Title of data: Data collection tool for extracorporeal membrane oxygenation consults

Description of data: A template for data collection of patient characteristics important to patient selection in extracorporeal membrane oxygenation for acute respiratory failure.

Patient name: ______________________ Age: ______ Sex: M F
Height: _____(in) Weight: _____(lbs) Allergies: __________________________
Referring hospital: ______________ Contact (name/#): ________________________
Hospital admit date: ______________ ICU admit date: _______________________ 
Vascular anomalies: ______ CVC/A-line sites: ______ Chest tube site: ______
Cardiac arrest: Y N If yes, duration:______ neuro exam:_____________________
Intubation date(s):________________ Days of IMV:_____________________
Most recent: ABG:____________ IMV settings:________________________
Most recent labs: Plateau pressure: _______ Autopeep: _______
                          Lactate:______
                          Troponin:_______
Sedation:_________________________ Vasopressors:_____________________
Paralysis: Y____N____ INO: Y____N____ Flolan: Y____N____ Prone: Y____N:____
HFOV Y____N____ Tracheostomy: Y____N____ CRRT: Y____N____

Past medical history:

History of present illness (consider volume status, neuro exam, severity of shock, trajectory of cardiac/respiratory failure):

Provider Receiving Consult: ____________________________
Date of consult: __________ Time of consult: ______________
Status: ACCEPT DECLINE
Rationale for decision:
Probability that patient will survive hospitalization without ECMO? ______(0-100%)
Probability that patient will survive hospitalization with ECMO? ______(0-100%)
Supplement 2

Title of data: Priority Scoring System for COVID-19 Acute Respiratory Distress Syndrome patients

Description of data: Modified Minnesota scoring tool for patients with COVID-19 associated acute respiratory distress syndrome to guide patient selection decisions during triage

**Priority Scoring System for COVID-19 ARDS Patients**

- **Step 1: Age Score (range 0 to 8 points)**
  - <30 years → 0 points
  - 31-40 years → 1 point
  - 41-50 years → 3 points
  - 51-55 years → 6 points
  - 56-60 years → 9 points

- **Step 2: Non-Respiratory SOFA Score (range 0 to 20 points)**
  - Notes:
    - Sum of the Coagulation, Liver, Cardiovascular, Nervous System, and Renal components of SOFA score
    - INR > 2 without anticoagulation earns 4 points for Coagulation component of SOFA Score
    - No Nervous System points earned for patients receiving deep sedation
    - Receipt of RRT earns 4 points for Renal component of SOFA Score

- **Step 3: Charleston Comorbidity Index (range 0 to 33 points)**
  - Notes:
    - [https://www.mdcalc.com/charlson-comorbidity-index-cci](https://www.mdcalc.com/charlson-comorbidity-index-cci)
    - Charlson comorbidity index without age component

- **Step 4: Calculate Overall Priority Score (range 0 to 62)**
  - Overall Priority Score = Age score + Non-respiratory SOFA score + Charleston Comorbidity Index
  - Interpretation:
    - Green = 0 to 5
    - Yellow = 6 to 10
    - Red = >10

<table>
<thead>
<tr>
<th>System</th>
<th>Score</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
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<tbody>
<tr>
<td>Coagulation</td>
<td></td>
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<tr>
<td>Platelets, x10³/µL</td>
<td>&gt;350</td>
<td>&lt;150</td>
<td>&lt;100</td>
<td>&lt;50</td>
<td>&lt;20</td>
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<td>Liver</td>
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<tr>
<td>Bilirubin, µmol/L</td>
<td>&lt;1.2</td>
<td>1.2-1.9 (20-32)</td>
<td>2.0-5.9 (13-30)</td>
<td>6.0-11.5 (102-204)</td>
<td>&gt;12.0 (204)</td>
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<tr>
<td>Cardiovascular</td>
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<tr>
<td>MAP &gt;70 mm Hg</td>
<td>MAP &gt;70 mm Hg</td>
<td>Dopamine &lt;5 or dobutamine (mg/kg)</td>
<td>Dopamine 5-15 or epinephrine 0.1 or norepinephrine 0.1</td>
<td>Dopamine &gt;15 or epinephrine &gt;0.1 or norepinephrine &gt;0.1</td>
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<td>Central nervous system</td>
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<tr>
<td>Glasgow Coma Scale score</td>
<td>15</td>
<td>13-14</td>
<td>10-12</td>
<td>6-9</td>
<td>&gt;6</td>
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<tr>
<td>Renal</td>
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<tr>
<td>Creatinine, µmol/L</td>
<td>&lt;1.2</td>
<td>1.2-1.9 (110-170)</td>
<td>2.0-3.4 (171-299)</td>
<td>3.5-4.9 (300-440)</td>
<td>&gt;5.0 (440)</td>
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<tr>
<td>Urine output, ml/h</td>
<td>&lt;500</td>
<td>&gt;500</td>
<td>&gt;200</td>
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