07.45 – 08.30 Registration
08.30 – 08.45 Introduction
Dr Roop Kishen & Prof David Crippen
08.45 – 09.05 On Leadership: Mitchell P. Fink, MD, MCCM and William C. Shoemaker, MD, MCCM
Prof Tim Buchman
KEYNOTE ADDRESS
09.05 – 09.30 A view from the bed
Prof Tim Buchman

GREAT HALL

SEPSIS - BASICS
Chairpersons: Dr Paul Dark & Prof Fang Gao Smith
11.10 – 11.25 Sepsis definitions in 2015: finally back to common sense
Prof Jean Louis Vincent
11.25 – 11.40 Myocardial injury in sepsis: is there a relation to inflammatory markers
Dr Murillo Santucci Cesar de Assuncao
11.40 – 11.55 Microcirculation in sepsis
Dr Paul Elbers
11.55 – 12.10 Lactate in sepsis: marker or protector
Dr Marek Nalos
12.10 – 12.30 Questions

CONFERENCE HALL

VENTILATION
Chairpersons: Prof Jean Daniel Chiche & Prof Rui Moreno
11.10 – 11.25 Monitoring and improving diaphragm function during mechanical ventilation
Prof Niall Ferguson
11.25 – 11.40 Weaning failure due to cardiac origin
Prof Jean Louis Teboul
11.40 – 11.55 Ventilator management of patients with neuromuscular disorders: physiology rears its ugly head
Prof Bill Coplin
11.55 – 12.10 Is prone position evidence-based
Prof Jean Daniel Chiche
12.10 – 12.30 How to be successful in ventilator weaning
Prof Martin Tobin
12.30 – 12.50 Questions
12.50 – 13.50 Lunch

HAEMODYNAMIC MONITORING
Chairpersons: Dr Nick Fletcher & Associate Prof Ian Seppelt
11.10 – 11.25 Forgotten right ventricle
Prof Steve Hollenberg
11.25 – 11.40 Limitations of pulse pressure variations
Prof Michel Slama
11.40 – 11.55 Which haemodynamic device should I change?
Prof Xavier Monnet
11.55 – 12.10 Haemodynamic management of out of hospital cardiac arrest
Dr Nick Fletcher
12.10 – 12.25 Optimal blood pressure in septic shock
Prof Jean Louis Teboul
12.25 – 12.40 Questions
12.40 – 13.50 Lunch

COMMITTEE ROOM 2

MASTERCLASS
11.10 – 12.30 Bleeding in ICU
Prof Tim Buchman
Prof Marcel Levi
Prof Karim Brohi
Dr Deepak Govil

COMMITTEE ROOM 3

ROUND TABLE
Chairpersons: Prof David Crippen & Dr Farhad Kapadia
11.10 – 13.00 End of life care
Discussed by:
Dr Stephen Streat
Associate Prof Leslie Whetstine
Dr Eric Hodgson
Dr Fredrico Bruzi de Carvalho
Dr Paul Morgan
Dr Jose Chacko
Dr Peter Spronk
Prof Mike Grocott
GREAT HALL

PRO-CON DEBATE
Chairperson: Dr Thomas Clark
All central venous cannulations should be placed using ultrasound guidance
12.30 – 12.45 PRO
Prof Michel Sama
12.45 – 13.00 CON
Prof Bernard Cholley
13.00 – 13.10 Questions
13.10 – 14.00 Lunch

TOPICS 1
Chairpersons: Dr Andrew Rhodes & Prof Jan de Waele
14.00 – 14.15 The role of HFOV in adults with ARDS
Prof Niall Ferguson
14.15 – 14.30 Melatonin as a potential therapy in the ICU
Prof Helen F Galley
14.30 – 14.45 Hyponatraemia in ICU
Prof Tom Bleck
14.45 – 15.00 Antibiotic TDM - how to use it
Prof Jan De Waele
15.00 – 15.20 Questions
15.20 – 15.50 Coffee Break

CONFERENCE HALL

SEPSIS 2
Chairpersons: Dr Paul Elbers & Prof Mike Grocott
13.50 – 14.05 Heterogeneity in case mix in sepsis
Dr Manu Shankar-Hari
14.05 – 14.20 Biomarkers in sepsis
Dr Paul Dark
14.20 – 14.35 Sepsis bundles - outcome in Wales
Dr Paul Morgan
14.35 – 14.50 Risk assessment using biomarkers in sepsis
Dr Don Chalfin
14.50 – 15.05 Questions
15.05 – 15.30 Coffee Break

RENAI
Chairpersons: Dr Donald Chalfin & Dr Andrew Bentley
15.30 – 15.45 Endo-toxin adsorption in sepsis
Prof Jean Louis Vincent
15.45 – 16.00 Drug induced kidney injury
Dr Roop Kishen
16.00 – 16.15 Renal function reserve
Dr Faqz Husain
16.15 – 16.30 Questions

LORD MAYORS PARLOUR

MAN POWER / QUALITY OF CARE IN ICU
Chairpersons: Prof Ruth Kleinpell & Dr Anna Batchelor
13.50 – 14.05 Practitioners 10 years on - have they made an impact in our unit?
Dr Anna Batchelor
14.05 – 14.20 Sleep and sedation practices in Europe
Dr Peter Spronk
14.20 – 14.35 Quality indicator in ICU: HAI or antibiotic use
Prof Tim Walsh
14.35 – 14.50 Handoffs and transitions in Critical Care
Dr Paul Barach
14.50 – 15.05 Questions
15.05 – 15.30 Coffee Break

ROUND TABLE:
Safety in Intensive Care
Chairperson: Prof Tim Buchman
15.30 – 16.30
Dr Paul Barach
Prof Ruth Kleinpell
Dr Anna Batchelor
Dr Farhad Kapadia
Dr Frederico Bruzzi de Carvalho

COMMITTEE ROOM 2
TUTORIALS / WORKSHOPS
14.00 – 15.00
Vasoactive drugs
Prof Jean Louis Vincent & Prof Jean Louis Teboul

COMMITTEE ROOM 3
TUTORIALS / WORKSHOPS
14.00 – 15.00
ICU rounds with Frank and Starling
Prof Steve Hollenberg
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>13.00</td>
<td>13TH ANNUAL CRITICAL CARE SYMPOSIUM &amp; CCM-L MEETING</td>
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<td><strong>FLUIDS</strong></td>
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<td>Chairpersons: Prof Jean Louis Vincent &amp; Prof Tim Walsh</td>
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<tr>
<td>15.50</td>
<td>What could be the fluid resuscitation guideline for the next SSC?</td>
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<tr>
<td>16.05</td>
<td>Fluid management in the unstable patient: the SOSD approach</td>
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<td>16.35</td>
<td>Are we abandoning starches too soon?</td>
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<td>16.50</td>
<td>Starches should not be used</td>
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<td>17.05</td>
<td>Which IV fluid to use</td>
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<td><strong>TOPICS 4</strong></td>
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<td>Chairpersons: Dr Peter Spronk &amp; Dr Munillo Santucci Cesar de Assuncao</td>
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<tr>
<td>16.30</td>
<td>Did the results of the last EGDT trials change my clinical practice</td>
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<td>16.45</td>
<td>Prediction of volume responsiveness in spontaneously breathing patients: an update</td>
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<td>Morbidity or mortality: what should be the focus</td>
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<td>Chairpersons: Dr Bob Winter &amp; Dr Stephen Streat</td>
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<td>Pre-hospital care</td>
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<td>Prehabilitation: more than just exercise</td>
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<td>18.00</td>
<td>BUSINESS MEETING OF THE CCM-L</td>
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<td>Chairperson: Prof David Crippen</td>
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<tr>
<td>16.00</td>
<td>Acute pancreatitis</td>
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<tr>
<td>18.00</td>
<td>Examination in coma</td>
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<td><strong>COMMITTEE ROOM 3</strong></td>
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<td>19.30</td>
<td>SYMPOSIUM DINNER</td>
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<td><strong>AFTER DINNER SPEECH:</strong></td>
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<tr>
<td></td>
<td>Why has the safety and quality movement been slow to transform Critical Care culture and outcomes?</td>
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<td>Dr Paul Barach</td>
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## GREAT HALL
### TOPICS 2
Chairpersons: Prof Fang Gao Smith & Dr Antonios Liolios

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09.00 – 09.30</td>
<td>Big science in the ICU</td>
<td>Prof Steve Hollenberg</td>
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<tr>
<td>09.30 – 09.45</td>
<td>Genetic predisposition to sepsis</td>
<td>Prof Jean Daniel Chiche</td>
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<tr>
<td>09.45 – 10.00</td>
<td>New vistas of copyright in the information age</td>
<td>Prof David Crippen</td>
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<tr>
<td>10.00 – 10.15</td>
<td>Consent issues in ICU</td>
<td>Dr Eric Hodgson</td>
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<tr>
<td>10.15 – 10.30</td>
<td>Ethical challenges in end of life care in the 21st century</td>
<td>Assoc Prof Leslie Whetstine</td>
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<td>10.30 – 10.50</td>
<td>Questions</td>
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<td>10.50 – 11.20</td>
<td>Coffee Break</td>
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### CONFERENCE HALL
### HAEMATOLOGY
Chairpersons: Dr Manu Shankar-Hari & Prof Karim Brohi

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<tr>
<td>09.00 – 09.15</td>
<td>Red cell transfusions: what do nice guidelines tell us about Critical Care</td>
<td>Prof Tim Walsh</td>
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<td>09.15 – 09.30</td>
<td>Reversal of anticoagulant agents</td>
<td>Prof Marcel Levi</td>
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<td>09.30 – 09.45</td>
<td>Coagulation issues in liver disease</td>
<td>Dr Deepak Govil</td>
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<td>09.45 – 10.00</td>
<td>Difficulties and controversies in the modern management of trauma haemorrhage?</td>
<td>Prof Karim Brohi</td>
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<td>10.00 – 10.15</td>
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<td>10.15 – 10.45</td>
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### ULTRASOUND
Chairpersons: Prof Bernard Chollet & Dr Jose Chacko

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<tbody>
<tr>
<td>10.45 – 11.00</td>
<td>Haemodynamic monitoring by ECHO</td>
<td>Dr Marek Nalos</td>
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<td>11.00 – 11.15</td>
<td>Lung ultrasound in ICU – can we avoid X-rays?</td>
<td>Dr Ashley Miller</td>
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<td>11.15 – 11.30</td>
<td>SESAME protocol (cardiac arrest)</td>
<td>Prof Daniel Lichtenstein</td>
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<td>11.30 – 11.45</td>
<td>Transcranial Doppler / optic nerve sheath diameter measurement as a marker of raised ICP</td>
<td>Dr Jose Chacko</td>
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<td>11.45 – 12.00</td>
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### LORD MAYORS PARLOUR
### ANTI-BIOTICS
Chairpersons: Dr Ravi Kumar & Prof Bill Coplin

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<tbody>
<tr>
<td>09.00 – 09.15</td>
<td>Pharmacogenomics in the ICU: an update</td>
<td>Prof Jean Daniel Chiche</td>
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<tr>
<td>09.15 – 09.30</td>
<td>Antibiotics for the uninterested</td>
<td>Dr Eric Hodgson</td>
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<tr>
<td>09.30 – 09.45</td>
<td>Prophylactic antifungals in ICU</td>
<td>Prof Jan de Waele</td>
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<td>09.45 – 10.00</td>
<td>The role of procalcitonin and c-reactive protein in antibiotic stewardship: an update</td>
<td>Dr Paul Dark</td>
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<tr>
<td>10.00 – 10.20</td>
<td>Questions</td>
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<td>10.20 – 10.50</td>
<td>Coffee Break</td>
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### COMMITTEE ROOM 2
### TUTORIALS / WORKSHOPS

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<tr>
<td>09.00 – 10.00</td>
<td>How to interpret SVO2/ScVo2</td>
<td>Prof Xavier Monnet &amp; Prof Jean Louis Vincent</td>
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<tr>
<td>11.00 – 12.00</td>
<td>Understanding diagnostic tests</td>
<td>Prof Tim Walsh</td>
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<tr>
<td>12.00 – 13.00</td>
<td>Social media and ICU</td>
<td>Dr Antonios Liolios &amp; Dr Paul Morgan</td>
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### COMMITTEE ROOM 3
### TUTORIALS / WORKSHOPS

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>09.00 – 10.00</td>
<td>Health economic modelling and disease stimulations</td>
<td>Dr Don Chalfin &amp; Dr Peter Spronk</td>
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<tr>
<td>11.00 – 12.00</td>
<td>Primer on designing safety and reliability into the ICU</td>
<td>Dr Paul Barach</td>
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<tr>
<td>12.00 – 13.00</td>
<td>Ultrasound guided procedures in Critical Care</td>
<td>Dr Deepak Govil &amp; Dr Jose Chacko</td>
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</table>
### GREAT HALL

#### ARDS 2
Chairpersons: Prof Martin Tobin & Prof Geoff Bellingan

- **13.45 – 14.05**
  - Scientific evaluation of protocols in clinical medicine: lessons from ventilator weaning and sepsis
  - Prof Martin Tobin

- **14.05 – 14.25**
  - Fluid resuscitation in leaky lungs
  - Prof Jean Louis Téboul

- **14.25 – 14.45**
  - New therapies in ARDS
  - Prof Geoff Bellingan

- **14.45 – 15.05**
  - ARDS - update
  - Prof Fang Gao Smith

- **15.05 – 15.20**
  - Questions

- **15.20 – 15.50**
  - Coffee Break

#### TOPICS 3
Chairpersons: Dr Roop Kishen & Dr Andrew Bentley

- **15.50 – 16.05**
  - High flow nasal oxygen
  - Dr Ravi Kumar

- **16.05 – 16.20**
  - Multiple organ dysfunctions in trauma: of genomic storms and butterfly wings
  - Prof Karim Brohi

- **16.20 – 16.35**
  - Oxygen therapy and critical illness
  - Prof Mike Grocott

- **16.35 – 16.50**
  - Questions

#### TOPICS 5
Chairpersons: Dr Michael Kuiper & Dr Stephen Streat

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<th>Time</th>
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<tbody>
<tr>
<td>12.00 – 12.15</td>
<td>Total artificial heart</td>
<td>Prof Bernard Cholley</td>
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<td>12.15 – 12.30</td>
<td>Next generation diagnostic testing in the ICU</td>
<td>Dr Don Chaffin</td>
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<tr>
<td>12.30 – 12.35</td>
<td>Questions</td>
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<td>12.35 – 13.45</td>
<td>Lunch</td>
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#### ICU ISSUES
Chairpersons: Dr Farhad Kapadia & Prof Helen F Galley

- **13.45 – 14.00**
  - Where should ICM be going? Is it more toys or earlier involvement
  - Dr Anna Batchelor

- **14.00 – 14.15**
  - How clinical practice committee helps to prioritize innovations
  - Dr Stephen Streat

- **14.15 – 14.30**
  - Management of intracerebral hemorrhage: is it time for a uniform surgical approach... again?
  - Prof Bill Coplin

- **14.30 – 14.45**
  - Prognostication in cardiac arrest
  - Dr Michael Kuiper

- **14.45 – 15.00**
  - Questions

#### SPECIAL LECTURE
Chairperson: Dr Stephen Streat

- **15.00 – 15.30**
  - 10 pitfalls in Intensive Care
  - Dr Farhad Kapadia

- **15.30 – 15.40**
  - Questions

- **15.40 – 16.10**
  - Coffee Break

### CONFERENCES HALL

#### NEURO CRITICAL CARE
Chairpersons: Prof Tom Bleck & Dr Michael Kuiper

- **13.45 – 14.00**
  - Stroke interventions in the era of stent retrievers
  - Prof Tom Bleck

- **14.00 – 14.15**
  - Status epilepticus: acute management questions in the post-RAMPART age
  - Prof Tom Bleck

- **14.15 – 14.30**
  - Management of intracerebral hemorrhage: is it time for a uniform surgical approach... again?
  - Prof Bill Coplin

- **14.30 – 14.45**
  - Prognostication in cardiac arrest
  - Dr Michael Kuiper

- **14.45 – 15.00**
  - Questions

### COMMITTEE ROOM 2

#### TUTORIALS / WORKSHOPS

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<tr>
<td>14.00 – 15.00</td>
<td>Airways emergencies - rescue and exchange including the management of leaking tubes</td>
<td>Dr Eric Hodgson</td>
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### COMMITTEE ROOM 3

#### TUTORIALS / WORKSHOPS

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<td>Interpreting acid-base abnormalities in the third millennium</td>
<td>Dr Roop Kishen &amp; Dr Paul Elbers</td>
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### CLOSING LECTURE

- **16.50 – 17.20**
  - Personalised Intensive Care medicine is the future
  - Prof Jean Louis Vincent

- **17.20 – 17.30**
  - Closing Remarks
  - Dr Roop Kishen