NOTICE OF CHANGE OF SERVICE

DATE:       August 26, 2010

TO:         House Staff Physicians, Faculty, Nursing Personnel, Primary Care Network Physicians and Nurses

FROM:       Denis Dwyre, MD, Director, Hematopahtology

RE:         D dimer Testing Changes

On Monday August 30th, 2010 the Department of Pathology and Laboratory Medicine Hematology/Hemostasis Lab will move to its new location in the Surgery and Emergency Services Pavilion. At this time, the Laboratory will switch to new instrumentation and new reagents for coagulation testing.

This change will revise reference ranges for D dimer testing. The new D-dimer method, Hemosil D-dimer HS has significantly different reporting units, reference range and DVT/PE cutoff range than previous instrumentation and method.

The Hemosil D-dimer HS reference range and cutoff value for excluding venous thromboembolism (VTE) is ≤230 ng/ml.

In-house studies verifying the performance of Hemosil D-Dimer HS for excluding VTE (pulmonary embolism/deep vein thrombosis) using ≤230 ng/ml cutoff value are listed below:

<table>
<thead>
<tr>
<th></th>
<th>VTE Positive</th>
<th>VTE Negative</th>
</tr>
</thead>
<tbody>
<tr>
<td>N=318</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D-dimer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Positive</td>
<td>32</td>
<td>158</td>
</tr>
<tr>
<td>D-dimer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Negative</td>
<td>1</td>
<td>127</td>
</tr>
</tbody>
</table>

Sensitivity: 97.0%
Specificity: 44.6%
Negative Predictive Value: 99.2%

APPROVED BY:
Lydia Howell, MD, PhD, Professor and Acting Chair
Director of Clinical Pathology
Department of Pathology and Laboratory Medicine

cc: Allan Siefkin, MD    Timothy Albertson, MD    Kurt Slapnik, MD
    Anthony Phillips, MD  Darrell O’Sullivan     Betty Clark, RN
    Richard White, MD