

Booked For
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Ramgarh Cantt, Ramgarh, Jharkhand 829122, - 829122
Contact No. -9934385357

Processed By
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Name : Mr. S o RAJESH KUMAR
Age/Gender : 23 Yrs/Male
P. ID No. : 1900C0522024N110939
Accession No : 1900C052202411090003
Referring Doctor : M.H. OF RAMGARH
Referred By :

Billing Date : 09/11/2024 10:42:45 AM
Sample Collected on : 09/11/2024 10:42:47 AM
Sample Received on : 09/11/2024 12:46:14 PM
Report Released on : 09/11/2024 01:16:59 PM

Report Status -Final

Test Name	Result	Biological Ref. Interval	Unit
Prothrombin Time (PT)			
Sample : Plasma Citrate			
Method : Manual			
Prothrombin Time	14.00	11.70 - 15.30	seconds
MNPT	13.60		seconds
INR	1.03	0.93 - 1.16	---

Interpretation

Prothrombin Time (PT)

PT measures the integrity of the extrinsic pathway and the adequacy of the critical coagulation factors involved in it, namely Factor VII. This test, is therefore, used for monitoring the oral anticoagulation therapy which works by lowering multiple Vitamin K dependent coagulation factors in blood (namely Factors II, VII, IX and X) including Factor VII). The results of PT are expressed as International Normalized Ratio(INR) to neutralize the influence of variable sensitivity of reagents (Thromboplastin) used in the assay by different laboratories.

INCREASED PT: may be due to 1. Factor deficiencies, 2. Drugs (e.g Coumarin type drugs for anticoagulant therapy, salicylates), 3. Severe Liver damage (eg. Poisoning, Hepatitis, Cirrhosis), 4. Hypofibrinogenemia (Acquired or Inherited), 5. Hemorrhagic disease of the newborn, 6. Poor Fat absorption (Obstructive jaundice, fistulas, sprue, steatorrhoea, chronic diarrhea, colitis)

RECOMMENDATION: It is advisable to follow up with INR value rather than PT in seconds. The recommended INR: 2-3 for Patients on Oral Anticoagulant Therapy in all conditions except mechanical valve replacement and prevention of Myocardial Infarction, where the INR may be maintained at 2.5-3.5. Anticoagulant therapy is advised to be discontinued if INR > 4.5.

** End of Report **

Authenticated By



Dr. Amit Anand
MBBS DCP
Lab Head



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