



PKR JAIN HEALTHCARE INSTITUTE

NASIRPUR, Hissar Road, AMBALA CITY- (Haryana)

A PIONEER DIAGNOSTIC CENTRE

☎ 0171-2532620, 8222896961 ✉ pkrjainhealthcare@gmail.com

TEST PERFORMED AT: KOS DIAGNOSTIC LAB, AMBALA CANTT.

| | | | |
|-----------------------|--|--------------------------|------------------------|
| NAME | : Mr. AGYA RAM | PATIENT ID | : 1223496 |
| AGE/ GENDER | : 64 YRS/MALE | REG. NO./LAB NO. | : 122407260012 |
| COLLECTED BY | : | REGISTRATION DATE | : 26/Jul/2024 10:49 AM |
| REFERRED BY | : | COLLECTION DATE | : 26/Jul/2024 10:56AM |
| BARCODE NO. | : 12503816 | REPORTING DATE | : 26/Jul/2024 01:19PM |
| CLIENT CODE. | : P.K.R JAIN HEALTHCARE INSTITUTE | | |
| CLIENT ADDRESS | : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA | | |

| Test Name | Value | Unit | Biological Reference interval |
|-----------|-------|------|-------------------------------|
|-----------|-------|------|-------------------------------|

HAEMATOLOGY

COMPLETE BLOOD COUNT (CBC)

RED BLOOD CELLS (RBCS) COUNT AND INDICES

| | | | |
|---|-------|--------------|--|
| HAEMOGLOBIN (HB) <i>by CALORIMETRIC</i> | 14.5 | gm/dL | 12.0 - 17.0 |
| RED BLOOD CELL (RBC) COUNT <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i> | 4.83 | Millions/cmm | 3.50 - 5.00 |
| PACKED CELL VOLUME (PCV) <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i> | 40.9 | % | 40.0 - 54.0 |
| MEAN CORPUSCULAR VOLUME (MCV) <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i> | 84.6 | fL | 80.0 - 100.0 |
| MEAN CORPUSCULAR HAEMOGLOBIN (MCH) <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i> | 30 | pg | 27.0 - 34.0 |
| MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC) <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i> | 35.4 | g/dL | 32.0 - 36.0 |
| RED CELL DISTRIBUTION WIDTH (RDW-CV) <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i> | 13.4 | % | 11.00 - 16.00 |
| RED CELL DISTRIBUTION WIDTH (RDW-SD) <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i> | 43.9 | fL | 35.0 - 56.0 |
| MENTZERS INDEX <i>by CALCULATED</i> | 17.52 | RATIO | BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0 |
| GREEN & KING INDEX <i>by CALCULATED</i> | 23.45 | RATIO | BETA THALASSEMIA TRAIT: < = 65.0 IRON DEFICIENCY ANEMIA: > 65.0 |


WHITE BLOOD CELLS (WBCS)


| | | | |
|---|------|------|--------------|
| TOTAL LEUCOCYTE COUNT (TLC) <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | 9090 | /cmm | 4000 - 11000 |
|---|------|------|--------------|

DIFFERENTIAL LEUCOCYTE COUNT (DLC)

| | | | |
|---|-----------------|---|---------|
| NEUTROPHILS <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | 67 | % | 50 - 70 |
| LYMPHOCYTES <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | 19 ^L | % | 20 - 40 |
| EOSINOPHILS | 4 | % | 1 - 6 |




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| <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | | | |
| MONOCYTES | 10 | % | 2 - 12 |
| <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | | | |
| BASOPHILS | 0 | % | 0 - 1 |
| <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | | | |
| <u>ABSOLUTE LEUKOCYTES (WBC) COUNT</u> | | | |
| ABSOLUTE NEUTROPHIL COUNT | 6090 | /cmm | 2000 - 7500 |
| <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | | | |
| ABSOLUTE LYMPHOCYTE COUNT | 1727 ^L | /cmm | 800 - 4900 |
| <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | | | |
| ABSOLUTE EOSINOPHIL COUNT | 364 | /cmm | 40 - 440 |
| <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | | | |
| ABSOLUTE MONOCYTE COUNT | 909 ^H | /cmm | 80 - 880 |
| <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | | | |
| ABSOLUTE BASOPHIL COUNT | 0 | /cmm | 0 - 110 |
| <i>by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY</i> | | | |
| <u>PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS.</u> | | | |
| PLATELET COUNT (PLT) | 136000 ^L | /cmm | 150000 - 450000 |
| <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDEANCE</i> | | | |
| PLATELETCRIT (PCT) | 0.18 | % | 0.10 - 0.36 |
| <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDEANCE</i> | | | |
| MEAN PLATELET VOLUME (MPV) | 14 ^H | fL | 6.50 - 12.0 |
| <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDEANCE</i> | | | |
| PLATELET LARGE CELL COUNT (P-LCC) | 68000 | /cmm | 30000 - 90000 |
| <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDEANCE</i> | | | |
| PLATELET LARGE CELL RATIO (P-LCR) | 50 ^H | % | 11.0 - 45.0 |
| <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDEANCE</i> | | | |
| PLATELET DISTRIBUTION WIDTH (PDW) | 16.9 | % | 15.0 - 17.0 |
| <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDEANCE</i> | | | |
| NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD | | | |



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CLINICAL CHEMISTRY/BIOCHEMISTRY

URIC ACID

URIC ACID: SERUM 3.68 mg/dL 3.60 - 7.70
by URICASE - OXIDASE PEROXIDASE

INTERPRETATION:-

1.GOUT occurs when high levels of Uric Acid in the blood cause crystals to form & accumulate around a joint.
 2.Uric Acid is the end product of purine metabolism . Uric acid is excreted to a large degree by the kidneys and to a smaller degree in the intestinal tract by microbial degradation.

INCREASED:-

(A).DUE TO INCREASED PRODUCTION:-

- 1.Idiopathic primary gout.
- 2.Excessive dietary purines (organ meats,legumes,anchovies, etc).
- 3.Cytolytic treatment of malignancies especially leukemais & lymphomas.
- 4.Polycythemai vera & myeloid metaplasia.
- 5.Psoriasis.
- 6.Sickle cell anaemia etc.

(B).DUE TO DECREASED EXCRETION (BY KIDNEYS)

- 1.Alcohol ingestion.
- 2.Thiazide diuretics.
- 3.Lactic acidosis.
- 4.Aspirin ingestion (less than 2 grams per day).
- 5.Diabetic ketoacidosis or starvation.
- 6.Renal failure due to any cause etc.

DECREASED:-

(A).DUE TO DIETARY DEFICIENCY

- 1.Dietary deficiency of Zinc, Iron and molybdenum.
- 2.Fanconi syndrome & Wilsons disease.
- 3.Multiple sclerosis .
- 4.Syndrome of inappropriate antidiuretic hormone (SIADH) secretion & low purine diet etc.

(B).DUE TO INCREASED EXCRETION

- 1.Drugs:-Probenecid , sulphinyprazone, aspirin doses (more than 4 grams per day), corticosteroids and ACTH, anti-coagulants and estrogens etc.

*** End Of Report ***



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