Salt based Or baLanced solUtion. Trends Existing in Indian intensive care units. A multicenter prospective observational cohort study (SOLUTE study)

An ISCCM Research Project

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APPENDIX

List of Abbreviations

AKI Acute Kidney Injury
APACHE II Acute Physiology And Chronic Health Evaluation II
BE Base excess
5% D 5% Dextrose
Hb Hemoglobin
HCO₃ Bicarbonate
ICU Intensive Care Unit
KDIGO Kidney Disease Improving Global Outcomes
LOS Length of Stay
NS Normal Saline
pCO₂ Partial pressure of carbon dioxide
pO₂ Partial pressure of oxygen
RIFLE Risk, Injury, Failure, Loss, End stage
RRT Renal Replacement Therapy
SOFA Sequential Organ Failure Assessment
TPN Total Parenteral Nutrition

Definitions

Bolus fluid: Fluid more than 5ml/kg/hr administered within one hour

Maintenance fluid: Fluid which is given continuously to meet the daily fluid requirement

Replacement fluid: Fluid which is given for replacement of losses like drain losses, gastric tube losses or given as dilution for antibiotics and other medications
APACHE II SCORE

The score is calculated from patient’s age and 12 routine physiological measurements with the score ranging from 0 to 71:

1. PaO2 (depending on FiO2)
2. Rectal Temperature
3. Mean arterial pressure
4. pH arterial
5. Heart Rate
6. Respiratory rate
7. Sodium
8. Potassium
9. Creatinine
10. Hematocrit
11. White blood cell
12. Glasgow coma scale
## SOFA SCORE

<table>
<thead>
<tr>
<th>SOFA Score</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
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</thead>
<tbody>
<tr>
<td><strong>Respiration</strong>&lt;br&gt;PaO$_2$/FiO$_2$, mm Hg</td>
<td>&lt; 400</td>
<td>&lt; 300</td>
<td>&lt; 200, with respiratory support</td>
<td>&lt; 100, with respiratory support</td>
</tr>
<tr>
<td><strong>Coagulation</strong>&lt;br&gt;Platelets x $10^3$/mm$^3$</td>
<td>&lt; 150</td>
<td>&lt; 100</td>
<td>&lt; 50</td>
<td>&lt; 20</td>
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<tr>
<td><strong>Liver</strong>&lt;br&gt;Bilirubin, mg/dl (umol/l)</td>
<td>1.2 – 1.9 (20 – 32)</td>
<td>2.0 – 5.9 (33 – 101)</td>
<td>6.0 – 11.9 (102 – 204)</td>
<td>&gt; 12.0 (&gt; 204)</td>
</tr>
<tr>
<td><strong>Cardiovascular</strong>&lt;br&gt;Hypotension</td>
<td>MAP &lt; 70 mm Hg</td>
<td>Dopamine ≤ 5 or Dobutamine (any dose)$^a$</td>
<td>Doapmine &gt; 5 or Epinephrine ≤ 0.1 or Norepinephrine ≤ 0.1</td>
<td>Dopamine &gt; 15 or Epinephrine &gt; 0.1 or Norepinephrine &gt; 0.1</td>
</tr>
<tr>
<td><strong>Central nervous system</strong>&lt;br&gt;Glasgow coma score</td>
<td>13 – 14</td>
<td>10 – 12</td>
<td>6 – 9</td>
<td>&lt; 6</td>
</tr>
<tr>
<td><strong>Renal</strong>&lt;br&gt;Creatinine, mg/dl (umol/l) or urine output</td>
<td>1.2 – 1.9 (110 – 170)</td>
<td>2.0 – 3.4 (171 – 299)</td>
<td>3.5 – 4.9 (300 – 440) or &lt; 500 ml/day</td>
<td>&gt; 5.0 (&gt; 440) or &lt; 200 ml/day</td>
</tr>
</tbody>
</table>

$^a$ Adrenergic agents administered for at least 1 h (doses given are in ug/kg/min)