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

LECTURE THEATRE
CONTROVERSIES
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 Raechel 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**  
12.45 – 13.00 **CON**  
13.00 – 13.10 Questions

### 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  
Ass. Prof Aarti Sarwal  
14.45 – 15.00 Ketones as neuro protective agents  
Prof Bala Venkatesh  
15.00 – 15.20 Questions  
15.20 – 15.30 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 Chalfin  
14.05 – 14.20 Cost of preventable cardiac arrests  
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 – 15.45 Nutrition in the critically ill - consensus and controversies  
Dr Roop Kishen  
15.45 – 16.00 To be confirmed  
16.00 – 16.15 Monitoring a medical nutrition intervention in ICU  
Dr Alex Katanakis  
16.15 – 16.30 Questions

### Tutorials / Workshops / Round Table

**16.00 – 17.00**  
**Seminar Room 2: Round Table**  
Rehabilitation in ICU  
Moderator: Dr Peter Spronk  
Ms Rachael Moses  
Dr Jackie McRae  
Dr David McWilliams

**Seminar Room 3: Tutorial**  
ICU rounds with Frank and Starling  
Prof Steven Hollenberg  
Dr Roop Kishen

**Small Meeting Room: Tutorial**  
Haemostasis - all you need to know  
Dr Jakob Stensballe
THURSDAY 11TH APRIL 2019 | SCHEDULE PAGE 3
16TH ANNUAL CRITICAL CARE SYMPOSIUM
ROYAL NORTHERN COLLEGE OF MUSIC, MANCHESTER

CONCERT HALL

TOPICS 2
Chairpersons: Prof Hannah Wunsch & Dr Jakob Stensballe
15.50 – 16.05
Lactate metabolism
Dr Marek Nalos
16.05 – 16.20
EPIC 3: how our ICU world has changed
Prof Jean-Louis Vincent
16.20 – 16.35
Sepsis registry in Wales
Dr Paul Morgan
16.35 – 16.50
Endgames: disability, succession and retirement
Prof Tim Buchman
16.50 – 17.05
Lessons we can learn from history
Prof Mervyn Singer
17.05 – 17.30 Questions

LECTURE THEATRE

ICU ISSUES 1 (continued)
Chairpersons: Dr Ruth Kleinpell & Dr Jackie McRae
16.45 – 17.00
Safety profiles of the ACCP and their contributions to ICU
Mr Gavin Denton
17.00 – 17.30 Questions

CONFERENCE ROOM

UPDATES IN INTENSIVE CARE
Chairpersons: Prof Rui Moreno & Prof Can Ince
16.30 – 17.10
Updates on the latest literature and landmark papers
Dr Rob MacSweeney
17.10 – 17.25
Updates on rehabilitation
Dr David McWilliams
17.25 – 17.30 Questions

TUTORIALS / WORKSHOPS / ROUND TABLE

16.00 – 17.00
Seminar Room 3: Tutorial
Acid-base Stewart approach
Dr Roop Kishen
Dr Niels Van Regenmortel
Small Meeting Room: Workshop
Bronchoscopy in ICU - all you need to know
Dr Suveer Singh

SYMPOSIUM DINNER

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

08.15 – 09.00 Registration

KEYNOTE ADDRESS
Chairpersons: Dr Don Chalfin & Dr Antonios Liolios
09.00 – 09.30 The ICU in Europe: the mismatch between demand and supply
Prof Rui Moreno

CONCERT HALL

HAEMODYNAMICS
Chairpersons: Dr Don Chalfin & Dr Antonios Liolios
09.30 – 09.45 The cardiovascular response to ECMO, CRRT and cardiac assist devices
Prof Can Ince
09.45 – 10.00 Limits of fluid responsiveness parameters
Prof Michel Slama
10.00 – 10.15 Ivabradine: a new tool to control tachycardia without affecting inotropism
Prof Bernard Cholley
10.15 – 10.30 Questions
10.30 – 11.00 Coffee Break

PRO-CON DEBATE
Chairperson: Prof Craig Coopersmith
Mervyn Singer is wrong: whatever it is I am against it?
11.00 – 11.15 PRO
Prof Steven Hollenberg
11.25 – 11.30 CON
Prof Mervyn Singer
11.30 – 11.45 Questions

LECTURE THEATRE

ARDS
Chairpersons: Prof Paolo Pelosi & Dr Francesca Rubulotta
09.35 – 09.50 Lung water in ARDS: filling pressures
Dr Miguel Tavares
09.50 – 10.05 Steroids in ARDS: evidence v experience
Dr Suveer Singh
10.05 – 10.20 Extracorporeal CO2 removal - respiratory dialysis: future of hypercapnic respiratory failure
Dr Deepak Goyal
10.20 – 10.35 Recruitment maneuver in ARDS: effect on haemodynamics and on the heart
Prof Michel Slama
10.35 – 10.50 Questions
10.50 – 11.15 Coffee Break

TOPICS 2
Chairpersons: Associate Prof Leslie Whetstine & Dr Peter Spronk
09.35 – 09.50 Trauma haemorrhage - management and beyond
Dr Jakob Stensballe
09.50 – 10.05 The CRISPR controversy
Associate Prof Leslie Whetstine
10.05 – 10.20 Choice of IV fluids: a pragmatic approach
Prof Jean-Louis Vincent
10.20 – 10.30 Questions
10.30 – 10.50 Coffee Break

CONFERENCE ROOM

ULTRASOUND IN CRITICAL CARE
Chairpersons: Associate Prof Aarti Sarwal & Prof Daniel Lichtenstein
10.50 – 11.10 From pocket to POCUS
Dr Jonathan Wilkinson
11.10 – 11.25 Pushing POCUS further - beyond heart and lungs
Dr Justin Kirk-Bailey
11.25 – 11.40 All the misconceptions surrounding lung ultrasound
Prof Daniel Lichtenstein

ROUND TABLE
Chairperson: Prof Tim Buckman
11.15 – 11.45 Medical Emergency Team / Rapid Response System: where are we now and what is the future?
Panel:
Dr Francesca Rubulotta
Prof Jean-Louis Vincent
11.45 – 12.00 Questions

TUTORIALS / WORKSHOPS
09.35 – 10.35
Seminar Room 2:
Journal Matters: writing, reviewing, associate editing and editor in chief
Prof Tim Buchman
Prof Anthony Gordon
Prof Mervyn Singer
Seminar Room 3:
Crew resource management (CRM) in ICU
Dr Alex Katanakis
11.00 – 12.00
Seminar Room 2:
Physiological basis of fluids
Prof Can Ince
Dr Roop Kishen
Seminar Room 3:
Interpreting abnormal haematology and coagulation profiles in acutely ill patients
Dr Jakob Stensballe
Small Meeting Room:
Bronchoscopy in ICU - all you need to know
Dr Suveer Singh
**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  

**INFECTIONS AND ANTIBIOTICS**  
Chairpersons: Dr Tony Thomas & Dr Ravi Kumar  
13.30 – 13.45 Inhaled antibiotics  
Dr Deepak Govil  
13.45 – 14.00 Early antibiotics in sepsis - do they work  
Dr Paul Morgan  
14.00 – 14.15 Antibiotic stewardship  
Dr Niels Van Rengersom  
14.15 – 14.30 Faecal transplant for C. difficile and potential other uses in ICU  
Prof Craig CooperSmith  
14.30 – 14.50 Questions  
14.50 – 15.20 Coffee Break  

**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 Mervyn 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  

**PRO-CON DEBATE**  
Chairperson: Dr Francesca Rubulotta  
Closing the lungs is better than keeping them open  
14.15 – 14.30 **PRO**  
Prof Paolo Pelosi  
14.30 – 14.45 **CON**  
Dr Rob MacSweeney  
14.45 – 15.00 Questions  
15.00 – 15.20 Coffee Break  

**CONFERENCE 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  
Seminar Room 2: Social media and knowledge dissemination  
Moderator: Dr Rob MacSweeney  
Dr Jonathan Wilkinson  
Dr Antonios Liolios  
Dr Adrian Wong  
Dr Segun Olusanya  

Seminar Room 3:  
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  
Seminar Room 2: 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

15.20 – 15.35 Promoting family engagement in ICU: lessons learned from an international study Prof Ruth Kleinpell
15.35 – 15.50 Unplanned removal of medical devices Dr Tony Thomas
15.50 – 16.15 Managing an ICU team in crisis - is weakness an option Dr Adrian Wong
16.15 – 16.30 Questions

CLOSING LECTURE
Chairpersons: Dr Peter Spronk & Prof Ruth Kleinpell

16.30 – 16.50 Bigger science Prof Steven Hollenberg
16.50 – 17.00 Closing remarks Dr Peter Spronk

ENDORSED BY