08.00 – 08.45  Registration

08.45 – 09.00  Introduction
Dr Roop Kishen

**KEYNOTE ADDRESS**

09.00 – 09.30  Non-antibiotic solutions for pan-resistant microbial pathogens
Prof Steven Opal

**SEPSIS 1**

**Chairpersons:** Prof Paul Dark & Prof Fang Gao Smith

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>09.35 – 09.50</td>
<td>New sepsis guidelines, facts and controversies</td>
<td>Prof Richard Beale</td>
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<tr>
<td>09.50 – 10.05</td>
<td>Practical implication on a national scale</td>
<td>Dr Ron Daniels</td>
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<tr>
<td>10.05 – 10.20</td>
<td>Host pathogen interactions</td>
<td>Prof Peter Pickkers</td>
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<tr>
<td>10.20 – 10.35</td>
<td>Sepsis biomarkers - where do we stand?</td>
<td>Prof Jean-Daniel Chiche</td>
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<td>10.35 – 10.50</td>
<td>Questions</td>
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<td>10.50 – 11.10</td>
<td>Coffee Break</td>
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**TOPICS 1**

**Chairpersons:** Prof Jean-Daniel Chiche & Prof Danny McAuley

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11.10 – 11.25</td>
<td>Lessons learnt from emergency healthcare responses to</td>
<td>Prof Paul Dark</td>
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<td>the Manchester Arena bombing</td>
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<td>11.25 – 11.40</td>
<td>Risk stratification and management of the high risk surgical patient</td>
<td>Dr Murillo Santucci Cesar de Assunção</td>
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<td>11.40 – 11.55</td>
<td>The carmal total artificial heart: where are we up to?</td>
<td>Prof Bernard Cholley</td>
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<tr>
<td>11.55 – 12.10</td>
<td>Hospital readmissions in ICU survivors</td>
<td>Dr Nazir Lone</td>
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<td>12.10 – 12.30</td>
<td>Questions</td>
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**SEMINARI ROOM 1**

**FLUIDS**

**Chairpersons:** Dr Roop Kishen & Prof Michel Slama

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09.35 – 09.50</td>
<td>What is the ideal fluid in Critical Care?</td>
<td>Dr Roop Kishen</td>
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<tr>
<td>09.50 – 10.05</td>
<td>Fluid resuscitation - when to stop fluid administration</td>
<td>Prof Jan De Waele</td>
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<tr>
<td>10.05 – 10.20</td>
<td>Albumin in sepsis</td>
<td>Prof Yasser Sakr</td>
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<td>10.35 – 11.00</td>
<td>Questions</td>
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**SEMINARI ROOM 2**

**SEPSIS - MANIFESTATIONS, DIAGNOSIS & MONITORING**

**Chairpersons:** Prof Richard Beale & Dr Ron Daniels

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
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<tbody>
<tr>
<td>11.00 – 11.15</td>
<td>Fever - friend or foe?</td>
<td>Prof Steven Opal</td>
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<tr>
<td>11.15 – 11.30</td>
<td>Maternal sepsis</td>
<td>Prof Fang Gao Smith</td>
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<tr>
<td>11.30 – 11.45</td>
<td>Septic shock and ARDS</td>
<td>Prof Richard Beale</td>
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<tr>
<td>11.45 – 12.15</td>
<td>Holistic Critical Care ultrasound - can rapidly document</td>
<td>Prof Daniel Lichtenstein</td>
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<td>a source of sepsis</td>
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**SEMINARI ROOM 3**

Acid-base - Stewart’s approach
Dr Roop Kishen

**SEMINARI ROOM 4**

How not to run an incident investigation in your unit
Dr Paul Barach
### Main Auditorium

#### Pro-Con Debate
**Chairperson:** Dr Andrew Bentley

- **An ICU follow-up clinic is too late for survivors**
  - **12.30 – 12.45** **PRO**
    - Prof Tim Walsh
  - **12.45 – 13.00** **CON**
    - Dr Peter Spronk
  - **13.00 – 13.10** Questions
  - **13.10 – 14.00** Lunch

#### ARDS
**Chairpersons:** Prof Tim Walsh & Dr Murillo Santucci Cesar de Assunção

- **14.00 – 14.15** Fluid management in ARDS
  - Prof Jean-Louis Teboul
- **14.15 – 14.30** Human models to define new treatments for ARDS
  - Prof Danny McAuley
- **14.30 – 14.45** Use of stem cells in ARDS
  - Prof Geoff Bellingan
- **14.45 – 15.00** Future therapies in ARDS
  - Prof Danny McAuley
  - **15.00 – 15.20** Questions
  - **15.20 – 15.30** Coffee Break

#### Rehabilitation
See next page

### Seminar Room 1

#### Sepsis - Manifestations, Diagnosis & Monitoring (continued)
**Chairpersons:** Prof Richard Beale & Dr Ron Daniels

- **12.15 – 12.30** How should you choose haemodynamic monitoring in septic shock patients?
  - Prof Jean-Louis Teboul
- **12.30 – 12.50** Questions
- **12.50 – 13.50** Lunch

#### Sepsis - Management 1
**Chairpersons:** Dr Adrian Wong & Dr Marlies Ostermann

- **13.50 – 14.05** Source control in septic shock
  - Prof Jan De Waele
- **14.05 – 14.20** Septic shock: is the endotoxin removal an option?
  - Prof Massimo Antonelli
- **14.20 – 14.35** Volume optimisation in sepsis: understanding the evidence
  - Prof Yasser Sakr
- **14.35 – 14.50** Practical use of vasopressors in septic shock
  - Prof Jean-Louis Teboul
  - **14.50 – 15.05** Questions
  - **15.05 – 15.30** Coffee Break

#### Sepsis - Management 2
See next page

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### Tutorials / Workshops

#### Seminar Room 3
Safety in ICU
- Prof Jean-Daniel Chiche
- Dr Paul Barach

#### Seminar Room 4
Tricks in ICU
- Dr Eric Hodgson

#### Seminar Room 5
Practical bronchoscopy for ICU (Limited places)
- Dr Suveer Singh
REHABILITATION

Chairpersons: Dr Nazir Lone & Dr Deepak Govil

15.50 – 16.05 What quality indicators should we use for ICU rehabilitation? Prof Tim Walsh

16.05 – 16.20 Engaging the patient in rehabilitation - interactive gaming is the future Dr Peter Spronk

16.20 – 16.35 Animal assisted activity in ICU Dr Eric Hodgson

16.35 – 16.50 Evidence for physical rehabilitation across the recovery continuum and the "evidence reality” gap Dr Bronwen Connolly

16.50 – 17.05 Rehabilitation post-ICU - the REVIVE trial Prof Danny McAuley

17.05 – 17.30 Questions

SEPSIS - MANAGEMENT 2

Chairpersons: Prof Steven Opal & Dr Miguel Tavares

15.30 – 15.45 Alkaline phosphatase for sepsis induced AKI Prof Peter Pickkers

15.45 – 16.00 EGDT in sepsis for 2018 Prof Jean-Daniel Chiche

16.00 – 16.15 Sepsis bundles in a resource limited country Dr Murillo Santucci Cesar de Assunção

16.15 – 16.30 Questions

EDUCATION

Chairpersons: Associate Prof Aarti Sarwal & Prof Peter Pickkers

16.30 – 16.45 POCUS in Intensive Care Dr Jonathan Wilkinson

16.45 – 17.00 Stimulation for education in ICU: new scopes and scenarios Associate Prof Aarti Sarwal

17.00 – 17.15 Social media - from tweets to bedside Dr Adrian Wong

17.15 – 17.30 Questions

SYMPOSIUM DINNER

Admission by pre-booked ticket only

Venue: Directors Suite The Principal Manchester Oxford Street Manchester M60 7HA

AFTER DINNER SPEECH

Have we got sepsis wrong? Dr Paul Barach
### MAIN AUDITORIUM

#### KEYNOTE ADDRESS

**Chairperson:** Dr Roop Kishen  
**Time:** 09.00 – 09.30  
**Title:** 50 years of ARDS: what has been changed?  
**Presenter:** Prof Massimo Antonelli

#### NUTRITION

**Chairpersons:** Dr Bronwen Connolly & Dr Ravi Kumar  
**Time:** 09.35 – 10.05  
**Topic:** A standard bag of TPN vs custom made ones - what is the point?  
**Presenter:** Dr Adrian Wong

#### PRO-CON DEBATE

**Chairperson:** Dr Paul Barach  
**Time:** 11.00 – 11.45  
**Topic:** Can expenses in ICU be brought under control? ECMO, blood purification, stem cell and LVADs etc. for ALL  
**PRO:** Prof Jean-Daniel Chiche  
**CON:** Prof Richard Beale

#### TUTORIALS / WORKSHOPS

**Time:** 09.35 – 10.45  
**SEMINAR ROOM 3**  
**Title:** Telemedicine  
**Presenters:** Prof Richard Beale

**SEMINAR ROOM 4**  
**Title:** Ultrasound of diaphragm during mechanical ventilation  
**Presenters:** Associate Prof Aarti Sarwal & Associate Prof Jose L. Diaz-Gomez

**SEMINAR ROOM 5**  
**Title:** Practical bronchoscopy for ICU (Limited places)  
**Presenter:** Dr Suveer Singh

### SEMINAR ROOM 1

#### ARDS 2

**Chairpersons:** Prof Xavier Monnet & Prof Geoff Bellingan  
**Time:** 09.35 – 10.05  
**Topic:** First line intervention in hypoxemic patients: HFOT or NV  
**Presenters:** Prof Massimo Antonelli

**Time:** 10.05 – 10.35  
**Topic:** Latest update on interferon in ARDS  
**Presenter:** Prof Geoff Bellingan

#### WEANING

**Chairpersons:** Prof Xavier Monnet & Dr Andrew Bentley  
**Time:** 11.20 – 11.35  
**Topic:** NAVA - when, how and to whom?  
**Presenter:** Dr Deepak Govil

**Time:** 11.35 – 11.50  
**Topic:** Weaning failure due to cardiac origin  
**Presenter:** Prof Xavier Monnet
### NEURO CRITICAL CARE

**Chairpersons:** Prof Yasser Sakr & Dr Ashley Miller

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<tbody>
<tr>
<td>11.45</td>
<td>Peri-operative management of patients with acute ischemic stroke</td>
<td>Associate Prof Jose L. Diaz-Gomez</td>
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<tr>
<td>12.00</td>
<td>Early mobilisation in neuro critical care</td>
<td>Associate Prof Aarti Sarwal</td>
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<tr>
<td>12.15</td>
<td>Prevention of delirium in ICU patients</td>
<td>Prof Peter Pickkers</td>
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<td>12.30</td>
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<td>12.45</td>
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### MANAGEMENT

**Chairpersons:** Dr Andrew Bentley & Dr Suveer Singh

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<td>NOAC reversal: a dream come true</td>
<td>Dr Eric Hodgson</td>
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<tr>
<td>14.00</td>
<td>Peri-operative management of patients with pulmonary hypertension</td>
<td>Associate Prof Jose L. Diaz-Gomez</td>
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<tr>
<td>14.15</td>
<td>Levosimendan in severe heart failure</td>
<td>Dr Christian Sitzwhol</td>
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<td>14.30</td>
<td>Management of the obese in Critical Care</td>
<td>Dr Andrew Bentley</td>
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<td>14.45</td>
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### WEANING (continued)

**Chairpersons:** Prof Xavier Monnet & Dr Andrew Bentley

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<tr>
<td>11.50</td>
<td>Avoiding failed extubation</td>
<td>Dr Eric Hodgson</td>
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<tr>
<td>12.05</td>
<td>Weaning from prolonged ventilation</td>
<td>Dr Andrew Bentley</td>
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### RENAL

**Chairpersons:** Prof Michel Slama & Prof Daniel Lichtenstein

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<tr>
<td>13.40</td>
<td>Fluid challenges for oliguria - useful or a knee-jerk reaction</td>
<td>Dr Roop Kishen</td>
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<td>13.55</td>
<td>Biomarkers for acute kidney injury</td>
<td>Dr Marlies Ostermann</td>
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<td>14.10</td>
<td>Early vs late initiation of CRRT</td>
<td>Prof Peter Pickkers</td>
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<td>14.25</td>
<td>The dark side of CRRT</td>
<td>Dr Marlies Ostermann</td>
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### TUTORIALS / WORKSHOPS

**SEMINAR ROOM 3**

Cardiovascular physiology relevant to Intensive Care
- Prof Xavier Monnet
- Prof Bernard Cholley
- Dr Miguel Tavares

**SEMINAR ROOM 4**

Ultrasound in Acute Care - all you are afraid to ask
- Moderator: Dr Jonathan Wilkinson
- Dr Deepak Govil
- Dr Adrian Wong
- Associate Prof Jose L. Diaz-Gomez

**SEMINAR ROOM 3**

Simulation in ICU
- Associate Prof Aarti Sarwal
- Dr Zudin Puthucheary

**SEMINAR ROOM 4**

ROUND TABLE: Quality, safety, burnout and research in ICU - ask the experts
- Chairperson: Dr Paul Barach
- Prof Fang Gao Smith
- Dr Nazir Lone
- Dr Ravi Kumar
- Dr Bronwen Connolly
- Dr Eric Hodgson
- Dr Adrian Wong
### TOPICS 2

**Chairpersons:** Dr Roop Kishen & Prof Paul Dark

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<tr>
<td>15.20 – 15.35</td>
<td>How to recognise failing right ventricle</td>
<td>Prof Michel Slama</td>
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<tr>
<td>15.35 – 15.50</td>
<td>When to stop antibiotics in sepsis</td>
<td>Prof Paul Dark</td>
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<tr>
<td>15.50 – 16.15</td>
<td>Mechanisms of spread of antibiotic resistance genes; are we in a losing struggle?</td>
<td>Prof Steven Opal</td>
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<td>16.15 – 16.30</td>
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### CLOSING LECTURE

**Chairpersons:** Dr Roop Kishen & Prof Paul Dark

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<tr>
<td>16.30 – 16.50</td>
<td>Future of Intensive Care - the challenges</td>
<td>Prof Richard Beale</td>
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<td>16.50 – 17.00</td>
<td>Closing remarks</td>
<td>Dr Roop Kishen</td>
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