**Test Name** | **Result** | **Units** | **Ref. Range**
---|---|---|---
Prothrombin Time Studies (Electromechanical Clot Detection)

| Mean Normal Prothrombin Time (PT) | 13.40 | sec |
| Patient value | 19.10 | sec | (10.80 - 15.60) |
| Prothrombin Ratio (PR) | 1.42 | |
| International Normalized Ratio (INR) | 1.58 | |

**Note:**
1. INR is the parameter of choice in monitoring adequacy of oral anticoagulant therapy. Appropriate therapeutic range varies with 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 Anticoagulant therapy**

**INR 2.0-3.0:**
- Treatment of Venous thrombosis & Pulmonary embolism
- Prophylaxis of Venous thrombosis (High risk surgery)
- Prevention of systemic embolism in tissue heart valves, AMI, Valvular heart disease & Atrial fibrillation
- Bileaflet mechanical valve in aortic position

**INR 2.5-3.5:**
- Mechanical prosthetic valves
- Systemic recurrent emboli

**Comments:**
Prothrombin time measures the extrinsic coagulation pathway which consists of activated Factor VII (VIIa), Tissue factor and Proteins of the common pathway (Factors X, V, II & Fibrinogen). This assay is used to control long term oral anticoagulant therapy, evaluation of liver function & to evaluate coagulation disorders specially factors involved in the extrinsic pathway like Factors V, VII, X, Prothrombin & Fibrinogen.

**REPORT AUTHORIZED BY:**
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Name: MRS. PUSHPA SIROHI  
Lab. No:12 1209303 Age:73 years Gender: F  
A/C Status:C Ref. By: SELF  
Collected: 27/03/12 08:37  
Received: 27/03/12 08:38  
Printed: 27/03/12 15:49

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<th>Units</th>
<th>Ref. Range</th>
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REPORT COMPLETED
Tests Requested: PROTHROMBIN TIME STUDIES, COMMENTS