

# APACHE II Worksheet (Form C)

Patient _____
---------------

Record values from the first 24 hours from admission to ICU.

1	<b>Temperature</b> – rectal or core (°C) (If °F, use conversion factor: $- 32 \div 1.8$ )				
2	a. <b>Systolic Blood Pressure (mmHg)</b> b. <b>Diastolic Blood Pressure (mmHg)</b>				
3	<b>Heart Rate</b> (Ventricular Response)				
4	<b>Resp. Rate</b> (non-ventilated or ventilated)				
5	<b>Oxygenation:</b> a. If $FiO_2 \geq 0.5$ record the $FiO_2$ , $PaCO_2$ , and the $PaO_2$ b. If $FiO_2 < 0.5$ record only $PaO_2$ If <b>NO</b> arterial blood gases check here <input type="checkbox"/> (assumes normal oxygenation and scores "0")				
6	<b>Arterial pH</b>				
7	<b>Serum Sodium</b> (mmol/L or mEq/L)				
8	<b>Serum Potassium</b> (mmol/L or mEq/L)				
9	<b>Serum Creatinine</b> ( $\mu$ mol/L) (If mg/dl, use conversion factor: $\times 88.4$ ) <input type="checkbox"/> If patient is in acute renal failure, check here <input type="checkbox"/>				
10	<b>Hematocrit</b> (%) (If fraction, use conversion factor $\times 100$ )				
11	<b>White Blood Count</b> (total/ $mm^3$ ) (in 1000s)				
12.	<b>Glasgow Coma Score (GCS)</b> (Choose one option for each box) <table style="width: 100%; margin-top: 10px;"> <tr> <td style="border: 1px solid black; padding: 5px; width: 33%;"> <b>Eye Opening</b>                      4 – Spontaneous                      3 – To speech                      2 – To pain                      1 – None                 </td> <td style="border: 1px solid black; padding: 5px; width: 33%;"> <b>Verbal Response</b>                      5 – Oriented                      4 – Confused                      3 – Inappropriate words                      2 – Incomprehensible words                      1 – Incomprehensible sounds                 </td> <td style="border: 1px solid black; padding: 5px; width: 33%;"> <b>Best Motor Response</b>                      6 – Obeys commands                      5 – Localizes to pain                      4 – Withdraws from pain                      3 – Abnormal flexion                      2 – Extension                      1 – None                 </td> </tr> </table>		<b>Eye Opening</b> 4 – Spontaneous 3 – To speech 2 – To pain 1 – None	<b>Verbal Response</b> 5 – Oriented 4 – Confused 3 – Inappropriate words 2 – Incomprehensible words 1 – Incomprehensible sounds	<b>Best Motor Response</b> 6 – Obeys commands 5 – Localizes to pain 4 – Withdraws from pain 3 – Abnormal flexion 2 – Extension 1 – None
<b>Eye Opening</b> 4 – Spontaneous 3 – To speech 2 – To pain 1 – None	<b>Verbal Response</b> 5 – Oriented 4 – Confused 3 – Inappropriate words 2 – Incomprehensible words 1 – Incomprehensible sounds	<b>Best Motor Response</b> 6 – Obeys commands 5 – Localizes to pain 4 – Withdraws from pain 3 – Abnormal flexion 2 – Extension 1 – None			
13	<b>Serum HCO<sub>3</sub></b> (venous-mmol/L or mEq/L) If <b>NO</b> arterial blood gases, replaces arterial pH and assumes normal oxygenation.				
14.	<b>Age</b>				
15.	<b>Chronic Health Points.</b> If the patient has a history of severe organ system insufficiency (see definitions below) <b>or</b> is immuno-compromised assign points as follows. <div style="border: 1px solid black; padding: 10px; margin: 10px 0;">                     5- For non-operative or emergency postoperative patients                      2- For elective postoperative patients                      0- If patient does NOT have a history of severe organ system insufficiency and is NOT immuno-compromised.                 </div> <p><b>Chronic Health Definitions</b>                  Organ insufficiency or immuno-compromised state evident prior to this hospital admission and are consistent with the following criteria:  <b>Liver:</b> Biopsy-proven cirrhosis and documented portal hypertension; prior episodes of upper GI bleeding attributed to portal hypertension; or prior episodes of hepatic failure/encephalopathy/coma  <b>Cardiovascular:</b> New York Heart Association Class IV  <b>Respiratory:</b> Chronic restrictive, obstructive, or vascular disease resulting in severe exercise restriction (i.e., unable to climb stairs or perform activities of daily living or household duties; or documented chronic hyposia, hypercapnia, secondary polycythemia, severe pulmonary hypertension (&gt;40 mmHg), or ventilator dependency  <b>Renal:</b> Receiving chronic dialysis  <b>Immuno-Compromised:</b> The patient has received therapy that suppresses resistance to infection (i.e., immuno-suppressive treatment, chemotherapy, radiation, long term or recent high dose steroids, or has a disease that is sufficiently advanced to suppress resistance to infection (i.e., leukaemia, lymphoma, AIDS)</p>				