| Dr. Vinay Chopra | Dr. Yugam Chopra |
|---|---|
| MD (Pathology & Microbiology) | MD (Pathology) |
| Chairman & Consultant Pathologist | CEO & Consultant Pathologist |

| | | | |
|---|---|---|---|
| **NAME** | **: Mr. ANURAG BANSAL** | | |
| **AGE/ GENDER** | : 12 YRS/MALE | **PATIENT ID** | : 1648901 |
| **COLLECTED BY** | : SURJESH | **REG. NO./LAB NO.** | **: 012410210052** |
| **REFERRED BY** | : | **REGISTRATION DATE** | : 21/Oct/2024 11:41 AM |
| **BARCODE NO.** | : 01519298 | **COLLECTION DATE** | : 21/Oct/2024 11:41AM |
| **CLIENT CODE.** | : KOS DIAGNOSTIC LAB | **REPORTING DATE** | : 21/Oct/2024 11:46AM |
| **CLIENT ADDRESS** | : 6349/1, NICHOLSON ROAD, AMBALA CANTT | | |

*TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.*

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

## HAEMATOLOGY

### COMPLETE BLOOD COUNT (CBC)

**RED BLOOD CELLS (RBCS) COUNT AND INDICES**

| Test Name | Value | Unit | Biological Reference interval |
|---|---|---|---|
| HAEMOGLOBIN (HB) *by CALORIMETRIC* | 13.1 | gm/dL | 12.0 - 16.0 |
| RED BLOOD CELL (RBC) COUNT *by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE* | 4.96 | Millions/cmm | 3.50 - 5.50 |
| PACKED CELL VOLUME (PCV) *by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER* | 41.8 | % | 35.0 - 49.0 |
| MEAN CORPUSCULAR VOLUME (MCV) *by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER* | 84.3 | fL | 80.0 - 100.0 |
| **MEAN CORPUSCULAR HAEMOGLOBIN (MCH)** *by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER* | **26.4$^L$** | **pg** | **27.0 - 34.0** |
| **MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC)** *by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER* | **31.4$^L$** | **g/dL** | **32.0 - 36.0** |
| RED CELL DISTRIBUTION WIDTH (RDW-CV) *by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER* | 15.7 | % | 11.00 - 16.00 |
| RED CELL DISTRIBUTION WIDTH (RDW-SD) *by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER* | 49.5 | fL | 35.0 - 56.0 |
| MENTZERS INDEX *by CALCULATED* | 17 | RATIO | BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0 |
| GREEN & KING INDEX *by CALCULATED* | 26.67 | RATIO | BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0 |

**WHITE BLOOD CELLS (WBCS)**

| Test Name | Value | Unit | Biological Reference interval |
|---|---|---|---|
| TOTAL LEUCOCYTE COUNT (TLC) *by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY* | 8540 | /cmm | 4000 - 12000 |
| NUCLEATED RED BLOOD CELLS (nRBCS) *by AUTOMATED 6 PART HEMATOLOGY ANALYZER* | NIL | | 0.00 - 20.00 |
| NUCLEATED RED BLOOD CELLS (nRBCS) % *by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER* | NIL | % | < 10 % |

**DIFFERENTIAL LEUCOCYTE COUNT (DLC)**

| Test Name | Value | Unit | Biological Reference interval |
|---|---|---|---|
| NEUTROPHILS *by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY* | 60 | % | 50 - 70 |

DR.VINAY CHOPRA
CONSULTANT PATHOLOGIST
MBBS, MD (PATHOLOGY & MICROBIOLOGY)

DR.YUGAM CHOPRA
CONSULTANT PATHOLOGIST
MBBS , MD (PATHOLOGY)

**KOS Central Lab**: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana
**KOS Molecular Lab**: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana
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Page 1 of 4

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| | | | |
|---|---|---|---|
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| **AGE/ GENDER** | : 12 YRS/MALE | **PATIENT ID** | : 1648901 |
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| **CLIENT ADDRESS** | : 6349/1, NICHOLSON ROAD, AMBALA CANTT | | |

| Test Name | Value | Unit | Biological Reference interval |
|---|---|---|---|
| LYMPHOCYTES<br>*by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY* | 30 | % | 20 - 45 |
| EOSINOPHILS<br>*by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY* | 4 | % | 1 - 6 |
| MONOCYTES<br>*by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY* | 6 | % | 3 - 12 |
| BASOPHILS<br>*by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY* | 0 | % | 0 - 1 |
| **ABSOLUTE LEUKOCYTES (WBC) COUNT** | | | |
| ABSOLUTE NEUTROPHIL COUNT<br>*by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY* | 5124 | /cmm | 2000 - 7500 |
| ABSOLUTE LYMPHOCYTE COUNT<br>*by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY* | 2562 | /cmm | 800 - 4900 |
| ABSOLUTE EOSINOPHIL COUNT<br>*by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY* | 342 | /cmm | 40 - 440 |
| ABSOLUTE MONOCYTE COUNT<br>*by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY* | 512 | /cmm | 80 - 880 |
| ABSOLUTE BASOPHIL COUNT<br>*by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY* | 0 | /cmm | 0 - 110 |
| **PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS.** | | | |
| **PLATELET COUNT (PLT)**<br>*by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE* | 478000$^H$ | /cmm | **150000 - 450000** |
| **PLATELETCRIT (PCT)**<br>*by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE* | 0.52$^H$ | % | **0.10 - 0.36** |
| MEAN PLATELET VOLUME (MPV)<br>*by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE* | 11 | fL | 6.50 - 12.0 |
| **PLATELET LARGE CELL COUNT (P-LCC)**<br>*by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE* | 147000$^H$ | /cmm | **30000 - 90000** |
| PLATELET LARGE CELL RATIO (P-LCR)<br>*by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE* | 30.8 | % | 11.0 - 45.0 |
| PLATELET DISTRIBUTION WIDTH (PDW)<br>*by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE* | 15.9 | % | 15.0 - 17.0 |

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

**DR.VINAY CHOPRA**
CONSULTANT PATHOLOGIST
MBBS, MD (PATHOLOGY & MICROBIOLOGY)

**DR.YUGAM CHOPRA**
CONSULTANT PATHOLOGIST
MBBS , MD (PATHOLOGY)

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Page 2 of 4

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Dr. Vinay Chopra
MD (Pathology & Microbiology)
Chairman & Consultant Pathologist

Dr. Yugam Chopra
MD (Pathology)
CEO & Consultant Pathologist

| | | | |
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| **NAME** | **: Mr. ANURAG BANSAL** | | |
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| **BARCODE NO.** | : 01519298 | **COLLECTION DATE** | : 21/Oct/2024 11:41AM |
| **CLIENT CODE.** | : KOS DIAGNOSTIC LAB | **REPORTING DATE** | : 21/Oct/2024 11:48AM |
| **CLIENT ADDRESS** | : 6349/1, NICHOLSON ROAD, AMBALA CANTT | | |

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.

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

### BLOOD GROUP (ABO) AND RH FACTOR TYPING

| Test Name | Value |
|---|---|
| ABO GROUP | AB |
| *by SLIDE AGGLUTINATION* | |
| RH FACTOR TYPE | POSITIVE |
| *by SLIDE AGGLUTINATION* | |

DR.VINAY CHOPRA
CONSULTANT PATHOLOGIST
MBBS, MD (PATHOLOGY & MICROBIOLOGY)

DR.YUGAM CHOPRA
CONSULTANT PATHOLOGIST
MBBS , MD (PATHOLOGY)

**KOS Central Lab**: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana
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0171-2643898, +91 99910 43898 | care@koshealthcare.com | www.koshealthcare.com

Page 3 of 4

Dr. Vinay Chopra
MD (Pathology & Microbiology)
Chairman & Consultant Pathologist

Dr. Yugam Chopra
MD (Pathology)
CEO & Consultant Pathologist

| | | | |
|---|---|---|---|
| **NAME** | **: Mr. ANURAG BANSAL** | | |
| **AGE/ GENDER** | : 12 YRS/MALE | **PATIENT ID** | : 1648901 |
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| **REFERRED BY** | : | **REGISTRATION DATE** | : 21/Oct/2024 11:41 AM |
| **BARCODE NO.** | : 01519298 | **COLLECTION DATE** | : 21/Oct/2024 11:41AM |
| **CLIENT CODE.** | : KOS DIAGNOSTIC LAB | **REPORTING DATE** | : 21/Oct/2024 11:59AM |
| **CLIENT ADDRESS** | : 6349/1, NICHOLSON ROAD, AMBALA CANTT | | |

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

## IMMUNOPATHOLOGY/SEROLOGY

### DENGUE FEVER COMBO SCREENING - (NS1 ANTIGEN, IgG AND IgM)

| | | | |
|---|---|---|---|
| DENGUE NS1 ANTIGEN - SCREENING | NEGATIVE (-ve) | | NEGATIVE (-ve) |
| *by ICT (IMMUNOCHROMATOGRAPHY)* | | | |
| DENGUE ANTIBODY IgG - SCREENING | NEGATIVE (-ve) | | NEGATIVE (-ve) |
| *by ICT (IMMUNOCHROMATOGRAPHY)* | | | |
| DENGUE ANTIBODY IgM - SCREENING | NEGATIVE (-ve) | | NEGATIVE (-ve) |
| *by ICT (IMMUNOCHROMATOGRAPHY)* | | | |

**INTERPRETATION:-**

*1.*This is a solid phase immunochromatographic ELISA test for the qualitative detection of the specific IgG and IgM antibodies against the Dengue virus.

2.The IgM antibodies take a minimum of 5-10 days in primary infection and 4-5 days in secondary infections to test positive and hence are suitable for the diagnosis of dengue fever only when the fever is approximately one week old.

3.The IgG antibodies develop at least two weeks after exposure to primary infection and subsequently remain positive for the rest of the life. A positive result is incapable of differentiating a current infection from a past infection.

4.The Dengue NS-1 antigen test is most suited for early diagnosis (within the first week of exposure).

\*\*\* End Of Report \*\*\*

DR.VINAY CHOPRA
CONSULTANT PATHOLOGIST
MBBS, MD (PATHOLOGY & MICROBIOLOGY)

DR.YUGAM CHOPRA
CONSULTANT PATHOLOGIST
MBBS , MD (PATHOLOGY)

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