### WORLD-RENOVATED FACULTY

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### AGENDA

<table>
<thead>
<tr>
<th>Time</th>
<th>Day 1</th>
<th>Day 2</th>
<th>Day 3</th>
<th>Day 4</th>
<th>Day 5</th>
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<tbody>
<tr>
<td>0700 – 0800</td>
<td>Introduction</td>
<td></td>
<td>Mechanical ventilation theory 1 (Hopper)</td>
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<td>Advanced ventilation simulations (Boysen, Fletcher, Goggs, Hopper, Rozanski, Schoeffler)</td>
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<td>0800 – 0900</td>
<td>CV physiology 1 – The heart as a pump (DeFrancesco)</td>
<td>Point of care echo 1 (DeFrancesco)</td>
<td>Mechanical ventilation theory 2 (Hopper)</td>
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<td>0900 – 1000</td>
<td>CV physiology 2 – Blood flow dynamics and regulation (Shih)</td>
<td>Point of care echo 2 (DeFrancesco)</td>
<td>Coffee break</td>
<td>CPR simulations (Fletcher, Hopper, Rozanski, Schoeffler, Silverstein)</td>
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<tr>
<td>1000 – 1030</td>
<td>Coffee break</td>
<td>Coffee break</td>
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<td>Coffee break</td>
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<td>1030 – 1130</td>
<td>Cardiovascular regulation and the pathophysiology of shock (Schoeffler)</td>
<td>Post-cardiac arrest care and future directions in CPR – ITD, E-CPR, TTM, etc. (Fletcher)</td>
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<td>1130 – 1230</td>
<td>Perfusion assessment and the microcirculation (Goggs)</td>
<td>CD monitoring 1: Principles (Shih)</td>
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<td>Illustrated physiology / Basic mechanical ventilation lab (Fletcher, Goggs, Hopper, Rozanski, Silverstein)</td>
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<tr>
<td>1230 – 1330</td>
<td>Lunch</td>
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<td>1330 – 1430</td>
<td>Fluid resuscitation and the use of vasopressors and inotropes (Boysen)</td>
<td>CO monitoring 2: Putting it into practice – using the information (Shih)</td>
<td>Advanced thoracic imaging: CT, CTPA, PET (Scrivani)</td>
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<td>Cardiopulmonary crisis simulations (Fletcher, Goggs, Hopper, Rozanski, Schoeffler, Shih)</td>
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<td>1430 – 1530</td>
<td>Colloids, crystalloids and the glycocalyx (Fletcher)</td>
<td>Respiratory physiology 1 (Silverstein)</td>
<td>Ultrasound and procedures lab - Echo, lung ultrasound, vascular access, tracheostomy, thoracostomy tubes (Boysen, DeFrancesco, Pariaut, Schoeffler, Shih)</td>
<td>Illustrated physiology / Basic mechanical ventilation lab (Fletcher, Goggs, Hopper, Rozanski, Silverstein)</td>
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<td>1530 – 1600</td>
<td>Coffee break</td>
<td>Coffee break</td>
<td>CPR simulations (Fletcher, Hopper, Rozanski, Schoeffler, Silverstein)</td>
<td>Cardiac output lab - NICO, NICOM, LIDCO, PAC, TEE (Shih, Boysen, DeFrancesco, Goggs, Martin-Flores)</td>
<td>Wrap up and feedback</td>
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<td>1600 – 1700</td>
<td>ECG interpretation for E and CC (Pariaut)</td>
<td>Respiratory physiology 2 (Silverstein)</td>
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<td>1700 – 1800</td>
<td>Cardiopulmonary bypass, ECMO</td>
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<td>Dinner Event</td>
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<td>1800 –</td>
<td>Dinner Event</td>
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