Please note: Each conference room has a set maximum delegate capacity, which is regulated by the venue. We therefore advise delegates to plan their day(s) and arrive early for their chosen sessions to avoid disappointment.

ROOM ENGLAND – Capital Suite 8-11
ROOM SCOTLAND – Capital Suite 7 + 12
ROOM WALES – Capital Suite 2-4
ROOM N IRELAND – Capital Suite 1

From 08:30 Registration, exhibition and pre-plenary TED talks

Including: Rinaldo Bellomo – Fever in patients with sepsis: is it cool to be hot or is it hot to be cool?
Mark Forrest – What lights your fire?
John Kheir – Assessing the adequacy of oxygen delivery: can’t we do better?

10:00-12:05 Opening Plenary Session

Welcome to Delegates
10:00 Stephen Brett, ICS President

Introduction to programme
10:05 Ganesh Suntharalingam, programme organiser

Gilston Lecture
Gilston Award Presentation: Paradigms, Dogmas and Evidence in Critical Care
10:10 Rinaldo Bellomo

The International Sepsis Forum Round Table: Mission Accomplished in Sepsis?
Chair: Mervyn Singer
10:45 Derek Angus, Rinaldo Bellomo, Ron Daniels, Claudia Dos Santos, Tim Walsh, Peter Pickkers

Social Media and Free Open Access Medical Education
Chair: Anna Batchelor
11:30 Jonathan Downham, Mark Forrest, Rob Mac Sweeney, Steve Mathieu, Stephen Webb, Adrian Wong

Pop-up session
Main exhibit hall: The Lung

12:05-13:05 Lunchtime Symposium
Orion Pharma
Chair: Andrew Bentley
Appropriate Use of Alpha-2 Agonists in the Management of Pain, Agitation and Delirium in ICU
What is the UKs current experience of PAD management?
How has the USA implemented PAD management?
How can effective PAD management be implemented into current UK practice?
How dexmedetomidine can be used as part of the PAD strategy
Scott Brudney, Carl Waldmann

12:05-13:05 Lunchtime Symposium
Mitsubishi Tanabe
Chair: Anthony Gordon
Thrombocytopenia – a different perspective on a common problem in ICU
If the sick liver HITs you
Georg Auzinger
If the circuit keeps clotting
Marlies Ostermann
Day 1 Monday 7th December

**The State of the Art Meeting 2015**

**ROOM ENGLAND – Capital Suite 8-11**

**13:30-14:45** The Injured Kidney

Chair: Barbara Philips
AKI: who will get it? (biomarkers)
13:30  Lui Forni
Does it kill you?
13:45  Rinaldo Bellomo
Can you treat it?
14:00  Peter Pickkers
What are the long-term effects?
14:15  John Prowle
14:30  Q&A  @bhca

**15:30-16:45** Managing Severe Hypoxia

Chairs: Mervyn Singer, Luciano Gattinoni
Intravenous oxygen microparticles – a lifeboat?
15:30  John Kheir
Is ECMO the answer? A North American perspective
15:50  Eddy Fan
Can you have too much oxygen?
16:10  Peter Radermacher  @andymartin5

**15:30-16:45** Point Of Care Ultrasound: Fad, Future or Current Standard of Care?

Chair: Adrian Wong
Pro-con 1: Cardiac ultrasound
15:30  Susana Price
Intensivist-delivered echo: dangerous in the wrong hands?
15:45  Antoine Vieillard-Baron
Pro-con 2: Lung ultrasound: why not just get an X-ray?
16:00  Ashley Miller
Lung ultrasound: the key to rapid diagnosis
16:15  Daniel Lichtenstein  @bhca

**16:45-18:30** – Welcome drinks reception

**ROOM SCOTLAND – Capital Suite 7 + 12**

**13:30-14:45** Against the Clock: Critical Care at the Sharp End

Chairs: Steve Mathieu, Rob Mac Sweeney
Learning from pre-hospital care
13:30  Mark Forrest
Critical care in the field
13:50  Andy Johnston
It’s not just what you do, but when: tempo, pace and sepsis
14:10  Ron Daniels
14:30  Q&A  @critdoc83

**14:45 – Tea/coffee and poster judging (45 min)**

**15:30-16:45** Early Detection of Critical Illness

Chair: Stephen Webb
How many are we missing? The All-Wales Size of Sepsis Study
15:30  Tamas Szakmany
Early warning and decision-support in Birmingham
15:50  Nandan Gautam
Making an impact: early intervention in AKI in London
16:10  Chris Laing
The truth about lactate
16:30  Rinaldo Bellomo  @nickopotamus

**ROOM WALES – Capital Suite 2-4**

**13:30-14:45** Muscle Wasting in Critical Illness

Chairs: Ella Segaran, Tim Walsh
Patient experience
13:35  Setting the scene (patient video)
13:40  Zudin Puthucheary
Scientific background: the known unknowns?
13:55  Brijesh Patel
The basic science - what do we know?
14:10  Claudia dos Santos
14:25  Panel discussion  @avkwong

**15:30-16:45** Renal Masterclass

Chair: Barbara Philips
Renal Masterclass
15:30  Rinaldo Bellomo, Lui Forni
Finishes 16:25

**ROOM N IRELAND – Capital Suite 1**

**13:30-14:30** ARDS Masterclass

Chairs: Charlotte Summers
ARDS over the decades: a dialogue with Gattinoni
Luciano Gattinoni, Charlotte Summers  @davidgarry2000

17:00  Intensivists Outside the Box

Chair: Gary Masterson
Learning from the Ice Man
17:00  Peter Pickkers
Lessons from diving
17:15  Peter Radermacher
Lessons from Fight Club
17:30  Leo Celi  @bhca

**17:00** Trainees Pecha Kucha Session

Chairs: Adrian Wong, Kate Tizard, Fiona Wallace  @bhca

END OF DAY 1
The State of the Art Meeting 2015

Day 2 Tuesday 8th December

08:30-09:15 Year in Review
Chair: Manu Shankar-Hari
Trauma
08:30 Andy Johnston
Sepsis
08:50 Anthony Gordon

09:15-10:30 End of Life Care and Treatment Ceilings
Chair: Tim Evans
Integrating MET teams and palliative care
09:15 Judith Nelson
Decision-making in ICU
09:30 Chris Bassford
The bioethics of DNACPR
09:45 Zoe Fritz
10:00 Panel debate

09:15-10:30 Human Factors and ICU Simulation
Chair: Nandan Gautam
What have we learned from human factors research?
09:15 Stephen Brett
Pro-con: how to deliver critical care simulation?
09:35 Mark Forrest
Sim centres are the answer
09:55 Namh Feely
10:15 Q&A

09:15-10:30 What Have We Learned from Ebola?
Chair: Tim Gould
The British military experience in Sierra Leone
09:15 Andy Johnston
Managing Ebola in a European ICU
09:35 Dominic Wichmann
Planning for future highly contagious disease in a British ICU
09:55 Dan Martin
10:15 Q&A

09:15-10:30 Early Mobilisation Workshop
Chair: Ella Segaran
Making it happen
09:20 Eddy Fan
Early rehabilitation
09:35 Carol Hodgson
What's holding us back?
09:50 Fiona Moffat
Personal experience
10:05 Phil Smith
10:20 Panel debate

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### Room England – Capital Suite 8-11

**12:30-13:30 Lunchtime Symposium**

**Maquet**

Chair and speaker: Professor Diederik Gommers

Ventilation distribution measured with EIT at varying levels of pressure support and neurally adjusted ventilatory assist in patients with ALI

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**13:30-14:45 ARDS 3 x 3: Three Experts, Three Controversies**

Chairs: John Kheir, Antoine Viellard-Baron

- Stretching the lung is not harmful (VILI doesn't exist)
  - 13:30 Gattinoni (pro) vs. Mac Sweeney (con)
- ECMO: you’re doing it wrong
  - 13:50 Gattinoni (pro) vs. Fan (con)
- ARDS definition is killing advances in the field
  - 14:10 Mac Sweeney (pro) vs. Fan (con)

**13:30-14:45 Humanising the ICU**

Chair: Tim Evans

- Trauma and stress in ICU: can we make an impact?
  - 13:30 Dorothy Wade
- Changing the conversation in the ICU
  - 13:50 Judith Nelson
- The impact of ICU environment and design
  - 14:10 Jozef Kesecioglu
- Patient experience and response
  - 14:30 Ken Halligan
  - 14:55 Panel debate

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**12:30-13:30 Lunchtime Symposium**

**NIKKISO Europe GmbH**

Chair: Lui Forni

Development and implementation of a streamlined regional citrate anti-coagulation haemofiltration protocol on the Aquarius CRRT platform

- 12:30 John Prowle
- Endotoxin adsorption in gram negative sepsis – ASSET study
  - 12:45 Miklós Lipcsey
- Perioperative tight glycemic control using an artificial endocrine pancreas with closed-loop system
  - 13:00 Kazuhiro Hanazaki

**12:45-13:30 Critical Care and Social Media: Workshop**

Chair: Anna Batchelor

Learn to use blogs, podcasts, videocasts and all about #FOAMed quick fire tutorials followed by panel discussion

Rob Mac Sweeney, Adrian Wong, Steve Mathieu, Steve Webb, Mark Forrest, Jonathan Downham

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**12:30-13:30 Lunchtime Symposium**

**Galen**

Chair: Keith Porter

Methoxyflurane - the facts

Anthony Dayan, Chris Jephcott

**13:30-14:45 ARDS 3 x 3: Three Experts, Three Controversies**

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  - 14:10 Jozef Kesecioglu
- Patient experience and response
  - 14:30 Ken Halligan
  - 14:55 Panel debate

**13:30-14:45 Big Data and Critical Care**

Chair: Derek Angus

Introduction: RCTS and big data – future fusion

- 13:30 Derek Angus
- The potential and pitfalls of big data in critical care
  - 13:40 Nazir Lone
- Big data in critical care: social and ethical issues
  - 13:55 Sarah Cunningham-Burley

**Learning from the MIMIC II database**

- 14:10 Leo Celi
  - 14:25 Q&A

**13:30-14:45 ICF Research Free Paper Presentations**

Cost-effectiveness of early parenteral versus early enteral nutrition in critically ill patients

- 13:30 Zia Sadique

Duration of antimicrobial therapy for bloodstream infections in critically ill patients in the United Kingdom

- 13:45 Thomas Hellyer

Acute MRI enhances prognostication in traumatic brain injury

- 14:00 Andrew D. Kane

Comparison of clinical sedation scores with the Responsiveness Index (RI): analysis of routine clinical data in the development and evaluation of strategies to improve sedation practice in intensive care

- 14:15 Adam Stirling

SEPSIS surviving sepsis: one-year survival following a decade of whole systems audit

- 14:30 Marc Chikhani

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**14:45 – Tea/coffee (45 min)**
The State of the Art Meeting 2015

Day 2 Tuesday 8th December

ROOM ENGLAND – Capital Suite 8-11
15:30-17:00 Learning from Acute Specialities
Chair: Steve Mathieu
Thrombocytopenia in critical illness
15:30 Jecko Thachil
The complex surgical abdomen in ICU: when do you re-open?
15:55 Janindra Warusavitarne
New UK meningitis guidelines
16:20 Duncan Wyncoll

17:00 Annual Members Meeting

ROOM SCOTLAND – Capital Suite 7 + 12
15:30-17:00 Critical Care in the UK
Chair: Stephen Brett
What makes a successful ICU?
15:30 John Knighton
What the CQC has learnt about hospitals and ICUs
15:50 Ted Baker
The future of small ICUs: the rematch
16:10 Jeremy Groves
16:30 Panel debate

ROOM WALES – Capital Suite 2-4
15:30-17:00 Rehabilitation and Recovery
Chair: Stephen Brett
What makes a successful ICU?
15:30 John Knighton
What the CQC has learnt about hospitals and ICUs
15:50 Ted Baker
The future of small ICUs: the rematch
16:10 Jeremy Groves
16:30 Panel debate

ROOM N IRELAND – Capital Suite 1
15:30-17:00 David Bennett Session
Chair: Mervyn Singer
Tales of a wandering Scot
Lessons learned (and not learned) from a career in intensive care
Derek Angus
Trainees-only session, kindly supported by the Bennett family

17:00-18:00 Symposium Aerogen Podium Session
Emerging possibilities for therapeutic aerosols
James Fink

17:00 Wine reception sponsored by Aerogen

END OF DAY 2
Day 3 Wednesday 9th December

08:30-09:15 Year in Review
Chair: Jeremy Groves
Delirium
08:30 Valerie Page
Mechanical ventilation
08:50 Carol Hodgson

09:15-10:30 The Cauldron – What can ICU do without?
Chairs: Fiona Wallace, Kate Tizard
Useless monitors and data overload: cardiac-output monitors
09:15 Daniel Wood
Human decision making
09:33 George Chapman
The doctor won’t see you now! Why ICU could do without sending families out of the room during ward rounds
09:51 Simon Lambden
A brave new world: age isn’t just a number
10:09 Charlotte Stephanie

10:30 – Tea/coffee and poster judging (45 min)

11:15-12:30 Haemoglobin – Who Needs It?
Chair: Tim Gould
Transfusion in the ICU
11:15 Tim Walsh
Synthetic blood is the answer
11:35 Chris Cooper
Intravenous iron is the answer
11:55 Shaman Jhanji
12:15 Q&A

11:15-12:30 Maternity Critical Care
OAA Joint Session
Chairs: Roshan Fernando, Gary Masterson
MBRRACE: an update for intensivists
11:15 Nuala Lucas
Equity of critical care
11:30 Audrey Quinn
Equity in maternity critical care: the obstetric perspective
11:45 Fionnuala McAuliffe
Why does critical care in obstetrics matter?
12:00 Bronnach Pemberton

11:15-12:30 Developing Non-Medical Careers in Critical Care
Chairs: Anna Batchelor, Jonathan Downham
The context: emerging patterns in workforce
11:15 Anna Batchelor
Critical Care Practitioners: setting up a service
11:25 Sarah Quinton
Implementation of critical care practitioners: the UK view
11:45 Carole Boulanger
Why go into research? Panel discussion
12:05 Carol Hodgson, Fiona Moffat, Hannah Reay, Jackie McRae

11:15-12:30 ICF Gold Medal Award Presentations
Chairs: Andrew Bentley, Paul Dark
The stress response to critical illness: beta-blockers to the rescue?
11:15 Waqas Khaliq
Metabolic signatures of pneumonia in critical care
11:33 David Antcliffe
Molecular memories and epigenetic imprints of critical illness
11:51 Simon Biddie
GDF-15, the MiR-542 cluster and miR-422a are associated with muscle wasting in intensive care unit acquired paresis
12:09 Richard Paul
Day 3 Wednesday 9th December

ROOM WALES – Capital Suite 2-4

12:30-13:30 Lunchtime Symposium

Asahi Kasei

Chair: Tim Walsh

12:30 Thrombomodulin alpha (ART-123): a new drug therapy under study for sepsis associated coagulopathy

Sepsis associated coagulopathy: still common and still important

Jim Russell

Thrombomodulin alpha (ART-123): targeting sepsis associated coagulopathy

Mark Williams

ROOM N IRELAND – Capital Suite 1

12:30-13:30 Lunchtime Symposium

Pfizer

Chair: Mervyn Singer

12:30 Managing life threatening fungal infections in the high risk ICU patient

Candida and the anti-fungals, an ICU perspective

Duncan Wyncoll

Update on candidiasis: diagnostics, therapy and resistance issues

Darius Armstrong-James

13:30 - 16:30 Closing Plenary Session

13:30-16:25 Critical Care Clinical

Chairs: Nazir Lone, Ken Baillie

13:30 Gold Medal and Honorary Membership Awards

13:35 ICF Research Priority Award

The ECCO2R/REST trial

13:45 James McNamee

The DESIST trial

14:05 Tim Walsh

Who to admit to ICU

14:25 Chris Bassford

Mechanisms of ARDS

14:45 Charlotte Summers

The EUROTHERM trial

15:05 Peter Andrews

New sepsis definition

15:25 Manu Shankar-Hari

The VANISH trial

15:45 Anthony Gordon

16:05 Close

@strachanjamie

END OF MEETING
Please use this programme and the app to find your events. Please arrive early to ensure a place. Room Northern Ireland in particular is designed as a small studio space for masterclasses and close interaction with speakers. First come, first served!

The conference app will allow you to create a schedule, and will also give you pop-up announcements. App download URL: tinyurl.com/soa-app or search for ICSSOA15 in the App store.

We have taken care to organise most of the sessions as an integrated mini-seminar, many with combined panel Q&A at end. You are still free to move rooms, but may miss things if you do.

We have redesigned the space to make both front and rear halls more user-friendly. Posters are now in the rear hall. There are soapbox-style podiums for ‘pop-up’ talks and discussions: keep an eye on these, and on announcements.

We would like to help you enjoy yourself after the meeting closes each day. There are 5pm networking events with wine on Monday and Tuesday evenings (the latter is supported by Aerogen). The registration stand will remain open until 7pm on both nights as a meeting point and to distribute advice for things to do in central London as well as nearby (people often also go to the Fox, at the other end of ExCeL).

How to use Twitter for medical conferences

If you have no Twitter account:
• Go to soa.ics.ac.uk/tweet for detailed advice and links to set up an account. It is quick, and safe.

Once you have an account:
• You can find people or topics using the search button (top right). People (or organisations) have @usernames. You can follow someone by clicking on their @username or their picture until you get to their profile page (this may take more than one click-through) and finding the follow button.
• You can also search for (and use) #hashtags which are used in posts to make ongoing topics easy to find, such as #icssoa2015
• You can reply to posts or write your own. To get new posts noticed, direct them to specific people by including their @username, or include a #hashtag.
• It’s OK to just watch for a while (unless you have questions to ask at SOA, in which case just ask, as below).

For the conference:
• When tweeting questions to a session Twitter moderator, please just post a public message using their @username to draw their attention. If there is room, you can also add #icssoa2015 in the text, so other delegates and the wall monitors can pick it up easily.

Extended notes, including how to use Twitter for CPD, are at soa.ics.ac.uk/tweet