

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

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

NAME : Mrs. KAVITA SAINI  
AGE/ GENDER : 53 YRS/FEMALE  
COLLECTED BY :  
REFERRED BY :  
BARCODE NO. : 01512765  
CLIENT CODE. : KOS DIAGNOSTIC LAB  
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

PATIENT ID : 1542376  
REG. NO./LAB NO. : 012407080057  
REGISTRATION DATE : 08/Jul/2024 05:05 PM  
COLLECTION DATE : 08/Jul/2024 05:18PM  
REPORTING DATE : 08/Jul/2024 05:35PM

Test Name	Value	Unit	Biological Reference interval
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### HAEMATOLOGY

#### PLATELET COUNT (P/C)

PLATELET COUNT (PLT)	178000	/cmm	150000 - 450000
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by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE & MICROSCOPY

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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### PROTHROMBIN TIME STUDIES (PT/INR)

PT TEST (PATIENT) by PHOTO OPTICAL CLOT DETECTION	12.8	SECS	11.5 - 14.5
PT (CONTROL) by PHOTO OPTICAL CLOT DETECTION	12	SECS	
ISI by PHOTO OPTICAL CLOT DETECTION	1.1		
INTERNATIONAL NORMALISED RATIO (INR) by PHOTO OPTICAL CLOT DETECTION	1.07		0.80 - 1.20
PT INDEX by PHOTO OPTICAL CLOT DETECTION	93.75	%	

#### INTERPRETATION:-

1. INR is the parameter of choice in monitoring adequacy of oral anti-coagulant therapy. Appropriate 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	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	2.5 - 3.5
Recurrent embolism	
Mechanical heart valve	
Antiphospholipid antibodies <sup>+</sup>	

COMMENTS:



  
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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 deficiency

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





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