Supplementary table 4. Changes in laboratory values over time according to the clinical course of ACLF in patients with ACLF at baseline and a sample available at day 0-2 and day 3-7 (n=100).

<table>
<thead>
<tr>
<th>Variable</th>
<th>All patients (n=100)</th>
<th>Patients with improvement of ACLF course (n=52)</th>
<th>Patients with steady or worsening ACLF course (n=48)</th>
<th>p-value*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copeptin day 0-2</td>
<td>36 (17-64)</td>
<td>32 (14-58)</td>
<td>41 (21-86)</td>
<td>0.152</td>
</tr>
<tr>
<td>Copeptin day 3-7</td>
<td>29 (11-55)</td>
<td>22 (10-36)</td>
<td>43 (21-70)</td>
<td>0.003</td>
</tr>
<tr>
<td>Delta copeptin</td>
<td>-3 (-29-9)</td>
<td>-4 (-31-5)</td>
<td>4 (-29-21)</td>
<td>0.137</td>
</tr>
<tr>
<td>Creatinine day 0-2</td>
<td>2.2 (1.1-3.2)</td>
<td>2.0 (0.9-2.7)</td>
<td>2.6 (1.7-3.7)</td>
<td>0.007</td>
</tr>
<tr>
<td>Creatinine day 3-7</td>
<td>1.4 (1.0-2.2)</td>
<td>1.2 (0.8-1.5)</td>
<td>1.7 (1.3-3.6)</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Delta creatinine</td>
<td>-0.3 (-1.2-0.0)</td>
<td>-0.4 (-1.1-0.0)</td>
<td>-0.3 (-1.3-0.1)</td>
<td>0.712</td>
</tr>
<tr>
<td>Sodium day 0-2</td>
<td>135 (130-138)</td>
<td>135 (131-139)</td>
<td>134 (127-138)</td>
<td>0.209</td>
</tr>
<tr>
<td>Sodium day 3-7</td>
<td>136 (133-141)</td>
<td>137 (133-141)</td>
<td>136 (133-141)</td>
<td>0.814</td>
</tr>
<tr>
<td>Delta sodium</td>
<td>2 (-2-8)</td>
<td>1 (-3-7)</td>
<td>4 (0-9)</td>
<td>0.083</td>
</tr>
<tr>
<td>CRP day 0-2</td>
<td>28 (13-51)</td>
<td>32 (16-55)</td>
<td>20 (7-45)</td>
<td>0.108</td>
</tr>
<tr>
<td>CRP day 3-7</td>
<td>22 (11-39)</td>
<td>20 (11-36)</td>
<td>25 (11-49)</td>
<td>0.373</td>
</tr>
<tr>
<td>Delta CRP</td>
<td>-3 (-17-3)</td>
<td>-7 (-31-11)</td>
<td>0.2 (-6.6-13.7)</td>
<td>0.005</td>
</tr>
<tr>
<td>Leucocytes day 0-2</td>
<td>9.0 (5.2-13.2)</td>
<td>9.1 (4.8-12.8)</td>
<td>8.9 (5.2-13.5)</td>
<td>0.566</td>
</tr>
<tr>
<td>Leucocytes day 3-7</td>
<td>7.4 (4.3-12.2)</td>
<td>7.3 (3.9-11.7)</td>
<td>8.3 (5.8-14.2)</td>
<td>0.146</td>
</tr>
<tr>
<td>Delta leucocytes</td>
<td>-0.4 (-2.9-1.8)</td>
<td>-0.5 (-3.5-1.1)</td>
<td>-0.1 (-2.7-2.6)</td>
<td>0.341</td>
</tr>
<tr>
<td>Bilirubin day 0-2</td>
<td>6.1 (2.0-16.0)</td>
<td>3.9 (1.7-12.5)</td>
<td>9.9 (2.5-19.0)</td>
<td>0.038</td>
</tr>
<tr>
<td>Bilirubin day 3-7</td>
<td>6.3 (2.5-16.9)</td>
<td>4.7 (2.1-10.4)</td>
<td>13 (3-20)</td>
<td>0.028</td>
</tr>
<tr>
<td>Delta bilirubin</td>
<td>0.2 (-1.0-1.7)</td>
<td>0.2 (-1.1-1.6)</td>
<td>0.2 (-1.0-2.0)</td>
<td>0.743</td>
</tr>
<tr>
<td>INR day 0-2</td>
<td>1.7 (1.4-2.2)</td>
<td>1.6 (1.3-2.1)</td>
<td>1.8 (1.4-2.4)</td>
<td>0.087</td>
</tr>
<tr>
<td>INR day 3-7</td>
<td>1.8 (1.4-2.3)</td>
<td>1.6 (1.3-1.9)</td>
<td>1.9 (1.5-2.8)</td>
<td>0.010</td>
</tr>
<tr>
<td>Delta INR</td>
<td>0.0 (-0.2-0.2)</td>
<td>0.0 (-0.2-0.1)</td>
<td>0.1 (-0.1-0.3)</td>
<td>0.034</td>
</tr>
<tr>
<td>MAP day 0-2</td>
<td>80 (72-89)</td>
<td>81 (74-89)</td>
<td>79 (67-89)</td>
<td>0.608</td>
</tr>
<tr>
<td>MAP day 3-7</td>
<td>81 (74-87)</td>
<td>83 (75-86)</td>
<td>80 (73-90)</td>
<td>0.706</td>
</tr>
<tr>
<td>Delta MAP</td>
<td>0 (-8-8)</td>
<td>-0.8 (-7.5-8.3)</td>
<td>3 (-11-10)</td>
<td>0.633</td>
</tr>
<tr>
<td>SBP day 0-2</td>
<td>115 (100-130)</td>
<td>115 (104-129)</td>
<td>114 (95-130)</td>
<td>0.481</td>
</tr>
<tr>
<td>SBP day 3-7</td>
<td>112 (104-125)</td>
<td>110 (105-122)</td>
<td>115 (102-129)</td>
<td>0.787</td>
</tr>
<tr>
<td>Delta SBP</td>
<td>0 (-15-11)</td>
<td>-4 (-15-9)</td>
<td>5 (-16-15)</td>
<td>0.254</td>
</tr>
<tr>
<td>DBP day 0-2</td>
<td>63 (52-70)</td>
<td>62 (52-70)</td>
<td>63 (54-70)</td>
<td>0.969</td>
</tr>
<tr>
<td>DBP day 3-7</td>
<td>61 (60-70)</td>
<td>61 (60-70)</td>
<td>62 (55-70)</td>
<td>0.899</td>
</tr>
<tr>
<td>Delta DBP</td>
<td>0 (-7-10)</td>
<td>0 (-5-0)</td>
<td>0 (-10-10)</td>
<td>0.855</td>
</tr>
<tr>
<td>CLIF-C OF day 0-2</td>
<td>10 (9-11)</td>
<td>10 (9-11)</td>
<td>10 (9-12)</td>
<td>0.467</td>
</tr>
<tr>
<td>CLIF-C OF day 3-7</td>
<td>10 (8-11)</td>
<td>8 (7-10)</td>
<td>11 (9-13)</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Delta CLIF-OF</td>
<td>-1 (-1-0)</td>
<td>-1 (-2-1)</td>
<td>0 (-3-1)</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>MELD day 0-2</td>
<td>26 (22-31)</td>
<td>23 (19-28)</td>
<td>29 (25-34)</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>MELD day 3-7</td>
<td>25 (20-31)</td>
<td>21 (17-25)</td>
<td>29 (26-36)</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Delta MELD</td>
<td>-1 (-4-1)</td>
<td>-2 (-6-0)</td>
<td>1 (-2-3)</td>
<td>0.002</td>
</tr>
</tbody>
</table>

Delta, value at day 3-7 minus day 0-2; ACLF, acute-on-chronic liver failure; CRP, C-reactive protein; INR, international normalized ratio; MAP, mean arterial blood pressure; SBP, systolic blood pressure; DBP, diastolic blood pressure; CLIF-C OF, CLIF-Consortium organ failure score; MELD, model for end-stage liver disease.