Dept of Anaesthesia, RUH
Outputs 2015-2016

<table>
<thead>
<tr>
<th></th>
<th>2015-16</th>
<th>2014-15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant awards</td>
<td>6 (approx. £5.4 million)</td>
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<tr>
<td>Papers</td>
<td>53 (and 13 in progress)</td>
<td>42</td>
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<tr>
<td>Editorials</td>
<td>18</td>
<td>14</td>
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<tr>
<td>Reviews</td>
<td>6</td>
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<tr>
<td>Correspondence</td>
<td>36</td>
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<tr>
<td>Posters</td>
<td>40</td>
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<tr>
<td>Books</td>
<td>3 (and 2 in progress)</td>
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<td>Chapters</td>
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<td>27</td>
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<tr>
<td>Presentations</td>
<td>99</td>
<td>82</td>
</tr>
<tr>
<td>Awards and prizes</td>
<td>22</td>
<td>13</td>
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**Who was involved?**

<table>
<thead>
<tr>
<th></th>
<th>2015-16</th>
<th>2014-15</th>
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<tr>
<td>Trainees</td>
<td>45</td>
<td>56</td>
</tr>
<tr>
<td>Consultants + CRRG</td>
<td>17 + 0</td>
<td>20 + 1</td>
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</tbody>
</table>
Research Grants 2015-16

Loosley A, Cook TM. £11,684.85 [NIAA/AAGBI] Satisfaction and Wellbeing in Anaesthetic Training (SWeAT) 2016 (Co-applicant with Dr Alex Loosley)

Foy K. £2800 AAGBI International Relations Council Grant – Research in Zambia.


Nolan JP. Co-applicant for NIHR Health Service and Delivery Research Programme Grant (HS&DR – 12/178/18) Avoidable mortality from in-hospital cardiac arrest: Have interventions aimed at recognising and rescuing deteriorating patients made an impact on incidence and outcomes? 2014 – 2016 Chief Investigator Dr Helen Hogan, London School of Hygiene & Tropical Medicine £383,865.

Nolan JP. Co-applicant for NIHR Health Technology Assessment Programme Grant (HTA - 12/127/126) for a randomised placebo controlled trial of adrenaline for out of hospital cardiac arrest. Chief Investigator Prof. Gavin D Perkins, University of Warwick. 2014 – 2019 £2,724,486.00

Nolan JP. Co-applicant for NIHR Health Technology Assessment Programme Grant (HTA-12/167/102) for a randomised trial of the effectiveness of a supra-glottic airway device versus tracheal intubation in the initial airway management of out of hospital cardiac arrest (AIRWAYS-2). Chief Investigator Prof. Jonathan Benger, University Hospitals Bristol NHS Foundation Trust. 2014 – 2018 £2,099,812

Cook TM. £170,000 Funding of National audit projects (internal funding) NAP6 £160,000

[£30,000 to the Aware Collaboration from Wellcome as part of the NAP5 project. (Applicants JJ Pandit and A Morley) TM Cook Led for wider project]
Prizes and Awards 2015-2016


5. Right patient, wrong operation - reviewing the indication for surgery can be an important component of the anaesthetic assessment. Bower J. AAGBI WSM Dec 2016. 2nd Best case report poster.


8. Foy K. SASWR Ross Davis Adventure award to travel, work and undertake research in Zambia.


Winner best overall poster WEAHSN Patient Safety Conference October 2015

   Goodwin A.

15. Mushin Medal, Society of Anaesthetists of Wales, March 2017
   Goodwin A.

16. Honorary Professor of resuscitation, University of Bristol, 2015
   Nolan JP

17. Liaison Committee on Resuscitation (ILCOR) International Resuscitation Giant Feb 2015 (Five such awards are made internationally every 5 years)
   Nolan JP.

   Nolan JP (In recognition of contributions to resuscitation science).

19. Honorary Professor of Anaesthesia, University of Bristol, 2015
   Cook TM

20. Humphry Davy Award, Royal College of Anaesthetists 2016
   Cook TM and the NAP5 team

   Cook TM.

   Cook TM

   Cook TM and NAP5 team

24. Irish Healthcare Awards 2015: An Duais Mhóir trophy Overall winner (from all individual award winners) and Best Hospital Project; Pandit JJ, Cook TM, and on behalf of the 5th National Audit Project (NAPS) of the Royal College of Anaesthetists and the Association of Anaesthetists of Great Britain and Ireland, and the College of Anaesthetists of Ireland. Accidental awareness during general anaesthesia report and findings.
   http://www.irishhealthcareawards.ie/
Notable bibliometrics

**Difficult airway management**
A paper in press (Anaesthesia and analgesia 2017) analyses 2015 global Difficult Airway Literature over the last 30 years
The RUH dept of anaesthesia was ranked no 3 in terms of productivity (No 1 in Europe)
No 3 in terms of citations (No 1 in Europe).
RUH has the individual author ranked No 1 in terms of productivity and No 4 in terms of citations.

**BJA most cited rankings.**
As of November 2016.
The NAP4 study is the most cited paper in BJA ever (NAP4 ICU paper no 3 and NAP3 paper no 6). All first authored from RUH.
Publications 2015-16

Original articles


35. Cardiac arrest and cardiopulmonary resuscitation outcome reports: update of the Utstein resuscitation registry templates for out-of-hospital cardiac arrest. A statement for healthcare professionals from a task force of the International Liaison Committee on Resuscitation


43. The State of UK Dental Anaesthesia in 2013: results from the NAP5 Activity Survey. Sury M, Palmer JHMacG, Cook TM, Pandit JJ. Society for the advancement of Anaesthesia in Dentistry Digest 2016; 32: 34-6

44. The 'go-between' study: a simulation study comparing the 'Traffic Lights' and 'SBAR' tools as a means of communication between anaesthetic staff. MacDougall-Davis SR, Kettley L, Cook TM.
45. Design and methodology of SNAP-1: a Sprint National Anaesthesia Project to measure patient reported outcome after anaesthesia. Moonesinghe SR, EMK, Bell M and the SNAP-1 investigator group (Collaborator Cook TM). Perioperative Medicine 2015 4:4


51. Patient reported outcome after anaesthesia in the UK: a 2-day National cohort study. EMK Walker EMK, Bell M, Cook TM, Grocott MPW, Moonesinghe SR, for the SNAP-1 investigator group. BJA 2016: 117: 758-66. [with editorial]

52. A National Survey of Videolaryngoscopy in the United Kingdom. TM Cook, Kelly F. BJA in press Feb 2017

53. Forget your troubles come on get 'appy'. Penders R. Anaes News June 2016


57. Using the Safer Clinical Systems approach and Model for Improvement methodology to decrease Venous Thrombo-Embolism in Elective Surgical Patients – Humphries A, Peden C, Jordan L, Crowe J. [http://qir.bmj.com/cgi/content/full/bmjquality.u210590.w.4267](http://qir.bmj.com/cgi/content/full/bmjquality.u210590.w.4267)


In Prep

59. Fluid-TRIPS (Fluid Translation of Research into Practice Study) 2015 – Included authors Penketh J, Nolan J. submitted for publication


64. Opiate Use in ICU Sedation – A regional Survey. Ker-Reid F, Coupe M, Somerset L. Accepted by STAR pending comments/revisions. In prep


66. Regional Survey of preoperative assessment clinics – STAR project, locally completed by Hardy & Ker-Reid F, Hardy R. in write up.

Collaboration in Multicentre studies


68. SNAP1 2015

69. PEACE 2016
Abstracts


Editorials


1. Right patient, wrong operation - reviewing the indication for surgery can be an important component of the anaesthetic assessment. **Bower J.** AAGBI WSM Dec 2016.


4. The obstetric sepsis Tea-trolley. **McDonald M, Jordan L.** University of Bath/ RUH Research showcasing event June 2015


6. Novice Peer Teaching Programme, Society for Education in Anaesthesia (UK) 17th ASM* **Ker-Reid F.** March RCoA 2016

7. ACCS Buddy Programme, Society for Education in Anaesthesia (UK) 17th ASM* **Ker-Reid F.** March RCoA 2016


29. Using pre-filled atropine syringes in emergency obstetric theatres. Mew E. POAG/COMMA South West regional Obstetric meeting Nov 16


35. Improving Epidural Information. Ker-Reid F, Todd A, McDonald M, Marsh C. WOA 2016


37. Pneumonia screen in ICU and improvement in management. Sharvill R. ISICEM, Brussels 2016


39. Hamman’s Syndrome. Ion , Ker-Reid F, McDonald M. British Maternal and Fetal Medicine Society Accepted 2017

40. Primary anastomosis or defunctioning stoma in emergency laparotomy. Somerset A, Ker-Reid F, Georgiou A. International Symposium on Intensive Care and Emergency Medicine. Accepted 2017
Correspondence

1. Second generation supraglottic airway devices are as effective and likely to be safer in children. Mulcahy KM, Kelly FE. Accepted as e-letter by BJA June 2016  
http://bja.oxfordjournals.org:80/cgi/eletters/aew054v1#13816

http://bja.oxfordjournals.org:80/cgi/qa-display/brjana_forum;1

3. EZ-IO® intraosseous access teaching in the workplace using a mobile 'tea trolley' training method. Penketh J, McDonald M, Kelly FE. Accepted as a letter by Resuscitation November 2015.


http://bja.oxfordjournals.org:80/cgi/eletters/aeu266v1#11961


http://bja.oxfordjournals.org:80/cgi/eletters/113/4/549#12000

http://bja.oxfordjournals.org:80/cgi/eletters/113/4/549#12049

13. The Obstetric RSI. Cook TM, Pandit JJ, Bogod D, Lucas N, Plaat F. (Reply to Nerrer and Babatunde) Br J Anaes 2015; 115; 325


29. Videolaryngoscopy in the critically ill: good quality randomised controlled trails are needed. **Cook TM.** BJA eletter July 2016. (resopone to Natt BS, Malo J, Hypes CD, Sakles JC and Moiser JM) [http://bja.oxfordjournals.org/content/early/2016/05/23/bja.aew061/reply#brjana_el_13889]


35. FONA: The importance of the correct (obese) models and (trained) participants in study design. **Kelly FE, Cook TM.** Anesthesiology Oct 2016. (in press)

36. How to get the best out of videolaryngoscopy (response to Xue) BJA **Cook TM, Kelly FE.** BJA Submitted Dec 2016 (in press Feb 2017)
Reviews


Books
Edited


Chapters


Airway assessment and management section. Cranshaw J, **Cook TM**.

**Airway assessment**

**Inhalational induction**

**Rapid sequence induction**

**Awake intubation**

**Management of the difficult airway**

**Difficult and failed intubation**

**The obstructed airway**

**Hazardous extubation**
16. Airway management for out patient Breast surgery. **Cook TM, Keith A.** In Doyle and Abdelmalik Clinical Airway Management; An Illustrated Case-Based Approach. CUP 2016

Airway emergencies section Cranshaw J, **Cook TM**.
Unexpected difficult intubation
Anticipated difficult intubation
Difficult mask ventilation
Can’t intubate can’t ventilate
Rapid sequence induction
Bronchial intubation
Oesophageal intubation
Hazardous extubation
Pulmonary aspiration
Laryngospasm
Airway fire

Respiratory emergencies section. Walton B, **Cook TM**.
Difficult ventilation
Hypoxia
Hypercapnia
Hypocapnia
Tension pneumothorax
Non-tension pneumothorax
Pulmonary oedema
Status asthmaticus
Massive haemoptysis
Gas embolus

19. Complications of airway management. **Ray A, Cook TM.** In "Vía Aérea para Todos" ("Airway for All"). Edited by R Uturbia.

**Cook TM**

BBC 1 TV. BBC breakfast (15th July 2015).

A discussion about risks of awareness during general anaesthesia (on the back of NAP5 and subsequent research).

BMA award

http://m.bathchronicle.co.uk/Royal-United-Hospital-consultant-lands-British/story-27897883-detail/story.html

**The Aware Collaboration 2014 and 2015**

As part of the NAP5 project we created a ‘public launch’ as a way of communicating the science of awareness to the public in a novel manner. An inter-disciplinary project was developed over two years. This was led by Drs Morley and Pandit (anaesthetists), Professor Zev Gordon (composer University of Birmingham) and the poet Ruth Padel, under the umbrella of NAP5. I was involved both in organisation and performance. A new work of poetry was commissioned (Ruth Padel) made up from the verbatim reports of patients’ experiences during awareness as reported to NAP5. This was then set to music (Michael zev Gordon). The final piece was called Into the Dark.

The launch and premiere of into the dark was at the Royal Society of Medicine, London (Awake RSM). The program was part of the RSM’s public engagement program included a series of lectures on consciousness, anaesthesia and NAP5 by the contributors and Oxford Professor of Neuroscience Susan Greenfield, a round-table discussion between scientists and artists, and music on the subject of dreams and consciousness alongside the new work. https://www.rsm.ac.uk/awake

The Aware performance was also taken to the Oxfordshire Science Festival and the University of Birmingham’s Art and Science Festival. The project was funded by the Wellcome Trust (£30,000 and extension grant). I spoke at the London and Birmingham events. In attendee feedback 86% rated my talk as good/excellent.

The Aware Collaboration was featured in a BBC World Service ‘Weekend’ interview/ discussion (14th Sept 2014: Fergus Nicoll (presenter) with Elif Shafak (Turkey’s award-winning novelist) and Sadakat Kadri (barrister and writer)). The BBC World Service gets 1.3 million listeners per week. Elif Shafak tweeted a soundcloud recording to her 1.6 million followers. By May 2015, the SoundCloud recording had been visited 1,076 times.

(https://twitter.com/elif_safak/status/511202672725491712).

Resonance FM, the award-winning, London-based arts radio station, recorded and broadcast a one hour programme about the Aware Collaboration in October as part of their Frequencies series. This featured a full-length recording of the RSM performance of Into the Dark with excerpts from the panel discussions and interviews with Andrew Morley and Michael Zev Gordon.'

**Jordan LC**

September 2016 Interview ITV news – Sepsis awareness and RUH innovative training programme

September 2016 Radio interview BBC radio Wiltshire – Sepsis awareness and RUH training programme
November 2016 Video made by NHS Improvement of RUH Quality and Service Improvement and Redesign Training programme (QSIR) – shown on social media to promote excellent QI training being developed at RUH

June 2016 Press release Bath Chronicle – Finalist for Patient Safety Care Awards 2016- Safety in Surgical procedures and Improvement in Sepsis Management with innovative training programme

Doctors contracts. Sharvill RJ. Letters. The Times (UK) 24 September 2015
EXTERNAL ACTIVITIES

Board memberships
1. Resuscitation
2. British Journal of Anaesthesia
3. BJA Education
4. Peri-operative medicine
5. Notfall & Rettungsmedizin
6. Indian Journal of Anaesthesia

Reviewer for Journals by department members
1. New England Journal of Medicine
2. American Journal of Respiratory and Critical Care Medicine
3. Circulation
4. Intensive Care Medicine
5. Resuscitation
6. British Journal of Anaesthesia
7. Anesthesiology
8. Anaesthesia and Analgesia
9. Journal of Clinical Anaesthesia
10. European Journal of Neurology
11. Anaesthesia
12. American Journal of Infection Control
13. Points West: Journal of the Society of Anaesthesits of the South West Region
14. Biomed Central Emergency Medicine
15. International Journal of Obstetric Anaesthesia
16. Journal of Postgraduate Medicine
17. Lancet
18. Pediatric Anesthesia
19. Minerva Anesthesiologica
20. Cochrane Reviews
22. Anesthesiology Research and Practice
23. Canadian Journal of Anaesthesia
24. Tohoku Journal of Experimental Medicine, Japan
25. Southern Medical Journal
26. Local and Regional Anesthesia
27. International Journal of Medical Education
28. Canadian Medical Association Journal
29. Pediatrics
30. Journal of Anaesthesia and Clinical research
31. Transactions of the Royal Society of Tropical Medicine and Hygiene
32. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine
33. Journal of the Intensive Care Society
34. Critical Care
35. Case reports in Anesthesiology
36. Continuing Education in Anaesthesia, Critical Care and Pain
37. Postgraduate Medical Journal
38. BMJ open

Expert or external reviewer for academic literature, grant giving bodies and publishers
1. Singapore National Medical Research Council
2. National Institute of Academic Anaesthesia (NIAA)
3. Wellcome Trust
4. Resuscitation Council
5. NICE Medical technologies assessment program
7. AAGBI
8. PASA Centre for evidence based purchasing
9. Difficult Airway Society
10. National Tracheostomy Safety Project
11. National Institute for Social Care and Health Research (NISCHR), Research for Patient and Public Benefit (RfPPB)
12. Leeds University and Hospitals NHS
13. Ghent University, Belgium
14. Maastricht University, Netherlands
Presentations
(an incomplete list for 2015-16)

1. ‘BUNS screening’ in pneumonia in ICU. Mulcahy K, Sharvil R. South of Devon Intensive Care meeting trainee prize June 2016


3. Seizures in the 2nd trimester. Lehane D, McDonald M. POAG/COMMA Southwest Regional Obstetric Meeting, Nov 2016, Taunton

4. British Assoc of HIV and Sexual Health (Southwest) 2015 - Universal testing for HIV on ICU – Results of our change in practice Sharvil R.


K Gupta
Coroner’s Inquests – a survival guide. Society of Anaesthetists of the South Western Region. 3-4th Dec 2015.

A Georgiou
Sepsis 3.0. SICOWE Feb 2017

S Gold
Best perioperative fluid management. RCoA Feb 2017

What is good perioperative fluid management? RCoA, Sept 2016

Opposed the motion: This house believes the anaesthetist should lead the perioperative medicine team. RCoA, Feb 2016

A Goodwin

RCoA Final FRCA Revision Course, Jan 2016
Acid Base Balance
NCEPOD
RCoA First Consultant job, March 2016
Local Leadership & Management

RCoA, After the Final FRCA, March 2017
How to enhance your CV
Job application, shortlisting & Interview

Society of Anaesthetists of Wales, March 2017
Mushin Lecture
NCEPOD: conceived in Wales, thriving in the UK

Updates in anaesthesia, critical care and pain management. May 2016 Liverpool.
Just say sepsis.

Emergency Laparotomy Collaborative II. Reading March 2016
Just Say Sepsis.

KSS Patient Safety Collaborative: Sepsis Learning Event February 2016
NCEPOD Sepsis report.

The Consultant Interview AAGBI, January 2016
How to be no.1 on the day

L Jordan
Avoiding harm across multidisciplinary teams by embedding a high quality checklist to prevent Never Events. Jordan L. HSJ/NT Patient Safety Care Awards July 2016


Organised and chaired 2nd Regional Sepsis Master class, June 2015, Bath

Organised and chaired 3rd Regional Sepsis Master class, February 2016, Taunton

Accredited as NHS Improvement Trainer for Quality and Service Improvement course (QSIR) and associate member of NHS Improvement QSIR College – developed RUH QSIR course

TM Cook
Awake- Birmingham University, March 2015
Main results of NAP5

Quality Improvement and Research co-ordinator’s day, London, March 2015
NAPs – past and future

Department presentation, Bath, March 2015
NAP5

South African society of anaesthetists, Durban, South Africa, March 2015
Which SAD should I use?
What lessons from NAPs for obstetric anaesthetists?
NAP5 and awareness during general anaesthesia.

RCoA Perioperative Safety meeting, May 2015
NAP5?

Clinical Trials collaborative meeting, Prato, Italy June 2015
Lessons from NAP5

Current controversies meeting, Dingle Ireland Oct 2015
Do the NAPs make any long term difference?
An overview of NAP5 and key lessons.

SIAARTI, Bologna, October 2015
What to audit in airway management on ICU four years on from NAP4?

World airway Management Meeting, Dublin, Nov 2015
NAP4: the aftermath

Winter symposium of the RCoA, RCoA Nov 2015
Awareness and communication: lessons and practical advice from NAP5.

CPD update day, RCoA Nov 2015
Videolaryngoscopy for all?

Covidien symposium on capnography, Dec 2015
Capnography in ICU

SASWR, Dec 2015
Airway 2015: the new guidelines and the modern DGH

Storz Airway Academy, Berlin, December 2015
Universal videolaryngoscopy – is it feasible?
Storz Airway Academy, Berlin, December 2015
NAP4 – lessons and actions

SICOWE, Chepstow 4 Feb 2016
Videolaryngoscopy in the critically ill.

Wessex ICS, Winchester. Feb 2016
The Airway: ICU matters.

Airway Leads day, RCoA London. March 2016
NAP4 recommendations, curriculum or DAS guidelines. Where should we focus our efforts?

Royal Society of Medicine, RSM London. April 2016
TIVA and NAP5

2nd generation SADs: pushing the boundaries
Supraglottic airway devices: airway workshop.
NAP4 was a wake up call for anaesthetists: where are we in 2016?
Management of the airway in the patient with borderline oxygenation.

Emergency Laparotomy collaborative AHSN meeting, Reading, September 2016
Lessons from quality improvement in emergency Laparotomy in Bath

Learning from complications of anaesthesia: the national audit projects

International Airway Management society meeting, Guangzhou, China November 2016
*The 4th National audit project and its impact on airway safety in the UK

Difficult Airway Society Annual scientific meeting, Torbay. November 2016
Universal videolaryngoscopy – Is it desirable? Is it feasible?

Tata Memorial Hospital International Airway Meeting, Mumbai, India 2016 Dec
Cricoid pressure – balancing risk and benefits.
A unified classification for SADs – does it really matter?
Emergency front of neck airway – surgical cricothyroidotomy should be the only plan.

Tata Memorial Hospital International airway Meeting, Mumbai, India 2016 Dec
Keynote
*NAP4 and its impact on the DAS 2016 guidelines and those to come.

Nolan J
<table>
<thead>
<tr>
<th>Topic</th>
<th>Event</th>
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<tbody>
<tr>
<td>Keeping up to date with advanced life support</td>
<td>The Association of Anaesthetists of Great Britain and Ireland Winter Scientific Meeting, London January 2015</td>
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<tr>
<td>Cardiac arrest centres</td>
<td>Society of Intensive Care of the West of England Annual Meeting, Chepstow, Jan 2015</td>
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<tr>
<td>Should we centralize ICU? Cardiac arrest centres</td>
<td>35th International Symposium on Intensive Care and Emergency medicine, Brussels, Belgium, March 2015</td>
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<tr>
<td>Therapeutic hypothermia – Still a place after cardiac arrest?</td>
<td>35th International Symposium on Intensive Care and Emergency medicine, Brussels, Belgium, March 2015</td>
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<tr>
<td>CPR – should we still use epinephrine?</td>
<td>35th International Symposium on Intensive Care and Emergency medicine, Brussels, Belgium, March 2015</td>
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<td>CPR Guidelines</td>
<td>35th International Symposium on Intensive Care and Emergency medicine, Brussels, Belgium, March 2015</td>
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<td>Trends in hospital mortality for admissions following CPR</td>
<td>18th Annual Meeting of the ICNARC Case Mix Programme, London April 2015</td>
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<tr>
<td>Cerebral oximetry during and after cardiac arrest</td>
<td>European Society of Intensive Care Medicine Lives 2015 Conference, Berlin, Germany Oct 2015</td>
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<tr>
<td>Resuscitation guidelines – the process</td>
<td>5th NCAA Annual Meeting, London October 2015</td>
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<tr>
<td>Oxygenation and ventilation targets</td>
<td>Resuscitation 2015 European Resuscitation Council Scientific Symposium, Prague, Czech Republic Oct 2015</td>
</tr>
<tr>
<td>Year in review: cardiac arrest</td>
<td>Resuscitation Science Symposium American Heart Association Scientific Sessions 2015, Orlando, FL USA, November 2015</td>
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<tr>
<td>Post-resuscitation care in adults</td>
<td>Resuscitation Council (UK) Scientific Symposium, Birmingham, November 2015</td>
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<tr>
<td>RSI and preoxygenation: Pros and cons - clinical evidence</td>
<td>Royal College of Anaesthetists Winter Symposium, London, November 2015</td>
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<td>Preferred airway and ventilation strategy in out of hospital cardiac arrest</td>
<td>International Resuscitation Science Symposium, Singapore, February 2016</td>
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<td>Targeted temperature management</td>
<td>36th International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium, March 2016</td>
</tr>
<tr>
<td>Controversies in CPR</td>
<td>36th International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium, March 2016</td>
</tr>
<tr>
<td>Airway management during CPR</td>
<td>36th International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium, March 2016</td>
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<tr>
<td>Still a place for epinephrine?</td>
<td>36th International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium, March 2016</td>
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<tr>
<td>ALS Guidelines – why the changes were made</td>
<td>BASICS South West Study Day, Southmead Hospital, Bristol, April 2016</td>
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<td>ALS Guidelines</td>
<td>Dubrovnik Summer School for Emergency Medicine, Dubrovnik, Croatia August 2016</td>
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<tr>
<td>Special circumstances</td>
<td>Dubrovnik Summer School for Emergency Medicine, Dubrovnik, Croatia August 2016</td>
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<td>Topic</td>
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<tr>
<td>The road to public reporting</td>
<td>6th NCAA Annual Meeting, London October 2016</td>
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<tr>
<td>Back from the brink of death - cardiopulmonary resuscitation, past, present and future</td>
<td>Inaugural lecture, University of Bristol, Bristol, October 2016</td>
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<td>Post resuscitation ICU care</td>
<td>Critical Care Issues 2016, 10th Symposium on Intensive Care, Bruges, Belgium, October 2016</td>
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<tr>
<td>Recent advances in cardiac resuscitation</td>
<td>Lifetime Achievement Award, Resuscitation Science Symposium American Heart Association Scientific Sessions 2016, New Orleans, LA, USA, November 2016</td>
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