

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

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

<b>NAME</b>	: Mr. KAUSHAL	<b>PATIENT ID</b>	: 1612976
<b>AGE/ GENDER</b>	: 24 YRS/MALE	<b>REG. NO./LAB NO.</b>	: <b>012409140046</b>
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 14/Sep/2024 01:15 PM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 14/Sep/2024 01:23PM
<b>BARCODE NO.</b>	: 01516959	<b>REPORTING DATE</b>	: 14/Sep/2024 02:59PM
<b>CLIENT CODE.</b>	: KOS DIAGNOSTIC LAB		
<b>CLIENT ADDRESS</b>	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
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**CLINICAL CHEMISTRY/BIOCHEMISTRY**

**URIC ACID**

URIC ACID: SERUM	5.51	mg/dL	3.60 - 7.70
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*by URICASE - OXIDASE PEROXIDASE*

**INTERPRETATION:-**

- GOUT occurs when high levels of Uric Acid in the blood cause crystals to form & accumulate around a joint.
- 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:-**

- Idiopathic primary gout.
- Excessive dietary purines (organ meats, legumes, anchovies, etc).
- Cytolytic treatment of malignancies especially leukemias & lymphomas.
- Polycythemia vera & myeloid metaplasia.
- Psoriasis.
- Sickle cell anaemia etc.

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

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

**DECREASED:-**

**(A).DUE TO DIETARY DEFICIENCY**

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

**(B).DUE TO INCREASED EXCRETION**

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

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



*Chopra*

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

*Chopra*

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

