NOTICE OF CHANGE OF SERVICE

DATE: August 26, 2010

TO: Housestaff and PCN Physicians, Faculty, and Nursing Personnel

FROM: Sridevi Devaraj, PhD, DABCC, Director, Special Chemistry/Toxicology
Gerald Kost, MD, PhD, Director, Automated Chemistry/Urinalysis
Michael Inn, Specialist, Automated Chemistry/Urinalysis


Effective August 28, 2010 the Clinical Laboratory will begin reporting Complement C3, Complement C4, Prealbumin, IgG, IgA, IgM, and Haptoglobin results from a different automated analyzer. This analyzer, the Beckman Coulter Synchron UniCel DxC800, uses a turbidimetric method. Reference ranges for these tests have been validated with the new methodology.

- Ranges for C3, C4, Prealbumin, IgG, and IgA will not change.
- Reference ranges for IgM and Haptoglobin will change as indicated in the table below:

Table: Current and New Reference Ranges for Haptoglobin and IgM

<table>
<thead>
<tr>
<th>Test</th>
<th>Age</th>
<th>Current Reference Range</th>
<th>New Reference Range*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Haptoglobin</td>
<td>0D - 19Y</td>
<td>22 – 164 mg/dL</td>
<td>10 – 210 mg/dL</td>
</tr>
<tr>
<td></td>
<td>&gt; 19Y</td>
<td>17 – 229 mg/dL</td>
<td></td>
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<tr>
<td>Immunoglobulin M</td>
<td>0D - 1M</td>
<td>12 – 125 mg/dL</td>
<td></td>
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<tr>
<td></td>
<td>1M - 2M</td>
<td>29 – 107 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2M - 1Y</td>
<td>21 – 192 mg/dL</td>
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</tr>
<tr>
<td></td>
<td>1Y - 4Y</td>
<td>43 – 163 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4Y - 19Y</td>
<td>48 – 226 mg/dL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt;19Y</td>
<td>48 – 289 mg/dL</td>
<td>10 – 220 mg/dL</td>
</tr>
</tbody>
</table>

*Pediatric Reference Ranges have not been validated. Current ranges to remain in effect.

Note: Specimens collected for Complement C3 and Complement C4 will no longer need to be submitted to the laboratory on ice.

Please direct any questions or concerns to the Chemistry laboratory supervisor at phone # 734-3021, or pager # 762-0018.

APPROVED BY: Lydia P. Howell, MD
Professor and Chair
Department of Pathology and Laboratory Medicine

cc: Alan Siefkin, MD
    Carol Robinson, BRN
    Phillip Raimondi, MD
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    Robert Taylor
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