08.00 – 08.45  Registration
08.45 – 09.00  Introduction
  Dr Peter Spronk

KEYNOTE ADDRESS
09.00 – 09.30  On the other side of the stethoscope: when the intensivist becomes sick
  Dr Don Chalfin

SEPSIS - BASICS
Chairpersons: Dr Peter Spronk & Dr Roop Kishen
09.30 – 09.45  Biology of vascular responsiveness in sepsis - lessons from ADRENAL
  Prof Bala Venkatesh
09.45 – 10.00  Microcirculation is the motor of organ failure
  Prof Can Ince
10.00 – 10.15  Chronic alcohol and sepsis
  Prof Craig Coopersmith
10.15 – 10.30  Sepsis 3 - three years on
  Prof Mervyn Singer
10.30 – 10.50  Questions
10.50 – 11.10  Coffee Break

CARDIOVASCULAR
Chairpersons: Prof Anthony Gordon & Dr Ravi Kumar
11.10 – 11.30  SESAME protocol: a focused whole-body approach to cardiac arrest
  Prof Daniel Lichtenstein
11.30 – 11.45  Use of adrenaline in out of hospital cardiac arrest
  Prof Michael Kuiper
11.45 – 12.00  ECMO - CPR
  Dr Tim Hayes
12.00 – 12.15  Deep dive into diastolic heart failure: why nothing works?
  Prof Steven Hollenberg
12.15 – 12.30  Questions

CONTOVERSIES
Chairpersons: Dr Francesca Rubulotta & Dr Antonios Liotios
11.10 – 11.25  Vit C / steroids / thiamine in sepsis
  Prof Craig Coopersmith
11.25 – 11.40  Gender equality means that conferences should not name speakers
  Dr Adrian Wong
11.40 – 11.55  Permissive anaemia
  Dr Roop Kishen
11.55 – 12.10  Hypovolaemia does not exist in ICU
  Dr Ashley Miller
12.10 – 12.25  Personalised care is just an excuse for people to ignore guidelines and best practice
  Dr Adrian Wong
12.25 – 12.50  Questions
12.50 – 13.50  Lunch

CONFERENCE ROOM
PRACTICAL ASPECTS IN ICU 1
Chairpersons: Dr Tony Thomas & Dr Tony Whitehouse
11.10 – 11.25  Abdominal emergencies in ICU
  Dr Deepak Govil
11.25 – 11.40  Mechanical insufflation-exsufflation (cough assist)
  Ms Rachael Moses
11.40 – 11.55  Emergency front of the neck access - another victory for ultrasound
  Dr Justin Kirk-Bailey
11.55 – 12.10  Extubation in ICU
  Prof Hannah Wunsch
12.10 – 12.25  Clinical frailty - what is it, why do we need to know?
  Dr David McWilliams
12.25 – 12.50  Questions
12.50 – 13.50  Lunch

TUTORIALS / WORKSHOPS / ROUND TABLE
11.10 – 13.00  Seminar Room 2: Round Table
  Sepsis - the challenge
  Moderator: Prof Tim Buchman
  Prof Mervyn Singer
  Prof Craig Coopersmith
  Prof Rui Moreno
  Prof Ruth Kleinpell
  Prof Kathy Rowan
12.00 – 13.00  Seminar Room 3: Round Table
  Tracheostomy - all you need to know
  Moderator: Dr Paul Morgan
  Dr Jose Chacko
  Dr Jackie McRae
  Ms Rachael Moses
  Small Meeting Room: Workshop
  Bronchoscopy in ICU - all you need to know
  Dr Suveer Singh
CONCERT HALL

PRO-CON DEBATE
Chairperson: Prof Paolo Pelosi

12.30 – 12.45  PRO
Prof Anthony Gordon

12.45 – 13.00  CON
Dr Jean-Louis Vincent

13.00 – 13.10  Questions

13.10 – 14.00  Lunch

NEURO CRITICAL CARE
Chairpersons: Dr Michael Kuiper & Dr Ravi Kumar

14.00 – 14.15  Early brain injury in ICU: too little too late
Dr Matthew Rowland

14.15 – 14.30  ICP - more than a number
Prof Rui Moreno

14.30 – 14.45  Intracranial haemorrhage: emerging research in minimally invasive options for intensivists to know
Associate Prof Aarti Sarwal

14.45 – 15.00  Ketones as neuro protective agents
Prof Bala Ventakesh

15.00 – 15.20  Questions

15.20 – 15.50  Coffee Break

LECTURE THEATRE

SEPSIS - MANAGEMENT
Chairpersons: Dr Rob MacSweeney & Dr Paul Morgan

13.50 – 14.05  10 elements that can improve outcome in sepsis
Prof Jean-Louis Vincent

14.05 – 14.20  How we optimized vasopressor use in sepsis
Prof Hannah Wunsch

14.20 – 14.35  Beta blockers in septic shock
Dr Tony Whitehouse

14.35 – 14.50  Quality improvement in sepsis management
Prof Tim Buchman

14.50 – 15.05  Questions

15.05 – 15.30  Coffee Break

ICU ISSUES 1
Chairpersons: Dr Ruth Kleinpell & Dr Jackie McRae

15.30 – 15.45  How bed availability drives care
Prof Hannah Wunsch

15.45 – 16.00  WHO’s in Critical Care
Dr Tony Thomas

16.00 – 16.15  Quality improvement and evidence based practice
Dr Paul Morgan

16.15 – 16.30  SLT in critical care
Dr Jackie McRae

16.30 – 16.45  Addressing burnout in critical care providers
Prof Ruth Kleinpell

CONFERENCE ROOM

COMMUNICATIONS / ETHICS / HEALTH ECONOMICS
Chairpersons: Associate Prof Leslie Whetstine & Dr Niels Van Regenmortel

13.50 – 14.05  Basic concepts and philosophy of health economics: why is it relevant for clinicians?
Dr Don Chaffin

14.05 – 14.20  Metrics of rapid response systems - results from the 3rd Consensus Conference
Dr Francesca Rubulotta

14.20 – 14.35  Current controversies in ethics
Associate Prof Leslie Whetstine

14.35 – 14.50  Communications in the ICU
Prof Jean-Louis Vincent

14.50 – 15.05  Questions

15.05 – 15.30  Coffee Break

NUTRITION
Chairpersons: Prof Mervyn Singer & Dr Matthew Rowland

15.30 – 15.50  Nutrition in the critically ill - consensus and controversies
Dr Roop Kishen

15.50 – 16.10  Monitoring a medical nutrition intervention in ICU
Dr Alex Katanakis

16.10 – 16.30  Questions

TUTORIALS / WORKSHOPS / ROUND TABLE

14.00 – 15.00  Seminar Room 2: Round Table
Rehabilitation in ICU
Moderator: Dr Peter Spronk
Ms Rachael Moses
Dr Jackie McRae
Dr David McWilliams

14.00 – 15.00  Seminar Room 3: Tutorial
ICU rounds with Frank and Starling
Prof Steven Hollenberg
Dr Roop Kishen
Dr Paul Morgan

16.00 – 17.00  Seminar Room 2: Round Table
Research: Practical aspects
Writing a grant / fellowship application
Designing a trial / reporting results
Moderator: Prof Bala Venkatesh
Prof Anthony Gordon
Prof Kathy Rowan
Prof Craig Coopersmith
19.00 for 19.30 Foster & Robinson Room
Crowne Plaza Manchester Oxford Road
55 Booth Street West
Manchester M15 6PQ

Admission by pre-booked ticket only

AFTER DINNER SPEECH:
Tracheostomy in critically ill patients: patients and families will never walk alone
Prof Paolo Pelosi
**FRIDAY 12TH APRIL 2019 | SCHEDULE PAGE 1**

**16TH ANNUAL CRITICAL CARE SYMPOSIUM**
ROYAL NORTHERN COLLEGE OF MUSIC, MANCHESTER

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<td>08.30</td>
<td>Chairpersons: Dr Don Chalfin &amp; Dr Antonios Liolios</td>
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<td>09.00</td>
<td>The ICU in Europe: the mismatch between demand and supply</td>
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<td>Prof Rui Moreno</td>
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<tr>
<td>09.30</td>
<td>HAEMODYNAMICS</td>
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<td>09.30</td>
<td>Chairpersons: Dr Don Chalfin &amp; Dr Antonios Liolios</td>
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<td>09.30</td>
<td>The cardiovascular response to ECMO, CRRT and cardiac assist devices</td>
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<td>Prof Can Ince</td>
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<td>Prof Rui Moreno</td>
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<td>09.45</td>
<td>Limits of fluid responsiveness parameters</td>
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<td>Prof Michel Slama</td>
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<td>10.00</td>
<td>Ivabradine: a new tool to control tachycardia without affecting inotropism</td>
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<td>Prof Bernard Cholley</td>
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<tr>
<td>10.30</td>
<td>Chairperson: Prof Craig Coopersmith</td>
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<tr>
<td>10.30</td>
<td>Mervyn Singer is wrong: whatever it is I am against it?</td>
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<td>11.00</td>
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<td>Prof Steven Hollenberg</td>
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<td>Prof Mervyn Singer</td>
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<td>Chairpersons: Associate Prof Leslie Whetstine &amp; Dr Peter Spronk</td>
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<td>Chairpersons: Prof Paolo Pelosi &amp; Dr Francesca Rubulotta</td>
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<td>09.35</td>
<td>Lung water in ARDS - filling pressures</td>
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<td>Dr Miguel Tavares</td>
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<td>Steroids in ARDS - evidence v experience</td>
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<td>Dr Suveer Singh</td>
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<td>10.05</td>
<td>Extracorporeal CO2 removal - respiratory dialysis: future of hypercapnic respiratory failure</td>
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<td>Dr Deepak Govil</td>
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<td>Recruitment maneuver in ARDS: effect on haemodynamics and on the heart</td>
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<td>Prof Michel Slama</td>
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<td>Chairpersons: Associate Prof Aarti Sarwal &amp; Prof Daniel Lichtenstein</td>
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<td>09.35</td>
<td>From pocket to POCUS</td>
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<td>Dr Jonathan Wilkinson</td>
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<td>Pushing POCUS further - beyond heart and lungs</td>
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<td>Dr Justin Kirk-Bailey</td>
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<td>Journal Matters: writing, reviewing, associate editing and editor in chief</td>
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<td>09.35</td>
<td>Prof Tim Buchman</td>
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<td>Prof Anthony Gordon</td>
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<td>Prof Mervyn Singer</td>
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<td>11.00</td>
<td>Seminar Room 3:</td>
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<td>11.00</td>
<td>Crew resource management (CRM) in ICU</td>
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<td>Dr Alex Katanakis</td>
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<td>11.30</td>
<td>Small Meeting Room:</td>
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<td>Bronchoscopy in ICU - all you need to know</td>
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FRIDAY 12TH APRIL 2019 | SCHEDULE PAGE 2
16TH ANNUAL CRITICAL CARE SYMPOSIUM
ROYAL NORTHERN COLLEGE OF MUSIC, MANCHESTER

CONCERT HALL

PRO-CON DEBATE
Chairperson: Prof Rui Moreno
PA catheter is still the best option in the 21st Century
11.45 – 12.00  PRO
Prof Steven Hollenberg
12.00 – 12.15  CON
Prof Michel Slama
12.15 – 12.30  Questions
12.30 – 13.30  Lunch

LECTURE THEATRE

FUTURE ICU
Chairpersons: Dr Michael Kuiper & Prof Hannah Wunsch
12.00 – 12.15  Transfer of ventilated patients in the future
Mr Gavin Denton
12.15 – 12.30  Suspended animation - a reality
Prof Menyn Singer
12.30 – 12.45  Precision medicine in sepsis
Prof Anthony Gordon
12.45 – 13.00  The future of Critical Care
Prof Craig Coopersmith
13.00 – 13.15  Questions
13.15 – 14.15  Lunch

CONFERENECE ROOM

ULTRASOUND IN CRITICAL CARE (continued)
Chairpersons: Associate Prof Aarti Sarwal & Prof Daniel Lichtenstein
11.40 – 11.55  Point of care cranial ultrasound and transcranial Doppler in critical care
Associate Prof Aarti Sarwal
11.55 – 12.10  Ventilator induced diaphragm dysfunction
Associate Prof Aarti Sarwal
12.10 – 12.45  Questions
12.45 – 13.45  Lunch

TOPICS 3
Chairpersons: Mr Gavin Denton & Dr David McWilliams
13.45 – 14.00  Mechanical ventilation in non-ARDS patients
Prof Paolo Pelosi
14.00 – 14.15  Results from the POPPI (Psychological Outcomes following a nurse-led Preventative Psychological Intervention for critically ill patients) trial
Prof Kathy Rowan
14.15 – 14.35  Shock induced endotheliopathy in critical illness: a new disease entity
Dr Jakob Stensballe
14.35 – 14.50  Questions
14.50 – 15.20  Coffee Break

TUTORIALS / WORKSHOPS

12.00 – 13.00  Social media and knowledge dissemination
Moderator: Dr Rob MacSweeney
Dr Jonathan Wilkinson
Dr Antonios Liolios
Dr Adrian Wong
Dr Segun Olusanya

Seminar Room 2:
Airway assessment to wean patients with tracheostomy
Ms Rachael Moses
Dr Jackie McRae

Small Meeting Room:
Bronchoscopy in ICU - all you need to know
Dr Suveer Singh

14.00 – 15.00  Interesting cases in ICU
Dr Suveer Singh

Seminar Room 3:
Workshop: Determination of death for organ donation
Dr Michael Kuiper
Associate Prof Leslie Whetstine
### ICU ISSUES 2

**Chairpersons:** Dr Peter Spronk & Prof Ruth Kleinpell

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<td>Promoting family engagement in ICU: lessons learned from an international study</td>
<td>Prof Ruth Kleinpell</td>
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<td>15.35 – 15.50</td>
<td>Unplanned removal of medical devices</td>
<td>Dr Tony Thomas</td>
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<td>15.50 – 16.15</td>
<td>Managing an ICU team in crisis - is weakness an option</td>
<td>Dr Adrian Wong</td>
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### CLOSING LECTURE

**Chairpersons:** Dr Peter Spronk & Prof Ruth Kleinpell

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<td>Bigger science</td>
<td>Prof Steven Hollenberg</td>
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<td>16.50 – 17.00</td>
<td>Closing remarks</td>
<td>Dr Peter Spronk</td>
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