Appendix 1. Bias and precision of renal function estimations as a percentage difference from gentamicin clearance.

<table>
<thead>
<tr>
<th>Renal function (ml/min)</th>
<th>Bias (%</th>
<th>Precision (1 sd)</th>
<th>Within 30% of CL&lt;sub&gt;gent&lt;/sub&gt; (%)</th>
<th>Within 50% of CL&lt;sub&gt;gent&lt;/sub&gt; (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>All patients</td>
<td>Cl&lt;sub&gt;gent&lt;/sub&gt;</td>
<td>73.9</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MDRD</td>
<td>89.0</td>
<td>+29</td>
<td>44.7</td>
</tr>
<tr>
<td></td>
<td>CG&lt;sub&gt;opt&lt;/sub&gt;</td>
<td>65.9</td>
<td>-10</td>
<td>25.9</td>
</tr>
<tr>
<td>&lt;65 years (n=26)</td>
<td>Cl&lt;sub&gt;gent&lt;/sub&gt;</td>
<td>97.1</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>MDRD</td>
<td>104.8</td>
<td>+12</td>
<td>26.3</td>
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<tr>
<td></td>
<td>CG&lt;sub&gt;opt&lt;/sub&gt;</td>
<td>89.7</td>
<td>-5</td>
<td>22.7</td>
</tr>
<tr>
<td>65-80 years (n=29)</td>
<td>Cl&lt;sub&gt;gent&lt;/sub&gt;</td>
<td>64.9</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MDRD</td>
<td>77.9</td>
<td>+26</td>
<td>41.5</td>
</tr>
<tr>
<td></td>
<td>CG&lt;sub&gt;opt&lt;/sub&gt;</td>
<td>51.1</td>
<td>-16</td>
<td>28.0</td>
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<tr>
<td>&gt;80 years (n=13)</td>
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<tr>
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<td>MDRD</td>
<td>81.9</td>
<td>+69</td>
<td>57.6</td>
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<tr>
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<td>CG&lt;sub&gt;opt&lt;/sub&gt;</td>
<td>45.9</td>
<td>-4</td>
<td>25.7</td>
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