

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

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

<b>NAME</b>	: Mr. ANIL MITTAL	<b>PATIENT ID</b>	: 1543692
<b>AGE/ GENDER</b>	: 67 YRS/MALE	<b>REG. NO./LAB NO.</b>	: 012407090045
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 09/Jul/2024 04:01 PM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 09/Jul/2024 04:02PM
<b>BARCODE NO.</b>	: 01512817	<b>REPORTING DATE</b>	: 09/Jul/2024 04:45PM
<b>CLIENT CODE.</b>	: KOS DIAGNOSTIC LAB		
<b>CLIENT ADDRESS</b>	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

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

**HAEMATOLOGY**

**COMPLETE BLOOD COUNT (CBC)**

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

<b>HAEMOGLOBIN (HB)</b> <i>by CALORIMETRIC</i>	11.8 <sup>L</sup>	gm/dL	12.0 - 17.0
<b>RED BLOOD CELL (RBC) COUNT</b> <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>	4.66	Millions/cmm	3.50 - 5.00
<b>PACKED CELL VOLUME (PCV)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	37.2 <sup>L</sup>	%	40.0 - 54.0
<b>MEAN CORPUSCULAR VOLUME (MCV)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	79.9 <sup>L</sup>	fL	80.0 - 100.0
<b>MEAN CORPUSCULAR HAEMOGLOBIN (MCH)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	25.4 <sup>L</sup>	pg	27.0 - 34.0
<b>MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	31.7 <sup>L</sup>	g/dL	32.0 - 36.0
<b>RED CELL DISTRIBUTION WIDTH (RDW-CV)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	15.6	%	11.00 - 16.00
<b>RED CELL DISTRIBUTION WIDTH (RDW-SD)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER</i>	46.5	fL	35.0 - 56.0
<b>MENTZERS INDEX</b> <i>by CALCULATED</i>	17.15	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
<b>GREEN &amp; KING INDEX</b> <i>by CALCULATED</i>	26.83	RATIO	BETA THALASSEMIA TRAIT: < = 65.0 IRON DEFICIENCY ANEMIA: > 65.0

**WHITE BLOOD CELLS (WBCS)**

<b>TOTAL LEUCOCYTE COUNT (TLC)</b> <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	7770	/cmm	4000 - 11000
<b>NUCLEATED RED BLOOD CELLS (nRBCS)</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER &amp; MICROSCOPY</i>	NIL		0.00 - 20.00
<b>NUCLEATED RED BLOOD CELLS (nRBCS) %</b> <i>by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER &amp; MICROSCOPY</i>	NIL	%	< 10 %

**DIFFERENTIAL LEUCOCYTE COUNT (DLC)**



*Chopra*

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

*Chopra*

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.

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

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

<b>NAME</b>	: Mr. ANIL MITTAL	<b>PATIENT ID</b>	: 1543692
<b>AGE/ GENDER</b>	: 67 YRS/MALE	<b>REG. NO./LAB NO.</b>	: <b>012407090045</b>
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 09/Jul/2024 04:01 PM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 09/Jul/2024 04:02PM
<b>BARCODE NO.</b>	: 01512817	<b>REPORTING DATE</b>	: 09/Jul/2024 04:45PM
<b>CLIENT CODE.</b>	: KOS DIAGNOSTIC LAB		
<b>CLIENT ADDRESS</b>	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
<b>NEUTROPHILS</b> <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	82 <sup>H</sup>	%	50 - 70
<b>LYMPHOCYTES</b> <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	7 <sup>L</sup>	%	20 - 40
<b>EOSINOPHILS</b> <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	4	%	1 - 6
<b>MONOCYTES</b> <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	7	%	2 - 12
<b>BASOPHILS</b> <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	0	%	0 - 1
<b><u>ABSOLUTE LEUKOCYTES (WBC) COUNT</u></b>			
<b>ABSOLUTE NEUTROPHIL COUNT</b> <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	6371	/cmm	2000 - 7500
<b>ABSOLUTE LYMPHOCYTE COUNT</b> <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	544 <sup>L</sup>	/cmm	800 - 4900
<b>ABSOLUTE EOSINOPHIL COUNT</b> <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	311	/cmm	40 - 440
<b>ABSOLUTE MONOCYTE COUNT</b> <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	544	/cmm	80 - 880
<b>ABSOLUTE BASOPHIL COUNT</b> <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	0	/cmm	0 - 110
<b>ABSOLUTE IMMATURE GRANULOCYTE COUNT</b> <i>by FLOW CYTOMETRY BY SF CUBE &amp; MICROSCOPY</i>	0	/cmm	0.0 - 999.0
<b><u>PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS.</u></b>			
<b>PLATELET COUNT (PLT)</b> <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>	543000 <sup>H</sup>	/cmm	150000 - 450000
<b>PLATELET CRIT (PCT)</b> <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>	0.44 <sup>H</sup>	%	0.10 - 0.36
<b>MEAN PLATELET VOLUME (MPV)</b> <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>	8	fL	6.50 - 12.0
<b>PLATELET LARGE CELL COUNT (P-LCC)</b> <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>	83000	/cmm	30000 - 90000
<b>PLATELET LARGE CELL RATIO (P-LCR)</b> <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>	15.2	%	11.0 - 45.0
<b>PLATELET DISTRIBUTION WIDTH (PDW)</b> <i>by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE</i>	16	%	15.0 - 17.0



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

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



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

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

<b>NAME</b>	: Mr. ANIL MITTAL	<b>PATIENT ID</b>	: 1543692
<b>AGE/ GENDER</b>	: 67 YRS/MALE	<b>REG. NO./LAB NO.</b>	: <b>012407090045</b>
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 09/Jul/2024 04:01 PM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 09/Jul/2024 04:02PM
<b>BARCODE NO.</b>	: 01512817	<b>REPORTING DATE</b>	: 09/Jul/2024 04:45PM
<b>CLIENT CODE.</b>	: KOS DIAGNOSTIC LAB		
<b>CLIENT ADDRESS</b>	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

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

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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

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



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

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

<b>NAME</b>	: Mr. ANIL MITTAL	<b>PATIENT ID</b>	: 1543692
<b>AGE/ GENDER</b>	: 67 YRS/MALE	<b>REG. NO./LAB NO.</b>	: 012407090045
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 09/Jul/2024 04:01 PM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 09/Jul/2024 04:02PM
<b>BARCODE NO.</b>	: 01512817	<b>REPORTING DATE</b>	: 09/Jul/2024 05:27PM
<b>CLIENT CODE.</b>	: KOS DIAGNOSTIC LAB		
<b>CLIENT ADDRESS</b>	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

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

### CLINICAL CHEMISTRY/BIOCHEMISTRY

#### SGOT/SGPT PROFILE

SGOT/AST: SERUM <i>by IFCC, WITHOUT PYRIDOXAL PHOSPHATE</i>	14.9	U/L	7.00 - 45.00
SGPT/ALT: SERUM <i>by IFCC, WITHOUT PYRIDOXAL PHOSPHATE</i>	14.6	U/L	0.00 - 49.00
SGOT/SGPT RATIO <i>by CALCULATED, SPECTROPHOTOMETRY</i>	1.02		

#### INTERPRETATION

**NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Reference Range.**  
**USE:-** Differential diagnosis of diseases of hepatobiliary system and pancreas.

#### INCREASED:-

DRUG HEPATOTOXICITY	> 2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTASIS	> 1.5
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)


#### DECREASED:-


- Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)
- Extra Hepatic cholestasis: 0.8 (normal or slightly decreased).

#### PROGNOSTIC SIGNIFICANCE:-

NORMAL	< 0.65
GOOD PROGNOSTIC SIGN	0.3 - 0.6
POOR PROGNOSTIC SIGN	1.2 - 1.6



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

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



TEST PERFORMED AT: KOS DIAGNOSTIC LAB, AMBALA CANTT.


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


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

<b>NAME</b>	: Mr. ANIL MITTAL	<b>PATIENT ID</b>	: 1543692
<b>AGE/ GENDER</b>	: 67 YRS/MALE	<b>REG. NO./LAB NO.</b>	: <b>012407090045</b>
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 09/Jul/2024 04:01 PM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 09/Jul/2024 04:02PM
<b>BARCODE NO.</b>	: 01512817	<b>REPORTING DATE</b>	: 09/Jul/2024 05:27PM
<b>CLIENT CODE.</b>	: KOS DIAGNOSTIC LAB		
<b>CLIENT ADDRESS</b>	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
<b>UREA</b>			
UREA: SERUM <i>by UREASE - GLUTAMATE DEHYDROGENASE (GLDH)</i>	23.35	mg/dL	10.00 - 50.00



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

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




TEST PERFORMED AT: KOS DIAGNOSTIC LAB, AMBALA CANTT.

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


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

<b>NAME</b>	: Mr. ANIL MITTAL	<b>PATIENT ID</b>	: 1543692
<b>AGE/ GENDER</b>	: 67 YRS/MALE	<b>REG. NO./LAB NO.</b>	: <b>012407090045</b>
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 09/Jul/2024 04:01 PM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 09/Jul/2024 04:02PM
<b>BARCODE NO.</b>	: 01512817	<b>REPORTING DATE</b>	: 09/Jul/2024 05:27PM
<b>CLIENT CODE.</b>	: KOS DIAGNOSTIC LAB		
<b>CLIENT ADDRESS</b>	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
<b>CREATININE</b>			
CREATININE: SERUM <i>by ENZYMATIC, SPECTROPHOTOMETRY</i>	1.2	mg/dL	0.40 - 1.40

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



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



TEST PERFORMED AT: KOS DIAGNOSTIC LAB, AMBALA CANTT.

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

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

<b>NAME</b>	: Mr. ANIL MITTAL	<b>PATIENT ID</b>	: 1543692
<b>AGE/ GENDER</b>	: 67 YRS/MALE	<b>REG. NO./LAB NO.</b>	: <b>012407090045</b>
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 09/Jul/2024 04:01 PM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 09/Jul/2024 04:02PM
<b>BARCODE NO.</b>	: 01512817	<b>REPORTING DATE</b>	: 09/Jul/2024 05:27PM
<b>CLIENT CODE.</b>	: KOS DIAGNOSTIC LAB		
<b>CLIENT ADDRESS</b>	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

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

**IMMUNOPATHOLOGY/SEROLOGY**

**C-REACTIVE PROTEIN (CRP)**

<b>C-REACTIVE PROTEIN (CRP) QUANTITATIVE:</b>	15.15 <sup>H</sup>	mg/L	0.0 - 6.0
---	--------------------	------	-----------

**SERUM**  
by NEPHLOMETRY

**INTERPRETATION:**

1. C-reactive protein (CRP) is one of the most sensitive acute-phase reactants for inflammation.
2. CRP levels can increase dramatically (100-fold or more) after severe trauma, bacterial infection, inflammation, surgery, or neoplastic proliferation.
3. CRP levels (Quantitative) has been used to assess activity of inflammatory disease, to detect infections after surgery, to detect transplant rejection, and to monitor these inflammatory processes.
4. As compared to ESR, CRP shows an earlier rise in inflammatory disorders which begins in 4-6 hrs, the intensity of the rise being higher than ESR and the recovery being earlier than ESR. Unlike ESR, CRP levels are not influenced by hematologic conditions like Anemia, Polycythemia etc.,
5. Elevated values are consistent with an acute inflammatory process.

- NOTE:**
1. Elevated C-reactive protein (CRP) values are nonspecific and should not be interpreted without a complete clinical history.
  2. Oral contraceptives may increase CRP levels.

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



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

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



TEST PERFORMED AT: KOS DIAGNOSTIC LAB, AMBALA CANTT.