | mmol/L | 137.0-145.0 |
| Serum Potassium (Direct ISE - Potentiometric) | 4.7 | mmol/L | 3.5-5.1 |

--End of Report--

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



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Collected On : 26/05/2023 09:43 AM Received On : 26/05/2023 10:06 AM Reported On : 26/05/2023 02:29 PM

Barcode : 802305260388 Specimen : Serum Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8293613535

CLINICAL CHEMISTRY

| Test | Result | Unit | Biological Reference Interval |
|---|---------------|--------|-------------------------------|
| THYROID PROFILE (T3, T4, TSH) | | | |
| Tri Iodo Thyronine (T3) (Enhanced Chemiluminescence Immunoassay (CLIA)) | 1.77 H | ng/mL | 0.97-1.69 |
| Thyroxine (T4) (Enhanced Chemiluminescence Immunoassay (CLIA)) | 12.2 H | µg/dl | 5.53-11.0 |
| TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminescence Immunoassay (CLIA)) | 0.5632 | uIU/ml | 0.4001-4.049 |

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Biochemist M.Sc , Ph. D

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Final Report

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Collected On : 26/05/2023 09:43 AM Received On : 26/05/2023 10:05 AM Reported On : 26/05/2023 11:01 AM

Barcode : 812305260250 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8293613535

HAEMATOLOGY LAB

| Test | Result | Unit | Biological Reference Interval |
|--|---------------|-------------------|-------------------------------|
| COMPLETE BLOOD COUNT (CBC) | | | |
| Haemoglobin (Hb%) (Photometric Measurement) | 13.8 | g/dL | 13.0-17.0 |
| Red Blood Cell Count (Electrical Impedance) | 4.52 | millions/ μ L | 4.5-5.5 |
| PCV (Packed Cell Volume) / Hematocrit (Calculated) | 40.5 | % | 40.0-54.0 |
| MCV (Mean Corpuscular Volume) (Derived From RBC Histogram) | 89.5 | fL | 83.0-101.0 |
| MCH (Mean Corpuscular Haemoglobin) (Calculated) | 30.5 | pg | 27.0-32.0 |
| MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated) | 34.1 | % | 31.5-34.5 |
| Red Cell Distribution Width (RDW) (Calculated) | 13.6 | % | 11.6-14.0 |
| Platelet Count (Electrical Impedance) | 140 L | $10^3/\mu$ L | 150.0-400.0 |
| Mean Platelet Volume (MPV) (Derived) | 12.2 H | fL | 7.0-11.7 |
| Total Leucocyte Count(WBC) (Electrical Impedance) | 8.7 | $10^3/\mu$ L | 4.0-10.0 |
| DIFFERENTIAL COUNT (DC) | | | |
| Neutrophils (VCSn Technology) | 46.9 | % | 40.0-75.0 |
| Lymphocytes (VCSn Technology) | 44.6 H | % | 20.0-40.0 |
| Monocytes (VCSn Technology) | 6.0 | % | 2.0-10.0 |
| Eosinophils (VCSn Technology) | 2.1 | % | 1.0-6.0 |

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| | | | |
|--|------|--------------------|----------|
| Basophils (VCSn Technology) | 0.4 | % | 0.0-2.0 |
| Absolute Neutrophil Count (Calculated) | 4.08 | $10^3/\mu\text{L}$ | 1.8-7.8 |
| Absolute Lymphocyte Count (Calculated) | 3.88 | $10^3/\mu\text{L}$ | 1.0-4.8 |
| Absolute Monocyte Count (Calculated) | 0.52 | $10^3/\mu\text{L}$ | 0.0-0.8 |
| Absolute Eosinophil Count (Calculated) | 0.18 | $10^3/\mu\text{L}$ | 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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Collected On : 26/05/2023 09:43 AM Received On : 26/05/2023 10:05 AM Reported On : 26/05/2023 12:05 PM

Barcode : 802305260391 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8293613535

CLINICAL CHEMISTRY

| Test | Result | Unit | Biological Reference Interval |
|---------------------------|--------|------|---|
| HBA1C | | | |
| HbA1c (HPLC) | 4.6 | % | Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2019 (Carpenter/ Coustan) |
| Estimated Average Glucose | 85.32 | - | - |

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

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Collected On : 26/05/2023 09:43 AM Received On : 26/05/2023 10:05 AM Reported On : 26/05/2023 11:33 AM

Barcode : 812305260249 Specimen : Whole Blood - ESR Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8293613535

HAEMATOLOGY LAB

| Test | Result | Unit | Biological Reference Interval |
|---|-------------|--------|-------------------------------|
| Erythrocyte Sedimentation Rate (ESR) (Modified Westergren Method) | 15 H | mm/1hr | 0.0-10.0 |

--End of Report--

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Consultant Pathology MBBS, MD. Reg No : 53635 (WBMC)

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DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr Aniruddha Bhowmik MRN : 17510001187447 Gender/Age : MALE , 29y (03/11/1993)

Collected On : 26/05/2023 09:43 AM Received On : 26/05/2023 10:33 AM Reported On : 26/05/2023 12:50 PM

Barcode : 802305260389 Specimen : Urine Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8293613535

CLINICAL CHEMISTRY

| Test | Result | Unit | Biological Reference Interval |
|-----------------|----------|------|-------------------------------|
| Urine For Sugar | NEGATIVE | mg | ATEST |

--End of Report--

Dr. Rakhi Mandal
MD, Pathology
Consultant Pathology MBBS, MD

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MC - 2803



DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr Aniruddha Bhowmik MRN : 17510001187447 Gender/Age : MALE , 29y (03/11/1993)

Collected On : 26/05/2023 09:43 AM Received On : 26/05/2023 11:46 AM Reported On : 26/05/2023 01:09 PM

Barcode : BR2305260028 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8293613535

IMMUNOHAEMATOLOGY

| Test | Result | Unit |
|---|----------|------|
| BLOOD GROUP & RH TYPING | | |
| Blood Group (Column Agglutination Technology) | B | - |
| 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 : Mr Aniruddha Bhowmik MRN : 17510001187447 Gender/Age : MALE , 29y (03/11/1993)

Collected On : 26/05/2023 09:43 AM Received On : 26/05/2023 10:28 AM Reported On : 26/05/2023 11:35 AM

Barcode : 822305260048 Specimen : Urine Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8293613535

CLINICAL PATHOLOGY

| Test | Result | Unit | Biological Reference Interval |
|------|--------|------|-------------------------------|
|------|--------|------|-------------------------------|

URINE ROUTINE & MICROSCOPY**PHYSICAL EXAMINATION**

| | | | |
|------------|-------|----|---|
| Volume | 45 | ml | - |
| Colour | Straw | - | - |
| Appearance | Clear | - | - |

CHEMICAL EXAMINATION

| | | | |
|---|----------|---|-------------|
| pH(Reaction) (Mixed PH Indicator) | 6.5 | - | 4.8-7.5 |
| Sp. Gravity (Dual Wavelength Reflectance) | 1.010 | - | 1.002-1.030 |
| Protein (Protein Error Of PH Indicator) | Negative | - | - |
| Urine Glucose (Glucose Oxidase, Peroxidase) | Negative | - | Negative |
| Ketone Bodies (Legal's Method) | Negative | - | Negative |
| Bile Salts (Dual Wavelength Reflectance/Manual) | Negative | - | Negative |
| Bile Pigment (Bilirubin) (Coupling Of Bilirubin With Diazonium Salt) | Negative | - | Negative |
| Urobilinogen (Coupling Reaction Of Urobilinogen With A Stable Diazonium Salt In Buffer) | Normal | - | Normal |
| Urine Leucocyte Esterase (Enzymatic, Indoxyl Ester And Diazonium Salt) | Negative | - | Negative |
| Blood Urine (Pseudo - Enzymatic Test, Organic Peroxidase And Chromogen) | Trace | - | - |
| Nitrite (Modified Griess Reaction) | Negative | - | Negative |

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MICROSCOPIC EXAMINATION

| | | | |
|------------------|------------|------|-------|
| Pus Cells | 0-2 | /hpf | 1-2 |
| RBC | 0-2 | /hpf | 0 - 3 |
| Epithelial Cells | Occasional | /hpf | 2-3 |
| Crystals | NIL | - | - |
| Casts | NIL | - | - |

--End of Report--



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MD, Pathology
Consultant Pathology MBBS, MD. Reg No : 53635 (WBMC)

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Collected On : 26/05/2023 09:43 AM Received On : 26/05/2023 10:05 AM Reported On : 26/05/2023 11:09 AM

Barcode : 802305260390 Specimen : Plasma Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8293613535

CLINICAL CHEMISTRY

| Test | Result | Unit | Biological Reference Interval |
|--|--------------|-------|--|
| Fasting Blood Sugar (FBS) (Glucose Oxidase, Peroxidase) | 101 H | mg/dL | Normal: 70-99 Pre-diabetes: 100-125 Diabetes: => 126 ADA standards 2019 |

--End of Report--

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

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

Note

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- Results relate to the sample only.
- Kindly correlate clinically.
(Fasting Blood Sugar (FBS) -> Auto Authorized)



ADULT TRANS-THORACIC ECHO REPORT

PATIENT NAME : Mr Aniruddha Bhowmik
GENDER/AGE : Male, 29 Years
LOCATION : -

PATIENT MRN : 17510001187447
PROCEDURE DATE : 26/05/2023 01:29 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: 68%. NORMAL DIASTOLIC FLOW PATTERN.
RIGHT VENTRICLE : NORMAL SIZE AND THICKNESS WITH NORMAL FUNCTION

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.

Langata Das

MR ANIRUDDHA BHOWMIK (17510001187447)

DR. SANGEETA DAS
CONSULTANT GENERAL MEDICINE MBBS

RUPA ANTONY
TECHNICIAN

26/05/2023 01:29 PM

PREPARED BY : NITA PAUL(308573)

PREPARED ON : 26/05/2023 02:12 PM

GENERATED BY : MADHUPARNA DASGUPTA(333433)

GENERATED ON : 30/05/2023 01:03 PM

| | | | |
|---------------------|-------------------|---------------------------|---------------------|
| Patient Name | Aniruddha Bhowmik | Requested By | EXTERNAL |
| MRN | 17510001187447 | Procedure DateTime | 2023-05-26 11:45:56 |
| Age/Sex | 29Y 6M/Male | Hospital | NH-RTIICS |

CHEST RADIOGRAPH (PA VIEW)

FINDINGS :

- Trachea is normal and is central.
- The cardiac shadow is normal in contour.
- Mediastinum and great vessels are within normal limits.
- The hilar shadows are within normal limits.
- The costo-phrenic angles are clear.
- The lung fields and bronchovascular markings appear normal.
- The visualized bones and soft tissue structures appear normal.
- Both the diaphragmatic domes appear normal.

IMPRESSION:

- **No significant radiological abnormality detected.**

NOT FOR MEDICO LEGAL PURPOSES

This is only a Radiological Impression and not Diagnosis. Like all diagnostic modalities, X-RAY also has its limitations. Therefore X-RAY 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.

A handwritten signature in purple ink, appearing to be 'Sc', located in the upper left quadrant of the page.

Dr. Sarbari Chatterjee
Consultant Radiologist