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

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



| | | | |
|---|---|---|---|
| **NAME** | **: Mr. VIJAY KUMAR SEHGAL** | | |
| **AGE/ GENDER** | : 71 YRS/MALE | **PATIENT ID** | : 1786942 |
| **COLLECTED BY** | : SURJESH | **REG. NO./LAB NO.** | **: 012503110030** |
| **REFERRED BY** | : | **REGISTRATION DATE** | : 11/Mar/2025 09:45 AM |
| **BARCODE NO.** | : 01526926 | **COLLECTION DATE** | : 11/Mar/2025 10:07AM |
| **CLIENT CODE.** | : KOS DIAGNOSTIC LAB | **REPORTING DATE** | : 11/Mar/2025 10:57AM |
| **CLIENT ADDRESS** | : 6349/1, NICHOLSON ROAD, AMBALA CANTT | | |

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

## HAEMATOLOGY

### PROTHROMBIN TIME STUDIES (PT/INR)

| | | | |
|---|---|---|---|
| PT TEST (PATIENT)<br>*by PHOTO OPTICAL CLOT DETECTION* | **24.5$^{H}$** | SECS | 11.5 - 14.5 |
| PT (CONTROL)<br>*by PHOTO OPTICAL CLOT DETECTION* | 12 | SECS | |
| ISI<br>*by PHOTO OPTICAL CLOT DETECTION* | 1.1 | | |
| INTERNATIONAL NORMALISED RATIO (INR)<br>*by PHOTO OPTICAL CLOT DETECTION* | **2.19$^{H}$** | | 0.80 - 1.20 |
| PT INDEX<br>*by PHOTO OPTICAL CLOT DETECTION* | 48.98 | % | |

***INTERPRETATION:-***

1.INR is the parameter of choice in monitoring adequacy of oral anti-coagulant therapy. Appropiate therapeutic range varies with the disease and treatment intensity.
2. Prolonged INR suggests potential bleeding disorder /bleeding complications
3. Results should be clinically correlated.
4. *Test conducted on Citrated Plasma*

| RECOMMENDED THERAPEUTIC RANGE FOR ORAL ANTI-COAGULANT THERAPY (INR) | | |
|---|---|---|
| **INDICATION** | | **INTERNATIONAL NORMALIZED RATIO (INR)** |
| Treatment of venous thrombosis | Low Intensity | 2.0 - 3.0 |
| Treatment of pulmonary embolism | | |
| Prevention of systemic embolism in tissue heart valves | | |
| Valvular heart disease | | |
| Acute myocardial infarction | | |
| Atrial fibrillation | | |
| Bileaflet mechanical valve in aortic position | | |
| Recurrent embolism | High Intensity | 2.5 - 3.5 |
| Mechanical heart valve | | |

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| Test Name | Value | Unit | Biological Reference interval |
|---|---|---|---|
| Antiphospholipid antibodies$^{+}$ | | | |

**COMMENTS:**
The prothrombin time (PT) and its derived measures of prothrombin ratio (PR) and international normalized ratio (INR) are measures of the efficacy of the extrinsic pathway of coagulation. PT test reflects the adequacy of factors I (fibrinogen), II (prothrombin), V, VII, and X. It is used in conjunction with the activated partial thromboplastin time (aPTT) which measures the intrinsic pathway.
The common causes of prolonged prothrombin time are :
1.Oral Anticoagulant therapy.
2.Liver disease.
3.Vit K. deficiency.
4.Disseminated intra vascular coagulation.
5.Factor 5, 7 , 10 or Prothrombin dificiency

RECHECKED

*** End Of Report ***

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