### Table S1: Comparison between progressors and non-progressors as regards clinical and laboratory data.

<table>
<thead>
<tr>
<th>Variables</th>
<th>Non-progressors (n=53)</th>
<th>Progressors (n=27)</th>
<th>P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean BP (mmHg)</td>
<td>84.82 ± 23.28</td>
<td>69.81 ± 21.64</td>
<td>0.007</td>
</tr>
<tr>
<td>APACHE II Score</td>
<td>17.79 ± 8.15</td>
<td>20.81 ± 4.60</td>
<td>0.037</td>
</tr>
<tr>
<td>Length of ICU stay (days)</td>
<td>7.02 ± 6.63</td>
<td>11.85 ± 10.96</td>
<td>0.006</td>
</tr>
<tr>
<td>Albumin (g/dL)</td>
<td>2.23 ± 0.63</td>
<td>1.84 ± 0.56</td>
<td>0.008</td>
</tr>
<tr>
<td>PO₄ (mg/dL)</td>
<td>4.19 ± 1.54</td>
<td>5.22 ± 1.71</td>
<td>0.006</td>
</tr>
<tr>
<td>Basal urea (mg/dL)</td>
<td>65.02 ± 23.54</td>
<td>89.22 ± 12.27</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Basal SCr (mg/dL)</td>
<td>1.20 ± 0.62</td>
<td>2.25 ± 0.86</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>SCr at presentation (mg/dL)</td>
<td>2.69 ± 1.94</td>
<td>3.77 ± 1.15</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>SCr at discharge (mg/dL)</td>
<td>1.81 ± 1.25</td>
<td>2.89 ± 1.15</td>
<td>&lt;0.001</td>
</tr>
</tbody>
</table>

BP: Blood Pressure, APACHE: Acute Physiology and Chronic Health Evaluation, ICU: Intensive Care Unit, PO₄: Phosphorus, SCr: Serum Creatinine

### Table S1: Comparison between progressors and non-progressors as regards clinical and laboratory data.

<table>
<thead>
<tr>
<th>Variables</th>
<th>No RRT (n=48)</th>
<th>RRT (n=32)</th>
<th>P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heart Rate (beats/min)</td>
<td>92.88 ± 20.20</td>
<td>82.38 ± 22.41</td>
<td>0.018</td>
</tr>
<tr>
<td>APACHE II Score</td>
<td>16.54 ± 7.39</td>
<td>22.22 ± 5.63</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>SOFA Score</td>
<td>7.94 ± 3.24</td>
<td>10.19 ± 3.52</td>
<td>0.008</td>
</tr>
<tr>
<td>Hb (g/dL)</td>
<td>10.63 ± 2.60</td>
<td>9.10 ± 2.60</td>
<td>0.012</td>
</tr>
<tr>
<td></td>
<td>Survivors (n=36)</td>
<td>Non-survivors (n=44)</td>
<td>P</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>------------------</td>
<td>----------------------</td>
<td>------</td>
</tr>
<tr>
<td>Variables</td>
<td>Mean ± SD</td>
<td>Mean ± SD</td>
<td></td>
</tr>
<tr>
<td>APACHE II Score</td>
<td>16.03 ± 7.87</td>
<td>21.09 ± 5.89</td>
<td>0.002</td>
</tr>
<tr>
<td>SOFA Score</td>
<td>7.31 ± 3.09</td>
<td>10.09 ± 3.37</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Plt (×10^3/mm^3)</td>
<td>211.528 ± 118.033</td>
<td>151.773 ± 107.911</td>
<td>0.008</td>
</tr>
<tr>
<td>Lactate (mEq/L)</td>
<td>1.88 ± 1.56</td>
<td>3.26 ± 1.71</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>AST (U/L)</td>
<td>99.03 ± 225.63</td>
<td>169.84 ± 288.37</td>
<td>0.008</td>
</tr>
<tr>
<td>Albumin (g/dL)</td>
<td>2.32 ± 0.62</td>
<td>1.91 ± 0.59</td>
<td>0.004</td>
</tr>
<tr>
<td>Total bilirubin (mg/dL)</td>
<td>1.06 ± 0.89</td>
<td>2.26 ± 2.36</td>
<td>0.006</td>
</tr>
<tr>
<td>PT (sec)</td>
<td>15.40 ± 3.58</td>
<td>24.06 ± 10.83</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>PTT (sec)</td>
<td>38.78 ± 8.63</td>
<td>50.58 ± 20.14</td>
<td>0.006</td>
</tr>
<tr>
<td>INR</td>
<td>1.36 ± 0.33</td>
<td>2.09 ± 0.94</td>
<td>&lt;0.001</td>
</tr>
</tbody>
</table>

Table S2: Comparison between RRT and no RRT as regards clinical and laboratory data.
Table S3: Comparison between survivors and non-survivors as regards clinical and laboratory data.

<table>
<thead>
<tr>
<th>Variables</th>
<th>Length of ICU Stay</th>
<th></th>
<th></th>
<th>SCr at Discharge</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mean ± SD</td>
<td>P</td>
<td>Mean ± SD</td>
<td>P</td>
<td></td>
</tr>
<tr>
<td>CKD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No CKD</td>
<td>8.09 ± 7.76</td>
<td>0.285</td>
<td>1.82 ± 1.21</td>
<td>&lt;0.001 *</td>
<td></td>
</tr>
<tr>
<td>Known to be CKD</td>
<td>9.96 ± 10.34</td>
<td></td>
<td>3.00 ± 1.20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HTN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not Hypertensive</td>
<td>7.31 ± 7.35</td>
<td>0.046 *</td>
<td>2.10 ± 1.31</td>
<td>0.614</td>
<td></td>
</tr>
<tr>
<td>Hypertensive</td>
<td>9.69 ± 9.39</td>
<td></td>
<td>2.23 ± 1.33</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liver Disease</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Absent</td>
<td>9.74 ± 9.75</td>
<td>0.189</td>
<td>1.90 ± 1.34</td>
<td>0.008 *</td>
<td></td>
</tr>
<tr>
<td>Present</td>
<td>7.18 ± 6.56</td>
<td></td>
<td>2.54 ± 1.21</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stage of Sepsis</th>
<th>SCr Discharge</th>
<th>SCr Progression</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Sepsis</td>
<td>10.09 ± 12.66</td>
<td>1.94 ± 1.40</td>
</tr>
<tr>
<td>SIRS</td>
<td>8.50 ± 9.27</td>
<td>1.02 ± 0.52</td>
</tr>
<tr>
<td>Sepsis</td>
<td>11.92 ± 8.61</td>
<td>1.83 ± 1.27</td>
</tr>
<tr>
<td>Severe Sepsis</td>
<td>6.58 ± 5.30</td>
<td>2.38 ± 1.37</td>
</tr>
<tr>
<td>Septic Shock</td>
<td>6.93 ± 4.10</td>
<td>2.70 ± 1.17</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Progression</th>
<th>SCr Non-progressors</th>
<th>SCr Progressors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-progressors</td>
<td>7.02 ± 6.63</td>
<td>1.81 ± 1.25</td>
</tr>
<tr>
<td>Progressors</td>
<td>11.85 ± 10.96</td>
<td>2.89 ± 1.15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Need for RRT</th>
<th>SCr No RRT</th>
<th>SCr RRT</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>7.29 ± 7</td>
<td>1.62 ± 1</td>
</tr>
<tr>
<td>Yes</td>
<td>10.69 ± 10.32</td>
<td>3 ± 1.3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ICU Mortality</th>
<th>SCr Survivors</th>
<th>SCr Non-survivors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Survivors</td>
<td>9.97 ± 10.08</td>
<td>1.37 ± 0.97</td>
</tr>
<tr>
<td>Non-survivors</td>
<td>7.57 ± 7.07</td>
<td>2.83 ± 1.2</td>
</tr>
</tbody>
</table>

*: Statistically significant at p ≤ 0.05, ICU: Intensive Care Unit, SCr: Serum Creatinine, CKD: Chronic Kidney Disease, HTN: Hypertension, SIRS: Systemic Inflammatory Response Syndrome, RRT: Renal Replacement Therapy

Table S4: Associations between the length of ICU stay and SCr at discharge and different clinical conditions.
<table>
<thead>
<tr>
<th>Variables</th>
<th>Length of ICU Stay</th>
<th></th>
<th>SCr at Discharge</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>r</td>
<td>P</td>
<td>r</td>
<td>P</td>
</tr>
<tr>
<td>Age</td>
<td>0.005</td>
<td>0.964</td>
<td>0.258</td>
<td>0.021*</td>
</tr>
<tr>
<td>APACHE II Score</td>
<td>0.137</td>
<td>0.225</td>
<td>0.568</td>
<td>&lt;0.001*</td>
</tr>
<tr>
<td>SOFA Score</td>
<td>0.026</td>
<td>0.821</td>
<td>0.524</td>
<td>&lt;0.001*</td>
</tr>
<tr>
<td>Hb</td>
<td>-0.081</td>
<td>0.478</td>
<td>-0.326</td>
<td>0.003*</td>
</tr>
<tr>
<td>Plt</td>
<td>-0.043</td>
<td>0.704</td>
<td>-0.268</td>
<td>0.016*</td>
</tr>
<tr>
<td>Lactate</td>
<td>0.04</td>
<td>0.722</td>
<td>0.355</td>
<td>0.001*</td>
</tr>
<tr>
<td>AST</td>
<td>-0.238</td>
<td>0.033*</td>
<td>0.14</td>
<td>0.216</td>
</tr>
<tr>
<td>ALT</td>
<td>-0.372</td>
<td>0.001*</td>
<td>-0.062</td>
<td>0.587</td>
</tr>
<tr>
<td>Albumin</td>
<td>-0.217</td>
<td>0.054</td>
<td>-0.377</td>
<td>0.001*</td>
</tr>
<tr>
<td>PT</td>
<td>-0.152</td>
<td>0.177</td>
<td>0.306</td>
<td>0.006*</td>
</tr>
<tr>
<td>PTT</td>
<td>-0.065</td>
<td>0.568</td>
<td>0.307</td>
<td>0.006*</td>
</tr>
<tr>
<td>INR</td>
<td>-0.142</td>
<td>0.210</td>
<td>0.312</td>
<td>0.005*</td>
</tr>
<tr>
<td>Na</td>
<td>0.149</td>
<td>0.186</td>
<td>-0.257</td>
<td>0.021*</td>
</tr>
<tr>
<td>Ca</td>
<td>-0.339</td>
<td>0.002*</td>
<td>0.007</td>
<td>0.953</td>
</tr>
<tr>
<td>PO₄</td>
<td>0.120</td>
<td>0.290</td>
<td>0.245</td>
<td>0.029*</td>
</tr>
<tr>
<td>Basal urea</td>
<td>0.056</td>
<td>0.619</td>
<td>0.609</td>
<td>&lt;0.001*</td>
</tr>
<tr>
<td>Basal SCr</td>
<td>0.141</td>
<td>0.211</td>
<td>0.707</td>
<td>&lt;0.001*</td>
</tr>
<tr>
<td>SCr at Presentation</td>
<td>0.156</td>
<td>0.167</td>
<td>0.768</td>
<td>&lt;0.001*</td>
</tr>
</tbody>
</table>

| Thromboplastin Time, INR: International Normalized Ratio, Na: Sodium, Ca: Calcium, PO₄: Phosphorus |

**Table S5**: Correlations between the length of ICU stay and SCr at discharge and different clinical and laboratory parameters.