

LABORATORY REPORT : HAEMATOLOGY

| | | | |
|--------------------|---------------------------|------------------|-------------------|
| Name | : Mrs. SWATHI CHETLAPALLY | Age /Sex | : 34Y Y(s)/FEMALE |
| Bill Date | : 28-Aug-2024 01:31 PM | UMR No. | : 652408000776 |
| Rec. Dt | : 28-Aug-2024 01:44 PM | Bill No. | : MCB65240801730 |
| Rept. Dt | : 28-Aug-2024 02:28 PM | Result No | : RWL240805322 |
| Ref By | : DR. Darna Arun Kumar | Sample ID | : MCWWL7006000 |
| Sample Type | : | | |

ESR

| <u>Parameters</u> | <u>Result</u> | <u>Reference Range</u> | <u>Units</u> |
|---|---------------|------------------------|--------------|
| ESR MODIFIED WESTERGREN'S METHOD | 35 * | 0 - 20 | mm/1st hour |

*** End Of Report ***

Suggested Clinical Correlation * If necessary, Please discuss



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| Rept. Dt | : 28-Aug-2024 02:28 PM | Result No | : RWL240805321 |
| Ref By | : DR. Darna Arun Kumar | Sample ID | : MCWWL7006000 |
| Sample Type | : | | |

CBP(COMPLETE BLOOD PICTURE)

| <u>Parameters</u> | <u>Result</u> | <u>Reference Range</u> | <u>Units</u> |
|--|---------------|-------------------------------|---------------------|
| HEMOGLOBIN <i>Photometric</i> | 10.9 * | 12.0 - 15.0 | gms/dL |
| R B C COUNT <i>Electrical Impedance</i> | 4.0 | 3.8 - 4.8 10 ¹² /L | 10 ¹² /L |
| PCV/HCT <i>Calculated</i> | 33.0 * | 36 - 46 | % |
| MCV <i>Calculated</i> | 81.6 * | 83 - 101 | fl |
| MCH <i>Calculated</i> | 26.9 * | 27 - 32 | pg |
| MCHC <i>Calculated</i> | 32.9 | 31 - 37 | g/dL |
| RDW(cv) | 17.5 * | 11.6 - 14.0 % | % |
| TLC (TOTAL LEUCOCYTE COUNT) <i>Impedance</i> | 4.70 | 4.0 - 10.0 | 10 ³ /μl |
| <u>DIFFERENTIAL COUNT</u> | | | |
| NEUTROPHILS <i>DHSS/Microscopy</i> | 47 | 40 - 80 % | |
| LYMPHOCYTES <i>DHSS/Microscopy</i> | 45 * | 20 - 40 % | |
| MONOCYTES <i>DHSS/Microscopy</i> | 06 | 02 - 10 % | |



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| | | | |
|--|--------|-------------------------------|---------------------|
| EOSINOPHILS <i>DHSS/Microscopy</i> | 02 | 00 - 06 % | |
| BASOPHILS <i>DHSS/Microscopy</i> | 00 | 00 - 01 % | |
| ABSOLUTE NEUTROPHILS COUNT(ANC) <i>Calculated</i> | 2.25 | 2.0 - 7.0 10 ⁹ /L | 10 ⁹ /L |
| ABSOLUTE LYMPHOCYTES COUNT(ALC) <i>Calculated</i> | 2.11 * | 3.0 -16.0 10 ⁹ /L | 10 ⁹ /L |
| ABSOLUTE MONOCYTES COUNT(AMC) <i>Calculated</i> | 0.30 | 0.3 -1.0 10 ⁹ /L | 10 ⁹ /L |
| ABSOLUTE EOSINOPHILS COUNTS(AEC) <i>Calculated</i> | 0.04 | 0.1 - 1.0 10 ⁹ /L | 10 ⁹ /L |
| ABSOLUTE BASOPHILS COUNT(ABC) <i>Calculated</i> | 0.00 | | |
| PLATELET COUNT <i>Electrical Impedance</i> | 273 | 150 - 400 10 ³ /μL | 10 ³ /μL |
| MPV | 10.8 | 7.5 - 11.5 fl | fl |

PERIPHERAL SMEAR (Leishman's Stain /Microscopy)

RBC

Normocytic normochromic picture

WBC

Normal in morphology, maturity and distribution



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PLATELETS

Adequate

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LABORATORY REPORT : CYTOLOGY

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| Rec. Dt | : 29-Aug-2024 01:52 PM | Bill No. | : MCB65240801730 |
| Rept. Dt | : 29-Aug-2024 02:29 PM | Result No | : RWL240805320 |
| Ref By | : DR. Darna Arun Kumar | Sample ID | : MCWWL7005999 |
| Sample Type | : SLIDES | | |

PAP SMEAR

PAP SMEAR NO.

G02/2024

CLINICAL HISTORY

H/O WHITE DISCHARGE
P/V : EROSIONS+, CERVIX -HYPERTROPHIED

SPECIMEN TYPE

CONVENTIONAL PAP SMEAR

SPECIMEN ADEQUACY

SATISFACTORY

MICROSCOPY

SMEARS SHOWS PREDOMINANTLY SUPERFICIAL CELLS AND INTERMEDIATE CELLS, FEW PARABASAL AND BASAL CELLS NOTED. BACKGROUND SHOWS CHIEFLY NEUTROPHILS, FEW LYMPHOCYTES AND HISTIOCYTES AND OCCASIONAL RBC's. NO E/O EPITHELIAL / GLANDULAR ABNORMALITIES. NO E/O ABNORMAL FLORA.

INTERPRETATION/RESULT

INFLAMMATORY SMEAR/ NILM

*** End Of Report ***

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LABORATORY REPORT : CLINICAL PATHOLOGY

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| Rec. Dt : 28-Aug-2024 01:44 PM | Bill No. : MCB65240801730 |
| Rept. Dt : 28-Aug-2024 02:28 PM | Result No : RWL240805319 |
| Ref By : DR. Darna Arun Kumar | Sample ID : MCWWL7005998 |
| Sample Type : | |

CUE(COMPLETE URINE EXAMINATION)

| <u>Parameters</u> | <u>Result</u> | <u>Reference Range</u> | <u>Units</u> |
|---|---------------|------------------------|--------------|
| <u>PHYSICAL EXAMINATION</u> | | | |
| VOLUME | 10ML | 10 ml to 25 ml | ml |
| COLOUR | PALE YELLOW | PALE YELLOW | |
| APPEARANCE | CLEAR | CLEAR | |
| <u>CHEMICAL EXAMINATION</u> | | | |
| SPECIFIC GRAVITY <i>Bromthymol blue</i> | 1.030 | 1.000 - 1.030 | |
| PH <i>Bromthymol blue</i> | 5.0 | 5.0 - 8.0 | |
| PROTEIN <i>Tetra-bromophenol blue/Heat coagulation test</i> | NIL | NIL (<15 mg/dL) | |
| GLUCOSE <i>Glucose oxidase Peroxidase/Benedict?s test</i> | NIL | NIL (<25 mg/dL) | |
| UROBILINOGEN <i>Diazonium salt</i> | NIL | NIL | |
| KETONE <i>Sodium nitroprusside/Rothera?s test.</i> | NIL | NIL (<5 mg/dL) | |
| BILIRUBIN <i>Diazonium salt/Fouchets test</i> | NIL | NIL (<0.5 mg/dL) | |



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| Sample Type | : | | |

| | | | |
|--|-----|------------|-----|
| NITRITE <i>Sulfanilic acid</i> | NIL | NEGATIVE | |
| <u>MICROSCOPIC EXAMINATION</u> | | | |
| PUS CELLS | 6-8 | 0 - 5 /hpf | |
| RBC | + | 0 - 5 /hpf | |
| EPITHELIAL CELLS | 3-4 | 0 - 5 | hpf |
| CRYSTALS | NIL | NIL | |
| CASTS | NIL | NIL | |
| OTHERS | NIL | NIL | |

INTERPRETATION

The colour fields of chemicals correspond to the following values:

1. Proteins: neg (negative), 30-99 (+), 100-499 (++) , >500 (+++) mg/dl
2. Ketones: neg. (negative), 5 (Trace), 15-49 (+), 50-149 (++) , >150 (+++) mg/dl
3. Glucose: norm. (normal), 50-149 (+), 150-499 (++) , 500-999 (+++) , >1000 (++++) mg/dl
4. Bilirubin: neg (negative), 1 (+), 3 (++) , 6 (+++) mg/ dl
5. Urobilinogen: norm. (normal), 2 (+), 4 (++) , 8 (+++) , 12 (++++) mg/dl.

*** End Of Report ***

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LABORATORY REPORT : BLOOD BANK

| | |
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| Rept. Dt : 28-Aug-2024 02:28 PM | Result No : RWL240805318 |
| Ref By : DR. Darna Arun Kumar | Sample ID : MCWWL7005997 |
| Sample Type : WHOLE BLOOD | |

BLOOD GROUPING AND RH

| <u>Parameters</u> | <u>Result</u> | <u>Reference Range</u> | <u>Units</u> |
|---|---------------|------------------------|--------------|
| BLOOD GROUP <i>Automated microcolumn gel method</i> | A | | |
| RH TYPE | POSITIVE | | |

INTERPRETATION

1. If Rh is Du positive it is best considered as Rh negative as recipient and Rh positive as donor. Proper Cross matching is recommended before transfusion.
2. In case of forward and reverse grouping discrepancy, clinical correlation and repeat sample analysis is recommended.
3. For Infants below 6 months only forward grouping is performed.
4. A sub-grouping is recommended after the age of 6 months.

*** End Of Report ***

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**MANCHALA LATA
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LABORATORY REPORT : BIOCHEMISTRY

| | |
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| Rec. Dt : 28-Aug-2024 01:44 PM | Bill No. : MCB65240801730 |
| Rept. Dt : 28-Aug-2024 04:27 PM | Result No : RWL240805317 |
| Ref By : DR. Darna Arun Kumar | Sample ID : MCWWL7005996 |
| Sample Type : SERUM | |

LIPID PROFILE

| <u>Parameters</u> | <u>Result</u> | <u>Reference Range</u> | <u>Units</u> |
|---|---------------|--|--------------|
| TOTAL CHOLESTEROL <i>Enzymatic colorimetric</i> | 135.7 | Desirable :: < 200 mg/dL Borderline High :: 200 - 239 mg/dL High risk : > 240 mg/dL | mg/dL |
| HDL CHOLESTEROL <i>Homogeneous enzymatic colorimetric</i> | 52.2 | Low :: < 40 mg/dL High :: > 60 mg/dL | mg/dL |
| LDL CHOLESTEROL <i>Direct-Enzymatic colorimetric</i> | 72.4 | Very High : - > 190 mg/dL Optimal : - < 100 mg/dL Near Optimal : 100 - 129 mg/dL High : 160 - 189 mg/dL | mg/dL |
| VLDL <i>Calculation</i> | 16.1 | Borderline High:130-159 mg/dl 2 - 30 mg/dL | mg/dL |
| SERUM TRYGLYCERIDES <i>Enzymatic colorimetric</i> | 80.5 | < 150 mg/dL Borderline High : 150 - 199 mg/dL High : 200 - 499 mg/dL | mg/dL |

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| Rept. Dt | : 28-Aug-2024 04:27 PM | Result No | : RWL240805316 |
| Ref By | : DR. Darna Arun Kumar | Sample ID | : MCWWL7005996 |
| Sample Type | : PLASMA | | |

FBS (FASTING BLOOD GLUCOSE WITH URINE GLUCOSE)

| <u>Parameters</u> | <u>Result</u> | <u>Reference Range</u> | <u>Units</u> |
|---|---------------|--|--------------|
| FASTING BLOOD GLUCOSE <i>Hexokinase</i> | 76 | Normal Range : 70 - 99 Impaired Glucose tolerance : 100 -125 Diabetes Mellitus : >=126 | mg/dL |

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| Rept. Dt | : 28-Aug-2024 04:27 PM | Result No | : RWL240805315 |
| Ref By | : DR. Darna Arun Kumar | Sample ID | : MCWWL7005996 |
| Sample Type | : | | |

SERUM CREATININE

| <u>Parameters</u> | <u>Result</u> | <u>Reference Range</u> | <u>Units</u> |
|-----------------------------------|---------------|------------------------|--------------|
| CREATININE <i>Jaffe</i> | 0.5 | 0.5 - 0.9 | mg/dL |

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| Rept. Dt | : 28-Aug-2024 02:28 PM | Result No | : RWL240805314 |
| Ref By | : DR. Darna Arun Kumar | Sample ID | : MCWWL7005996 |
| Sample Type | : SERUM | | |

T3,T4 AND TSH

| <u>Parameters</u> | <u>Result</u> | <u>Reference Range</u> | <u>Units</u> |
|--|---------------|------------------------|--------------|
| T3 ECLIA | 1.51 | 0.8 - 2.0 | ng/mL |
| T4 ECLIA | 8.89 | 5.1 - 14.1 | ug/dL |
| TSH(THYROID STIMULATING HORMONE) ECLIA | 2.20 | 0.270 - 4.20 | uIU/mL |

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| Ref By : DR. Darna Arun Kumar | Sample ID : MCWWL7005996 |
| Sample Type : SERUM | |

LFT(LIVER FUNCTION TEST)

| <u>Parameters</u> | <u>Result</u> | <u>Reference Range</u> | <u>Units</u> |
|---|---------------|------------------------|--------------|
| TOTAL BILIRUBIN <i>DIAZO</i> | 0.4 | <1.2 | mg/dL |
| DIRECT BILIRUBIN <i>DIAZO</i> | 0.1 | <=0.20 | mg/dL |
| INDIRECT BILIRUBIN <i>Calculated</i> | 0.3 | <=1.0 | mg/dL |
| SGPT (ALT) <i>UV without P5P</i> | 12 | <=33 | U/L |
| SGOT (AST) <i>UV without P5P</i> | 15 | <= 32 | U/L |
| ALKALINE PHOSPHATASE (ALP) <i>PNPP, AMP Buffer - IFCC Ref.</i> | 119 * | 35 - 105 | U/L |
| TOTAL PROTEINS <i>Biuret method</i> | 7.0 | 6.0 - 8.0 g/dL | g/dL |
| SERUM ALBUMIN <i>Bromcresol Green (BCG)</i> | 4.0 | 3.5 - 5.2 g/dL | g/dL |
| GLOBULINS <i>Calculated</i> | 3.0 | 2.5 - 3.5 g/dL | g/dL |
| A/G RATIO <i>Calculation</i> | 1.3 | 1.2 - 2.5 | |
| GAMMA GLUTAMYL TRANSFERASE(GGT) <i>G-glutamyl-carboxy-nitroanilide-IFCC</i> | 11 | 6-42 | U/L |

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| Rept. Dt | : 28-Aug-2024 04:27 PM | Result No | : RWL240805312 |
| Ref By | : DR. Darna Arun Kumar | Sample ID | : MCWWL7005996 |
| Sample Type | : | | |

SERUM URIC ACID

| <u>Parameters</u> | <u>Result</u> | <u>Reference Range</u> | <u>Units</u> |
|--|---------------|------------------------|--------------|
| SERUM URIC ACID <i>uricase</i> | 4.9 | 2.4-5.7 | mg/dL |

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| Rept. Dt | : 28-Aug-2024 04:27 PM | Result No | : RWL240805310 |
| Ref By | : DR. Darna Arun Kumar | Sample ID | : MCWWL7005996 |
| Sample Type | : SERUM | | |

BUN(BLOOD UREA NITROGEN)

| <u>Parameters</u> | <u>Result</u> | <u>Reference Range</u> | <u>Units</u> |
|--|---------------|------------------------|--------------|
| BLOOD UREA <i>Urease kinetic</i> | 12.2 * | 16.6 - 48.5 | mg/dL |
| BUN (Blood Urea Nitrogen.) | 5.69 | | |

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| Ref By : DR. Darna Arun Kumar | Sample ID : MCWWL7005995 |
| Sample Type : SERUM | |

HBA1C (GLYCOSYLATED HAEMOGLOBIN)

| <u>Parameters</u> | <u>Result</u> | <u>Reference Range</u> | <u>Units</u> |
|--|---------------|---|--------------|
| HBA1C <i>HPLC</i> | 5.4 | " Normal : < 5.7% Pre diabetic : 5.7 % - 6.5 % Diabetic : > 6.5 % | |
| MPG(Mean Plasma Glucose) <i>Derived from HBA1c value</i> | 114.94 | " Excellent Control : 90 - 120 mg/dl Good Control : 121 - 150 " | mg/dl |

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