



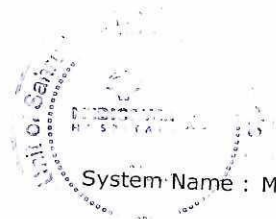
DEPARTMENT OF LABORATORY

| | |
|---|--|
| Patient Name : Mr. SOMENATH BISWAS | Age / Gender : 39 Y(s)/Male |
| Bill No/ UMR No : PUBC21025/PUU21037 | Referred By : Dr. GENERAL MEDICINE CONSUL |
| Received Dt : 03-Apr-24 05:19 pm | Report Date : 03-Apr-24 07:14 pm |

FINAL REPORT

| <u>Parameters</u> | <u>Specimen</u> | <u>Result</u> | <u>Biological Reference Intervals</u> |
|---|-----------------|---------------|---------------------------------------|
| CUE (COMPLETE URINE EXAMINATION) | | | |
| <u>GENERAL EXAMINATION</u> | | | |
| VOLUME | Urine | 20 | 10 ml to 25 ml |
| COLOUR | | PALE YELLOW | PALE YELLOW |
| APPEARANCE | | CLEAR | CLEAR |
| SPECIFIC GRAVITY | | 1.015 | 1.010 - 1.030 |
| PH | | 6.0 | 4.5 - 8.0 |
| <u>CHEMICAL EXAMINATION</u> | | | |
| PROTEIN | Urine | ABSENT | ABSENT |
| GLUCOSE | | ABSENT | ABSENT |
| BLOOD | | ABSENT | ABSENT |
| LEUCOCYTES | | NEGATIVE | NEGATIVE |
| UROBILINOGEN | | NORMAL | NORMAL |
| KETONE | | ABSENT | ABSENT |
| BILIRUBIN | | NEGATIVE | NEGATIVE |
| NITRITE | | NEGATIVE | NEGATIVE |
| <u>MICROSCOPIC EXAMINATION</u> | | | |
| PUS CELLS | Urine | 0-1 | 0 - 5 /hpf |
| RBC | | NIL | 0 - 2 /hpf |
| EPITHELIAL CELLS | | 0-1 | 0 - 5 /hpf |
| CRYSTALS | | NIL | ABSENT |
| CASTS | | ABSENT | ABSENT |
| OTHERS | | ABSENT | ABSENT |

*** End Of Report ***





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|-------------------------------------|-----------------|-------------------------|---|
| BLOOD GROUPING AND RH | | | |
| BLOOD GROUP | Blood | " AB " | |
| RH TYPE | | POSITIVE | SLIDE AGGLUTINATION |
| ESR | | 9 | 0 - 15 mm/1st hour WESTERGREN`S METHOD |
| COMPLETE BLOOD COUNT | | | |
| COMPLETE BLOOD COUNT | | | |
| HAEMOGLOBIN | EDTA | 13.6 | 13.2 - 17.3 g/dL Spectrophotometry |
| WHITE BLOOD CELLS (WBC) | | 9120 | 4000 - 11000 Cells/cumm Impedance |
| PLATELET COUNT | | 157000 | 150000 - 450000 /cumm Impedance |
| RED BLOOD CELLS | | 4.80 | 4.5 - 6 milli/cumm Impedance |
| HEMATOCRIT/HCT (PCV) | | 40.2 | 40 - 50 % Analogical integration |
| MCV | | 83.8 | 82 - 95 fl Calculated |
| MCH | | 28.4 | 27 - 32 pg Calculated |
| MCHC | | 33.9 | 32 - 36 g/dL Calculated |
| RDW(cv) | | 12.4 | 11.5 - 14.0 % Calculated |
| MPV | | 13.3 | 6 - 9.5 fl Calculated |
| DIFFERENTIAL COUNT | | | |
| NEUTROPHILS | EDTA | 70.2 | 50 - 75 % DHSS/Microscopy |
| LYMPHOCYTES | | 23.4 | 20 - 40 % DHSS/Microscopy |
| EOSINOPHILS | | 0.7 | 00 - 06 % DHSS/Microscopy |
| MONOCYTES | | 5.1 | 00 - 10 % DHSS/Microscopy |
| BASOPHILS | | 0.6 | 00 - 01 % DHSS/Microscopy |
| PERIPHERAL SMEAR EXAMINATION | | | |
| RBC morphology | EDTA | Normocytic Normochromic | |
| WBC morphology | | No Atypical Cells Seen | |
| PLATELETS | | Adequate on smear | |

*** End Of Report ***

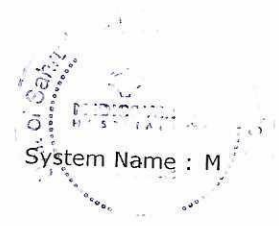
System Name : M



DEPARTMENT OF LABORATORY

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Parameter **Specimen** **Result Values** **Biological Reference** **Method**





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FINAL REPORT

Specimen

BUN(BLOOD UREA NITROGEN)

| | | | |
|----------------------------|------|------------------|-------------|
| BUN (Blood Urea Nitrogen.) | 10.6 | 7.0 - 21.0 mg/dL | Calculatead |
|----------------------------|------|------------------|-------------|

HBA1C (GLYCOSYLATED HAEMOGLOBIN)

| | | | |
|-------|-----|---------------------------|---------|
| HBA1C | 6.0 | Normal < 5.7 Pre diabetic | TINIA |
| | | 5.7 - 6.5 Diabetic | > 6.5 : |
| | | 5.7 - 6.5 | |

LIPID PROFILE

| | | | |
|---------------------|--------|---|--|
| TOTAL CHOLESTEROL | 194.3 | Borderline High : 200 - 240 mg/dL | Enzymatic |
| HDL CHOLESTEROL | 43.3 | High risk : > 240 mg/dL | |
| LDL CHOLESTEROL | 114.64 | Desirable: : < 200 mg/dL | |
| VLDL | 36.36 | Major risk factor for heart disease : : < 40 mg/dL | Homogeneous enzymatic colorimetric assay |
| SERUM TRYGLYCERIDES | 181.8 | Negative risk factor for heart disease : : > 60 mg/dL | |
| CHO/HDL RATIO | 4.49 | Optimal - < 100 mg/dL | Homogeneous enzymatic colorimetric assay |
| LDL/HDL RATIO | 2.65 | 6 - 38 mg/dl | Calculation |
| COMMENT | | Borderline High 150 - 199 mg/dL | Enzymatic colorimetric test |
| | | Normal - < 3.5 | Calculation |
| | | 2.5 - 3.5 | Calculation |

10-12 hours fasting is mandatory for Lipid profile parameters. If not ,Values may not be accurate.

FBS (FASTING BLOOD SUGAR)

| | | | |
|------------------------------|------|----------------------------|------------|
| FASTING BLOOD GLUCOSE | 82.4 | Normal Range 70 - 99 mg/dL | Hexokinase |
|------------------------------|------|----------------------------|------------|

SERUM CREATININE

| | | | |
|--|------|-----------------|-------|
| | 0.90 | 0.8 - 1.3 mg/dL | Jaffe |
|--|------|-----------------|-------|

LFT(LIVER FUNCTION TEST)

| | | | |
|----------------------------|------|-----------------|---------------------------|
| TOTAL BILIRUBIN | 0.32 | 0.1 - 1.2 mg/dL | Colorimetric diazo method |
| DIRECT BILIRUBIN | 0.14 | <= 0.20 mg/dL | Method: Diazo Method |
| INDIRECT BILIRUBIN | 0.18 | <= 1.0 mg/dL | Calculated |
| SGPT (ALT) | 49.2 | <= 41 U/L | Enzymatic |
| SGOT (AST) | 25.9 | <= 40 U/L | Enzymatic |
| ALKALINE PHOSPHATASE (ALP) | 70 | 40 - 129 U/L | PNPP |
| TOTAL PROTEINS | 7.50 | 6.4 - 8.3 g/dL | Method : Biuret method |

System Name : M



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|---|-----------------|---------------|--------------------------------|-------------------------------------|
| SERUM ALBUMIN | | 4.66 | 3.5 - 5.2 g/dL | Method : Bromocresol Green (BCG) |
| GLOBULINS | | 2.84 | 1.8 - 3.6 g/dL | Calculation |
| A/G RATIO | | 1.64 | 1.1 - 2.2 | Calculation |
| GAMMA GLUTAMYL TRANSFERASE(GGT) | | 37 | 10 - 71 U/L | Enzymatic colorimetric assay (IFCC) |
| SERUM URIC ACID | | 7.0 | 3.4 - 7.0 mg/dL | Enzymatic colorimetric test |
| PSA (PROSTATE SPECIFIC ANTIGEN). | | | | |
| PROSTATE SPECIFIC ANTIGEN (PSA) | | 0.780 | 0 - 4.0 ng/mL | Method : ECLIA |
| T3,T4 AND TSH | | | | |
| T3 | | 1.26 | 0.8 - 2.0 ng/mL | Method : ECLIA |
| T4 | | 7.83 | 5.1 - 14.1 ug/dL | Method : ECLIA |
| TSH(THYROID STIMULATING HORMONE) | | 2.98 | 0.27 - 4.2 uIU/mL | Method : ECLIA |

*** End Of Report ***

Lab Incharge

Dr. PAWAR PRIYA VASANTRAO, MBBS, DNB
CONSULTANT RHEUMATOLOGIST

Test results related only to the item tested.
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