Name : Mr. DUMMY
Lab No. : 133434241 Age: 25 Years Gender: Male
A/c Status : P Ref By : Dr. UNKNWON

Report Status : Final

Test Name : P

Reported: 10/7/2017 3:30:00PM
Received: 10/7/2017 3:41:29PM
Collected: 10/7/2017 6:27:15PM

THROMBOTIC RISK SCREEN
(Electromechanical Clot Detection, Immunoturbidimetry & Chromogenic)

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Results</th>
<th>Units</th>
<th>Bio. Ref. Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protein C, Functional</td>
<td>139.00</td>
<td>%</td>
<td>70.00 - 140.00</td>
</tr>
<tr>
<td>PROTEIN S, (FREE) ANTIGEN</td>
<td>70.00</td>
<td>%</td>
<td>60.00 - 140.00</td>
</tr>
<tr>
<td>ANTITHROMBIN ACTIVITY, FUNCTIONAL</td>
<td>83.00</td>
<td>%</td>
<td>80.00 - 120.00</td>
</tr>
<tr>
<td>ACTIVATED PROTEIN C RESISTANCE; APC-R</td>
<td>123.00</td>
<td>Seconds</td>
<td>&gt;119.99</td>
</tr>
</tbody>
</table>

Note
1. Heparin therapy may cause spuriously low Protein C & Antithrombin results
2. APC-R is highly sensitive and specific for inherited APC resistance, most commonly due to factor V Leiden mutation
3. Very high factor VIII (>400%) activity, Activated protein C resistance, Coumadin therapy & acute or chronic inflammation may cause a spuriously low Protein S result
4. Results should be clinically correlated
5. Test conducted on Citrated plasma

Comments
An imbalance between procoagulant system and regulatory mechanisms can cause excessive fibrin production leading to thrombosis. These imbalances can be genetic or acquired or due to a combination of both. It is usually a combination of mildly to moderately imbalanced factors that leads to excessive fibrin formation at the site of injury leading to vessel occlusion and thrombus formation.

Prevalence of Thrombotic risk

<table>
<thead>
<tr>
<th>RISK FACTOR</th>
<th>PREVALENCE IN GENERAL POPULATION (%)</th>
<th>PREVALENCE IN THROMBOPHILIC POPULATION (%)</th>
<th>THROMBOTIC RISK IN FOLD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decreased Antithrombin</td>
<td>&lt;0.01</td>
<td>&lt;1</td>
<td>12-20</td>
</tr>
<tr>
<td>Decreased Protein C</td>
<td>0.3</td>
<td>4-8</td>
<td>8-10</td>
</tr>
<tr>
<td>Decreased Protein S</td>
<td>0.2</td>
<td>7-12</td>
<td>10-15</td>
</tr>
<tr>
<td>Presence of APC-R</td>
<td>3-4</td>
<td>10-40</td>
<td>1.8-2.6</td>
</tr>
</tbody>
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Dr. Anil Arora
MD (Pathology)
HOD Hemat & Imm

Dr Biswadip Hazarika
MD (Pathology)
Sr. Consultant Pathologist

-------------------------------End of report --------------------------------