

**Dept of Anaesthesia, RUH  
Outputs 2015-2016**

	2015-16	2014-15
<b>Grant awards</b>	<b>6 (approx. £5.4 million)</b>	not captured
<b>Papers</b>	<b>53 (and 13 in progress)</b>	42
<b>Editorials</b>	<b>18</b>	14
<b>Reviews</b>	<b>6</b>	4
<b>Correspondence</b>	<b>36</b>	35
<b>Posters</b>	<b>40</b>	21
<b>Books</b>	<b>3 (and 2 in progress)</b>	5
<b>Chapters</b>	<b>20</b>	27
<b>Presentations</b>	<b>99</b>	82
<b>Awards and prizes</b>	<b>22</b>	13
 <b><u>Who was involved?</u></b>		
<b>Trainees</b>	<b>45</b>	56
<b>Consultants + CRRG</b>	<b>17 + 0</b>	20 + 1

## 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 Programme Development Grant (RP-DG-0612-10004) Improving Outcomes from Out of Hospital Cardiac Arrest: The Cardiac Arrest Individual Registry and Outcomes (CAIRO) Programme. 2013 – 2015 Chief Investigator Prof. Jonathan Benger, University Hospitals Bristol NHS Foundation Trust. £99,979.00

**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

1. 'Neuron specific enolase (NSE) analysis for neuroprognostication following out of hospital cardiac arrest (OHCA): implementation and initial results from a district general hospital' **Gosling M, Ray A, Nolan JP**. President's Prize for Oral presentation, Society of Intensive care of the West of England Feb 2017
2. Peri-operative management of the obese patient. A regional review of AAGBI guideline compliance. **Foy K, Hardy R**. AAGBI Winter Scientific Meeting, London, January 2017. Silver medal in group.
3. 'BUNS screening' in pneumonia in ICU. **Mulcahy K, Sharvill R**. Best presentation. South of Devon Intensive Care meeting trainee prize June 2016
4. FONA and human factors. **Cooper R**. Best presentation– Society of Intensive Care of the West of England Feb 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. 2<sup>nd</sup> Best case report poster.
6. C-Mac Videolaryngoscopy - the anaesthetic assistant's view. **Jones L, Mulcahy K, Fox J, Kelly FE, Cook TM**. (Presented by Lydia Jones DAS November 2016, Torbay). Wild card 2<sup>nd</sup> prize.
7. Two local produced short films to improve satisfaction with paediatric anaesthesia. **Leslie R, Hardy R, Hersch P, Kelly FE**. Oral presentation at SASWR meeting, Bristol 2015 SASWR trainee prize 2015.
8. **Foy K**. SASWR Ross Davis Adventure award to travel, work and undertake research in Zambia.
9. Avoiding harm across multidisciplinary teams by embedding a high quality checklist to prevent Never Events. **Jordan L**. Finalist HSJ/NT Patient Safety Care Awards July 2016
10. Improving Awareness of sepsis in the public and in primary care. Lucas E, **Jordan L**, Hersch E. Best poster Regional Sepsis Master class, Taunton February '16.
11. Improving early recognition and treatment of sepsis using an innovative campaign as well as frontline 'tea - trolley' teaching. **Jordan L**. Finalist HSJ/NT Patient Safety Care Awards July 2016
12. The obstetric sepsis tea- trolley. **McDonald M, Jordan L**. Winner best poster University of Bath/ RUH Research showcasing event June 2015
13. The 'Phlebotomy Box': Improving Handover within the Phlebotomy Service. Saunbury E, Howarth G, Hotton E, **Jordan L**, Ward A.

Winner best overall poster WEAHSN Patient Safety Conference October 2015

14. Humphry Davy Medal, RCoA, 2016

**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.**

18. American Heart Association Lifetime Achievement Award November 2016.

**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

21. Rowling Medal, Yorkshire Society of anaesthetists, March 2017.

**Cook TM.**

22. International airway Management Society– Distinguished Research Award 2016

**Cook TM**

23. BMA Book awards winner: Best Anaesthesia book 2014 – 2015

**Cook TM** and NAP5 team

24. Irish Healthcare Awards 2015: An Duais Mhór 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 (NAP5) 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

1. Dramatic resuscitation with Intralipid in an epinephrine unresponsive cardiac arrest following overdose of amitriptyline and propranolol. **Le Fevre P, Acharya K, Gosling M, Georgiou A.** BMJ Case Rep 2017. doi:10.1136/bcr-2016-218281
2. Pseudo-outbreaks of *Stenotrophomonas maltophilia* on an intensive care unit in England. Waite TD, **Georgiou A**, Abrishamie M, Beck CR. J Hosp Infection. 2016: 1-5.
3. Rescuing the obese or burned airway: are conventional training manikins adequate? A simulation study. **Howes T, Lobo C, Kelly FE, Cook TM.** British Journal of Anaesthesia <http://www.ncbi.nlm.nih.gov/pubmed/25296912> 2015; 114: 136-42. doi: 10.1093/bja/aeu336. Epub 2014 Oct 8. [Accompanying editorial in March 2015 BJA by Michael Kristensen]. Also featured in Survey of Anesthesiology: [2015; 59: 219–220](#). doi: 10.1097/01.SA.0000470068.83390.2d
4. Macroscopic barotrauma by stiff and soft-tipped airway exchange catheters: an in vitro model. **Axe R, Middleditch A, Kelly FE, Batchelor TJ, Cook TM.** Anesth Analg. 2015; 120: 355-61.
5. Adopting universal testing for HIV in intensive care for patients admitted with severe pneumonia: results from our change in practice. **Sharvill RJ, Fernandes A, Allen K, Astin J.** International Journal of STD and AIDS 2017; 28: 88-90
6. Just Say Sepsis. **Goodwin A**, Srivastava V, Shotton H, Protopapa K, Butt A, Mason M. London; National Confidential Enquiry into Patient Outcome and Death 2015
7. Assessment of an urgency classification for assisted vaginal delivery. Leslie RA, Kinsella SM, **Astin J, Tuckey J.** Journal of Obstetrics and Gynaecology 2016 DOI: 10.1080/01443615.2016.1233949
8. The acute psychobiological impact of the intensive care experience on relatives. Turner-Cobb JM, Smith PC, Ramchandani P, Begen FM, **Padkin A.** Psychol Health Med. 2016; 21: 20-6.
9. A Randomised tRial of Expedited transfer to a cardiac arrest centre for non-ST elevation ventricular fibrillation out-of-hospital cardiac arrest: The ARREST pilot randomised trial. Patterson T, Perkins GD, Joseph J, Wilson K, Van Dyck L, Roberston S, Nguyen H, McConkey H, Whitbread M, Fothergill R, Nevett J, Dalby M, Rakhit R, MacCarthy P, Perera D, **Nolan JP**, Redwood SR. Resuscitation 2017;
10. Lockey DJ, Crewdson K, Davies G, Jenkins B, Klein J, Laird C, Mahoney PF, **Nolan J**, Pountney A, Shinde S, Tighe S, Russell MQ, Price J, Wright C. AAGBI: Safer pre-hospital anaesthesia 2017. Anaesthesia 2017; 72: 379–390.

11. Anderson LW, Granfeldt A, Callaway C, Bradley SM, Soar J, **Nolan JP**, Kurth T, Donnino MW for the American Heart Association's Get With The Guidelines – Resuscitation Investigators. Association between tracheal intubation during adult in-hospital cardiac arrest and survival. *JAMA* 2017; 317: 494–506.
12. Hawkes C, Booth S, Ji C, Brace-McDonnell SJ, Whittington A, Mapstone J, Cooke MW, Deakin CD, Gale CP, Fothergill R, **Nolan JP**, Rees N, Soar J, Siriwardena AN, Brown TP, Perkins GD; OHCAO collaborators. Epidemiology and outcomes from out-of-hospital cardiac arrests in England *Resuscitation* 2017; 110: 133–140.
13. Deakin CD, Yang J, Nguyen R, Zhu J, Brett SJ, **Nolan JP**, Perkins GD, Pogson DG, Parnia S. Effects of epinephrine on cerebral oxygenation during cardiopulmonary resuscitation: a prospective cohort study. *Resuscitation* 2016; 109: 138–44.
14. Taylor J, Black S, J Brett S, Kirby K, **Nolan JP**, Reeves BC, Robinson M, Rogers CA, Scott LJ, South A, Stokes EA, Thomas M, Voss S, Wordsworth S, Bengier JR. Design and implementation of the AIRWAYS-2 trial: A multi-centre cluster randomised controlled trial of the clinical and cost effectiveness of the i-gel supraglottic airway device versus tracheal intubation in the initial airway management of out of hospital cardiac arrest. *Resuscitation* 2016; 108: 75–81.
15. Perkins GD, Quinn T, Deakin CD, **Nolan JP**, Lall R, Slowther AM, Cooke M, Lamb SE, Petrou S, Achana F, Finn J, Jacobs IG, Carson A, Smyth M, Han K, Byers S, Rees N, Whitfield R, Moore F, Fothergill R, Stallard N, Long J, Hennings S, Horton J, Kaye C, Gates S. Pre-hospital Assessment of the Role of Adrenaline: Measuring the Effectiveness of Drug administration In Cardiac arrest (PARAMEDIC-2): Trial protocol. *Resuscitation* 2016; 108: 75-81.
16. Increasing survival after admission to UK critical care units following cardiopulmonary resuscitation. **Nolan JP**, Ferrando P, Soar J, Bengier J, Thomas M, Harrison DA, Perkins GD. *Critical Care* 2016;20:219
17. Cerebral Oximetry During Cardiac Arrest: A Multicenter Study of Neurologic Outcomes and Survival. Parnia S, Yang J, Nguyen R, Ahn A, Zhu J, Inigo-Santiago L, Nasir A, Golder K, Ravishankar S, Bartlett P, Xu J, Pogson D, Cooke S, Walker C, Spearpoint K, Kitson D, Melody T, Chilwan M, Schoenfeld E, Richman P, Mills B, Wichtendahl N, **Nolan J**, Singer A, Brett S, Perkins GD, Deakin CD. *Crit Care Med.* 2016; 44: 1663–74.
18. Risk-adjusted survival for adults following in-hospital cardiac arrest by day of week and time of day: observational cohort study. Robinson EJ, Smith GB, Power SG, Harrison DA, **Nolan J**, Soar J, Spearpoint K, Gwinnutt C, Rowan KM. *BMJ Qual Saf* 2016;25:832–841.
19. Randomised comparison of the effectiveness of the laryngeal mask airway supreme, i-gel, and current practice in the initial airway management of out of hospital cardiac arrest: a feasibility study. Bengier J, Coates D, Davies S, Greenwood R, **Nolan J**, Rhys M, Thomas M, Voss S. *Brit J Anaesth* 2016;116:262–8.

20. Management of cardiac arrest survivors in UK intensive care units: a survey of practice. Ford AH, Clark T, Reynolds EC, Ross C, Shelley K, Simmonds L, Bengner J, Soar J, **Nolan JP**, Thomas M. *Journal of the Intensive Care Society* 2016;17:117–121.
21. Temperature Management After Cardiac Arrest: An Advisory Statement by the Advanced Life Support Task Force of the International Liaison Committee on Resuscitation and the American Heart Association Emergency Cardiovascular Care Committee and the Council on Cardiopulmonary, Critical Care, Perioperative and Resuscitation. Donnino MW, Andersen LW, Berg KM, Reynolds JC, **Nolan JP**, Morley PT, Lang E, Cocchi MN, Xanthos T, Callaway CW, Soar J. *Circulation* 2015;132:2448–2456.  
Co-published in *Resuscitation* 2016;98:97–104.
22. European Resuscitation Council and European Society of Intensive Care Medicine 2015 Guidelines for post-resuscitation care. **Nolan JP**, Soar J, Cariou A, Cronberg T, Moolaert VRM, Deakin CD, Bottiger BW, Friberg H, Sunde K, Sandroni C. *Intensive Care Medicine* 2015; 41: 2039–56.
23. European Resuscitation Council and European Society of Intensive Care Medicine Guidelines post-resuscitation care: Section 5 of the European Resuscitation Guidelines for Resuscitation 2015. **Nolan JP**, Soar J, Cariou A, Cronberg T, Moolaert VRM, Deakin CD, Bottiger BW, Friberg H, Sunde K, Sandroni C. *Resuscitation* 2015;95:201-21.
24. Monsieurs KG, **Nolan JP**, Bossaert LL, Greif R, Maconochie IK, Nikolaou NI, Perkins GD, Soar J, Truhlář A, Wyllie J, Zideman DA; ERC Guidelines 2015 Writing Group. European Resuscitation Council Guidelines for Resuscitation 2015 Section 1. Executive Summary. *Resuscitation* 2015; 95: 1-80.
25. European Resuscitation Council Guidelines for Resuscitation 2015: Section 3. Adult Advanced Life Support. Soar J, **Nolan JP**, Böttiger BW, Perkins GD, Lott C, Carli P, Pellis T, Sandroni C, Skrifvars MB, Smith GB, Sunde K, Deakin CD; Adult advanced life support section Collaborators. *Resuscitation* 2015; 95: 100–147.
26. European Resuscitation Council Guidelines for Resuscitation 2015: Section 4. Cardiac arrest in special circumstances. Truhlář A, Deakin CD, Soar J, Khalifa GE, Alfonzo A, Bierens JJ, Brattebø G, Brugger H, Dunning J, Hunyadi-Antičević S, Koster RW, Lockey DJ, Lott C, Paal P, Perkins GD, Sandroni C, Thies KC, Zideman DA, **Nolan JP**; Cardiac arrest in special circumstances section Collaborators. *Resuscitation* 2015; 95: 148–201.
27. European Resuscitation Council Guidelines for Resuscitation 2015: Section 11. The ethics of resuscitation and end-of-life decisions. Bossaert LL, Perkins GD, Askitopoulou H, Raffay VI, Greif R, Haywood KL, Mentzelopoulos SD, **Nolan JP**, Van de Voorde P, Xanthos TT; ethics of resuscitation and end-of-life decisions section Collaborators. *Resuscitation* 2015; 95: 302–11.
28. Part I. Executive Summary: 2015 International Consensus on cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations. **Nolan JP**, Hazinski



MF, Aickin R, Bhanji F, Billi JE, Callaway CW, Castren M, de Caen AR, Ferrer JM, Finn JC, Gent LM, Griffin RE, Iverson S, Lang E, Lim SH, Maconochie IK, Montgomery WH, Morley PT, Nadkarni VM, Neumar RW, Nikolaou NI, Perkins GD, Perlman JM, Singletary EM, Soar J, Travers AH, Welsford M, Wyllie J, Zideman DA. *Resuscitation* 2015; 95: e1-e32.

29. Part I. Executive Summary: 2015 International Consensus on cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations. Hazinski MF, **Nolan JP**, Aickin R, Bhanji F, Billi JE, Callaway CW, Castren M, de Caen AR, Ferrer JM, Finn JC, Gent LM, Griffin RE, Iverson S, Lang E, Lim SH, Maconochie IK, Montgomery WH, Morley PT, Nadkarni VM, Neumar RW, Nikolaou NI, Perkins GD, Perlman JM, Singletary EM, Soar J, Travers AH, Welsford M, Wyllie J, Zideman DA. *Circulation* 2015; 132(16 Suppl 1): S2–S39.
30. Part 2. Evidence evaluation and management of conflicts of interest: 2015 International Consensus on cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations. Morley PT, Lang E, Aickin R, Billi JE, Eigel B, Ferrer JM, Finn JC, Gent LM, Griffin RE, Hazinski MF, Maconochie IK, Montgomery WH, Morrison LJ, Nadkarni VM, Nikolaou NI, **Nolan JP**, Perkins GD, Sayre MR, Travers AH, Wyllie J, Zideman DA. *Resuscitation* 2015; 95: e33–e41.
31. Part 2. Evidence evaluation and management of conflicts of interest: 2015 International Consensus on cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations. Morley PT, Lang E, Aickin R, Billi JE, Eigel B, Ferrer JM, Finn JC, Gent LM, Griffin RE, Hazinski MF, Maconochie IK, Montgomery WH, Morrison LJ, Nadkarni VM, Nikolaou NI, **Nolan JP**, Perkins GD, Sayre MR, Travers AH, Wyllie J, Zideman DA. *Circulation* 2015; 132(16 Suppl 1): S40–50.
32. Part 4. Advanced Life Support: 2015 International Consensus on cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations. Soar J, Callaway CW, Aibiki M, Böttiger BW, Brooks SC, Deakin CD, Donnino MW, Drajer S, Kloeck W, Morley PT, Morrison LJ, Neumar RW, Nicholson TC, **Nolan JP**, Okada K, O'Neil BJ, Paiva EF, Parr MJ, Wang TL, Witt J; Advanced Life Support Chapter Collaborators. *Resuscitation* 2015; 95: e71–e120.
33. Part 4. Advanced Life Support: 2015 International Consensus on cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations. Callaway CW, Soar J, Aibiki M, Böttiger BW, Brooks SC, Deakin CD, Donnino MW, Drajer S, Kloeck W, Morley PT, Morrison LJ, Neumar RW, Nicholson TC, **Nolan JP**, Okada K, O'Neil BJ, Paiva EF, Parr MJ, Wang TL, Witt J; Advanced Life Support Chapter Collaborators. *Circulation* 2015; 132(16 Suppl 1): S84–S145.
34. Ten strategies to increase survival of cardiac arrest patients. Cariou A, **Nolan JP**, Sunde K. *Intensive Care Medicine* 2015; 41: 1820–3.
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

(American Heart Association, European Resuscitation Council, Australian and New Zealand Council On Resuscitation, Heart and Stroke Foundation of Canada, InterAmerican Heart Foundation, Resuscitation Council of Southern Africa, Resuscitation Council of Asia). Perkins GD, Jacobs IG\*, Nadkarni V, Berg RA, Bhanji F, Biarent D, Bossaert LL, Brett SJ, Chamberlain DA, de Caen AR, Deakin CD, Finn JC, Gräsner J-T, Hazinski MF, Iwami T, Koster RW, Lim SH, Huei-Ming Ma M, McNally BF, Morley PT, Morrison L, Monsieurs KG, Montgomery W, Nichol G, Okada K, Eng Hock Ong M, Travers AH, **Nolan JP** for the Utstein collaborators. *Circulation* 2015; 132: 1286–300. Co-published in *Resuscitation* 2015; 96: 328–40.

36. A Randomised Comparison of the ProSeal Laryngeal Mask Airway and the i-gel during Anaesthesia in a European population. **Bosley N, Burrows LA, Bhayani S, Nworah E, Cook TM.** *Journal of Anaesthesia and Clinical Research* 2014, 5: 459. doi:10.4172/2155-6148.1000459 <http://dx.doi.org/10.4172/2155-6148.1000459>
37. A Randomised Comparison of the Supreme Laryngeal Mask Airway and the i-gel during Anaesthesia in a European population. **Fenner L, Handel J, Nolan J, Simpson T, Cook TM.** *Journal of Anaesthesia and Clinical Research* 2014; 5: 440. doi:10.4172/2155-6148.1000440 <http://dx.doi.org/10.4172/2155-6148.1000440>
38. Huddart S, Peden CJ, Swart M, McCormick B, Dickinson M, Mohammed MA, Quiney N; ELPQuIC Collaborator Group (Collaborators (20) - Hemmings V, Riga A, Belguamkar A, Zuleika M, White D, Corrigan L, **Howes T**, Richards S, Dalton S, **Cook T**, Kryztopik R, Cornwell A, Goddard J, Griffiths S, Frost F, Pigott A, Pittman J, Cossey L, Smart N, Daniels I. Use of a pathway quality improvement care bundle to reduce mortality after emergency laparotomy. *Br J Surg.* 2015; 102: 57-662 doi: 10.1002/bjs.9658.
39. **Axe R, Middleditch A, Kelly F**, Batchelor T, **Cook TM.** Macroscopic lung barotrauma during oxygenation and ventilation via an Airway Exchange Catheter. *A&A* 2015; 120: 355–61. Podcast: <http://aa2day.org/2015/02/airwayexchange/>
40. Postoperative morbidity survey, mortality and length of stay following emergency laparotomy. **Howes TE, Cook TM**, Corrigan LJ, Dalton SJ, Richards SK, Peden CJ. *Anaesthesia* 2015; 70: 1020–27. doi: 10.1111/anae.12991. [https://twitter.com/anaes\\_journal/status/633917043297943552](https://twitter.com/anaes_journal/status/633917043297943552)
41. Litigation associated with intensive care unit treatment in England: an analysis of NHSLA data 1995–2012. **Pascall E, Trehane S-J, Georgiou A, Cook TM.** *Br. J. Anaesth.* 2015: 115; 601-7 doi:10.1093/bja/aev285
42. The state of UK paediatric anaesthesia: a survey of National Health Service activity. Sury M, Arumainathan M, Belhadj AM, Palmer JHM, **Cook TM**, Pandit JJ. *Paed anaes* 2015; 25; 1085-92
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.**

*Anaesthesia* 2016; 71: 764-72  
[With Editorial]

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  
<http://perioperativemedicinejournal.biomedcentral.com/articles/10.1186/s13741-015-0011-2>
46. A national survey of the impact of NAP4 on airway management practice in United Kingdom hospitals: closing the safety gap in anaesthesia, intensive care and the emergency department. **Cook TM**, Woodall N, Frerk C. *British Journal of Anaesthesia* 2016; 117: 182-190
47. Nitrous oxide-based versus nitrous oxide-free general anaesthesia and accidental awareness during general anaesthesia in surgical patients (Review). Hounsome A, Nicholson A, Greenhalgh J, **Cook TM**, Smith AF, Lewis SR. *Cochrane Database of Systematic Reviews* 2016, Issue 8. Art. No.: CD011052. DOI: 10.1002/14651858.CD011052.pub2.
48. Estimated costs before, during and after the introduction of the emergency laparotomy pathway quality improvement care (ELPQuIC) bundle. **Eveleigh MO, Howes TE, Peden CJ, Cook TM**. *Anaesthesia*. 2016; 71: 1291-5
49. A national survey of practical airway training in UK anaesthetic departments. Time for a national strategy? **Lindkær Jensen NH, Cook TM, Kelly F**. *Anaesthesia*. 2016; 71: 1273-9
50. Videolaryngoscopy versus direct laryngoscopy for adult patients requiring tracheal intubation. Lewis SR, Butler AR, Parker J, **Cook TM**, Smith AF. *Cochrane Database of Systematic Reviews* 2016, Issue 11. Art. No.: CD011136. DOI: 10.1002/14651858.CD011136.pub2.  
<http://onlinelibrary.wiley.com/doi/10.1002/14651858.CD011136.pub2/full>
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

#### **Submitted**

54. The state of UK anaesthesia for the obese: results of a survey of National Health Service activity and comparison with current recommendations. A national survey by the 5th National Audit Project of the Royal College of Anaesthetists and the Association of Anaesthetists of Great Britain and Ireland. Palmer JJMacG, Nightingale CE, Sury MRJ, Pandit JJ and **Cook TM**. *Obesity Research*. Submitted Dec 2016.
55. NAP6 baseline survey: UK anaesthetists' perspectives and experiences of severe perioperative anaphylaxis. Kemp H, Thomas M, **Cook TM**, Harper NJ. Submitted to *BJA* Feb 2017.
56. C-MAC© videolaryngoscopy: the anaesthetic assistant's view. **Jones L, Mulcahy K, Fox J, Cook TM, Kelly FE**. For submission to *Journal of Perioperative Practice* March 2017

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>
58. Storm C, Nee J, Sunde K, Holzer M, Hubner P, Taccone FS, Friberg H, López de Sá E, Cariou A, Schefold JC, Ristagno G, Noc M, Donker DW, Andres J, Krawczyk P, Skrifvars M, **Penketh JA**, Fries M. A Survey of Post cardiac Arrest Management in large teaching and university hospitals in 14 European countries -the SPAME trial results. Submitted to Resuscitation Feb 2017.

#### **In Prep**

59. Fluid-TRIPS (Fluid Translation of Research into Practice Study) 2015 – Included authors **Penketh J, Nolan J**. submitted for publication
60. Revolution in Airway Management: A Structured Approach to Departmental Conversion to Videolaryngoscopy. **Cook TM, Boniface NJ, Sellar C, Kelly F**. Awaiting submission.
61. Specialist Peri-Operative Allergy Clinic Services in the UK 2016: Results from the Royal College of Anaesthetists Sixth National Audit Project. Egner W, **Cook TM**, Harper NJ, Garcez T, Marinho S, Thomas T, Kong KL, Nasser S, Warner A, Hitchman J. In prep
62. Safer connectors: an evaluation a new neuraxial connector. Philips M, **Cook TM**, Bickford Smith J, Awaiting submission to BJA Feb 2017.
63. Airway preparedness – a national survey of paediatric and Neonatal Intensive Care Units (PIC-NIC). **Foy K, Bowers J, Mew E**, Herneman KC, Knight P, Dean S, **Cook TM, Kelly F**. Annals of child health. In prep.
64. Opiate Use in ICU Sedation – A regional Survey. **Ker-Reid F, Coupe M, Somerset L**. Accepted by STAR pending comments/revisions. In prep
65. Accidental awareness during general anaesthesia in SNAP1. Walker E, **Cook TM**, Moonesinghe R. 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**

67. ISOS - Critical language editorial Global patient outcomes after elective surgery: prospective cohort study in 27 low-, middle- and high-income countries. International Surgical Outcomes Study group. Br J Anaesth. 2016; 117: 601-9.
68. SNAP1 2015
69. PEACE 2016

70. iHYPE 2017. **Ker-Reid F, Bower J, Kendall A, Reynolds E and Cook TM.**

71. SWeAT 2017

72. Emergency Laparotomy Collaborative 2015-17

### **Abstracts**

1. EZIO intraosseous access teaching in the workplace using a mobile 'tea trolley training method'. **Penketh JA, McDonald M, Kelley F.** Critical Care 2016 2016.
2. 'BUNS': An investigation protocol improves the ICU management of pneumonia. **Sharvill RJ, Astin J.** Critical Care 2016; 20 (Suppl 2): P086
3. Improving recording of sedation events in the Emergency Department: The implementation of the SIVA International Taskforce adverse event reporting tool for procedural sedation. **Sharvill RJ, Penketh J.** Critical Care 2016, 20 (Suppl 2): P372
4. Hamman's Syndrome. **Ion N, Ker-Reid F, McDonald M.** British Journal of Obstetrics and Gynaecology. In press

## Editorials

1. Sepsis: a 21st century problem **Goodwin A.** *Br J Hospital Medicine* 2016; 77: 200-1
2. Just Say Sepsis: A summary **Goodwin A.** *Critical Eye* 2016; 9: 22-23
3. Intensive care medicine in 2015: managing cardiac arrest. Cariou A, **Nolan JP**, Sunde K. *Intensive Care Med* 2017;
4. Improving neurological prognostication after cardiac arrest – a step in the right direction. **Nolan JP**, Soar J. *American Journal of Respiratory and Critical Care Medicine*. 2016; 194: 1040–42.
5. Resuscitation highlights in 2015. **Nolan JP**, Ornato JP, Parr MJA, Perkins GD, Soar J. *Resuscitation* 2016; 100: A1-A8.
6. 2015 Resuscitation Guidelines. **Nolan J.** *Notfall Rettungsmed* 2015; 18: 653–654.
7. Ian Jacobs - Resuscitation leader, educator and researcher. Parr M, Morley P, Considine J, Walker T, **Nolan JP**, Perkins GD, Nadkarni VM. *Resuscitation* 2015; 96: 287-9.
8. Post-resuscitation care: ERC-ESICM guidelines 2015. **Nolan JP**, Cariou A. *Intensive Care Med* 2015;41:2204–2206.
9. Improving survival after out-of-hospital cardiac arrest. **Nolan JP**, Perkins GD, Soar J. *BMJ* 2015;351:h4989.
10. Neuroprognostication after cardiac arrest in Europe: new timings and standards. Sandroni C, **Nolan JP** *Resuscitation* 2015; 90: A4-A5.
11. Videolaryngoscopy at cardiac arrest: the need to move from video-games to video-science. Astin JP, **Cook TM.** *Resuscitation* 2015; 89: A7-9
12. Time to abandon the ‘vintage’ LMA and adopt 2nd generation SADs as 1st choice. **Cook TM**, Kelly FE. *Br. J. Anaesth* 2015; 115: 497-9
13. Capnography for airway monitoring during sedation (and elsewhere) – the winds of change? *Anaesthesia* 2016, 71, 363-8. **Cook TM**
14. Seeing is believing: getting the best out of videolaryngoscopy. **Kelly FE, Cook TM.** *British Journal of Anaesthesia* 2016;117 Suppl 1:i9-i13
15. Airway management in the critically ill: the same, but different. Higgs A, **Cook TM**, McGrath B. *British Journal of Anaesthesia* 2016;117 Suppl 1:i5-i9.

16. Surgical intervention during a Can't intubate Can't Oxygenate (CICO) Event: Emergency Front-of-neck Airway (FONA)? Pracy JP, Brennan L, **Cook TM** , Hartle AJ, Marks RJ, McGrath BA, Narula A, Patel A. Jointly published in Clin Otolaryngol. 2016; 41: 624-6. and Br J Anaesth. 2016 Sep 19. pii: aew221. [Epub ahead of print] No abstract available. PMID: 27646054
17. Disease coding for anaesthetic and peri-operative practice: a missed opportunity? Palmer J, sury M, Pandit J, **Cook TM**. Anaesthesia in press Feb 2017.
18. What's in a name? Critical language and critical airways. Chrimes N, **Cook TM**. British journal of anaesthesia in press Feb 2017

## Posters

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.
2. C-Mac Videolaryngoscopy - the anaesthetic assistant's view. **Jones L, Mulcahy K, Fox J, Kelly FE, Cook TM.** (Presented by Lydia Jones DAS November 2016, Torbay).
3. Improving awareness of sepsis in the public and in primary care. Lucas E, **Jordan L**, Hersch E. National Patient Safety Conference, Manchester July 2016 and Sepsis Unplugged Conference October 2016
4. The obstetric sepsis Tea- trolley. **McDonald M, Jordan L.** University of Bath/ RUH Research showcasing event June 2015
5. The 'Phlebotomy Box': Improving Handover within the Phlebotomy Service. Saunbury E, Howarth G, Hotton E, **Jordan L**, Ward A. WEAHSN Patient Safety Conference October 2015
6. Novice Peer Teaching Programme, Society for Education in Anaesthesia (UK) 17<sup>th</sup> ASM\* **Ker-Reid F.** March RCoA 2016
7. ACCS Buddy Programme, Society for Education in Anaesthesia (UK) 17<sup>th</sup> ASM\* **Ker-Reid F.** March RCoA 2016
8. Improving ECG Documentation at a district general hospital. Cuskin A, Harper A, **Jordan L.** WEAHSN Patient Safety Conference October 2015
9. Redesigning the ICU portable emergency bag. **Chalal M, Gough C.** Intensive Care Society's State of the Art Meeting.
10. Pheochromocytoma. **Kendall A, Gough C, Cook TM.** SICOWE, Feb 2017
11. Using the Safer Clinical Systems approach and Model for Improvement methodology to decrease Venous Thrombo-Embolicism in Elective Surgical Patients – Humphries A, **Peden CJ, Jordan L**, Crowe J. IHI Patient Safety Conference, Sweden. April 2016
12. UR'INE TROUBLE - A campaign to increase awareness and improve management of Acute Kidney Injury. **Jordan L**, Selby V, Skirrow D, **Walker B, Penders R**, Taylor A, **Barnett J.** Poster presented at Bristol Patient Safety Conference May 2016 and National Patient Safety Conference, July 2016
13. Capnography training for ICU using the "hats and caps" training tool. **Lobo CA, Kelly FE, Thomas G, Steynberg S, Eveleigh M, Pope C**, Charlton M, **Cook TM.** ICM meeting Brussels 2015 ISICEM (Presented by S Steynberg)



14. Tracheostomy – An Interactive Training Package for Management Of The Displaced Tracheostomy. **Riley E, Payne S, Jones J, Kelly FE, Cook TM.** WAMM Dublin 2015 (Presented by E Riley) and at SICOWE, Chepstow Jan 2016
15. On The Right Trach? Improving Safety Associated With Tracheostomy Insertion On The Intensive Care Unit. **Riley E, Lobo C, Kerslake I, Laver S,** Needham T, **Kelly FE, Cook TM.** WAMM Dublin 2015 (Presented by E Riley) and at ISICEM 2016
16. DAS-EMBER. Department-wide dissemination and implementation of the 2015 Difficult Airway Society guidelines in a district general hospital. **Mulcahy K, Jones L, Payne S, Kelly FE, Cook TM.** November 2016, Torbay
17. C-Mac Videolaryngoscopy - the anaesthetic assistant's view. **Jones L, Mulcahy K, Fox J, Kelly FE, Cook TM.** Presented by Lydia Jones DAS November 2016, Torbay.
18. Neuron specific enolase analysis for neuroprognostication following out of hospital cardiac arrest: test implementation and initial results from a district general hospital. **Gosling M, Ray A, Nolan JP.** Intensive Care Society State of the art Meeting, London December 2016.
19. Using the 'model for improvement' template to improve patient handover on the Intensive Care Unit. **Colley E, Kerslake I, Jenner L, Kelly FE.** International Forum on Quality and Safety in Healthcare, London, April 2015.
20. EZ-IO intraosseous access teaching in the workplace using a mobile 'tea trolley' training method. **Penketh J, McDonald M, Kelly FE.** 36th International Symposium on Intensive Care and Emergency Medicine, Brussels, March 2016
21. Posh hats are best in your ED: waveform capnography training tool. **Cooper R, Kelly FE.** Royal College of Emergency Medicine Annual Scientific Conference, Manchester, September 2015.
22. The Adductor Canal Tea Trolley: an effective method of teaching a regional block. **Bewley P, Axe R, Gold S.** European Society of Regional Anaesthesia, Maastricht, 2016
23. 'Tea trolley' Neonatal Resuscitation Training: a novel approach. **Ker-Reid F, Foy K, McDonald M.** National Medical Education conference, Wessex, 2016
24. 'Tea trolley' Neonatal Resuscitation Training: a novel approach. **Ker-Reid F, Foy K, McDonald M.** SASWR, Exeter, 2016.
25. Spontaneous Pneumomediastinum in Labour. **Ker-Reid F, Ion, McDonald M.** South West Obstetric Anaesthetic Meeting (COMMA/POAG Joint Meeting) 2016
26. Increasing awareness of early signs of sepsis in pregnancy in obstetric team, as well as in mothers using tea trolley training and animated video. **Jordan L, Bailey H, McDonald M.** Sepsis Unplugged Conference, Brighton October 2016

27. PVL in Pregnancy - A case report .**K Foy, D Lehane**. South West Obstetric Conference Nov 2016 Taunton
28. Eclampsia or something else? **Mew E, McDonald M, Forster P, Jordan L**. POAG/COMMA South west regional Obstetric meeting. Nov 2016
29. Using pre-filled atropine syringes in emergency obstetric theatres. **Mew E**. POAG/COMMA South West regional Obstetric meeting Nov 16
30. Prefilled syringes in obstetrics: Decreased waste and improved safety. **Jordan L, MewsE. Mews**. POAG /COMMA Obstetric Anaesthetic conference, Taunton. November 2016
31. PICNIC – airway preparedness. **Foy K, Bowers J**, Herneman KC, Knight P, Dean S, **Cook TM, Kelly F**. European Society of Paediatric and Neonatal Intensive Care. Lisbon. Due June 2017. Atypical Community Aquired Pneumonia in late pregnancy: A reminder for vigilance in hypoxia and sepsis **Lehane D, Foy K, Jordan L**. POAG /COMMA Obstetric Anaesthetic conference , Taunton. November 2016
32. Peri-operative management of the obese patient. A regional review of AAGBI guideline compliance. **Foy K, Hardy R**. AAGBI Winter Scientific Meeting, London, January 2017.
33. Clinical utility vs cost when choosing airway equipment. **Thomas G, Penketh J, Cook TM**. SASWR Dec 2015.
34. Improving practicality and quality of daily documentation in an intensive care unit. **Penketh J, Lobo C**. SASWR Dec 2015.
35. Improving Epidural Information. **Ker-Reid F, Todd A, McDonald M, Marsh C**. WOA 2016
36. Improving recording of adverse sedation events in the emergency department. Adopting the SIVA sedation checklist for procedural sedation. **Sharvill R, Penketh JA**. ISICEM, Brussels 2016.
37. Pneumonia screen in ICU and improvement in management. **Sharvill R**. ISICEM, Brussels 2016
38. 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. IHI Patient Safety Conference, Sweden. April 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://bj.oxfordjournals.org:80/cgi/eletters/aew054v1#13816>
2. Videolaryngoscopy: a tool for ageing paediatric anaesthetists. **Kelly FE, Hersch P, Hardy R, Simpson T, Handel J**. Accepted as e-letter by British Journal of Anaesthesia 24<sup>th</sup> February 2016. [http://bj.oxfordjournals.org:80/cgi/qa-display/brjana\\_forum;1](http://bj.oxfordjournals.org:80/cgi/qa-display/brjana_forum;1)
3. EZ-IO<sup>®</sup> 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.
4. Deferred cord clamping at caesarean section--yet another use for videolaryngoscopy. **Mew E, Miles E, Marjot R**. *Anaesthesia*. 2016; 71: 342.
5. Glove balloons 3. **Wickenden S, Fisher A, Kelly FE**. *Anaesthesia* 09/2015; 70(9):1092. DOI:10.1111/anae.13181
6. Effective capnography training in the ICU using the 'hats and caps' training tool. **Lobo CA, Kelly FE, Steynberg S, Thomas G, Pope C, Eveleigh M, Charlton M, Cook TM**. *Critical Care* 2015, 19(Suppl 1):P264 doi:10.1186/cc14344
7. Snail trail. **Kelly FE, Seller S**. *Anaesthesia* 2015:70;501.
8. Videolaryngoscopes confer benefits in Human Factors as well as technical skills. **Kelly FE, Cook TM, Boniface N, Hughes J, Seller C, Simpson TP**. *Br J Anaes* 2015; 115: 132-3 <http://bj.oxfordjournals.org:80/cgi/eletters/aeu266v1#11961>
9. NICE guidance and depth of anaesthesia monitors (Reply to Dr Allen). Pandit JJ, **Cook TM**. BJA e-submitted June 2015.
10. Clarifying NAP5 (Reply to Avidan and Sleigh). **Cook TM, Pandit JJ**. *Anaesthesia* 2015; 70: 105-6. <http://www.respond2articles.com/ANA/forums/thread/1736.aspx>
11. NAP5 and isolated forearm technique: (Reply to Sneyd). Pandit JJ, **Cook TM, Wang M, Andrade J**. *Br J Anaes* 2015; 115: 139-140 <http://bj.oxfordjournals.org:80/cgi/eletters/113/4/549#12000>
12. Appropriate dosing of lipid soluble anaesthetics in the obese: NAP5 recommendations. (Reply to SOBA) Pandit JJ, **Cook TM**. *Br J Anaes*. 2015; 115: 141-142 <http://bj.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 Narrer and Babatunde) *Br J Anaes* 2015; 115; 325

14. Time for mandatory colour coding of drug ampoules and packaging? –yet again. **Astin J, Steynberg, Cook TM**. *Anaesthesia* 2015 ; 70: 502. <http://www.respond2articles.com/ANA/forums/thread/1823.aspx>
15. 3rd generations SADs – an undefined concept and misused term. Time for an updated classification of supraglottic airway devices. **Cook TM**. *Br J Anaes* 2015: 115; 633 [http://bj.oxfordjournals.org/forum/topic/brjana\\_el%3b12485](http://bj.oxfordjournals.org/forum/topic/brjana_el%3b12485)
16. More than fuzzy logic needed in defending use of depth of anaesthesia monitors. Pandit JJ, **Cook TM**. *Anaesthesia* 2015: 70; 999-1000 <http://www.respond2articles.com/ANA/forums/thread/1897.aspx>
17. Pitfalls of comparing incidences of awareness from NAP5 and from Brice studies. **Cook TM, Pandit JJ**. *Br J Anaes*. 2015: 115; 471-2 <http://bj.oxfordjournals.org:80/cgi/eletters/113/4/527#12135>
18. Correct use of the terms first and second generation supraglottic airway devices. **Cook TM**. *Pediatric Anaesthesia* 2015; 25: 965-6.
19. No reduction in fiberoptic intubation rates with universal video laryngoscopy. **Thomas G, Kelly F, Cook TM**. *Canadian Journal of Anaesthesia* 2016; 63: 113.
20. Prioritising emergency laparotomy - a reply. **Howes TE, Cook TM, Corrigan LJ, Dalton SJ, Richards SK, Peden CJ**. *Anaesthesia* 2015; 70: 1460-1 <http://www.respond2articles.com/ANA/forums/thread/2015.aspx>
21. William’s syndrome: was intubation rather than anaesthetic drug choice a cause of cardiac arrest? **Cook TM**. *South African Journal of Anaesthesia and Analgesia* 2015: 21: 35 <http://www.sajaa.co.za/index.php/sajaa/article/view/1674>
22. Clinical utility vs cost when choosing airway equipment. **Thomas G, Penketh J, Cook TM**. *Anaesthesia* on line May 2015 <http://www.respond2articles.com/ANA/forums/post/1911.aspx>
23. The DAS 2015 guidelines and the sacred cows of routine airway management. **Cook TM, Kelly F**. *Anaesthesia* 2016; 71: 466-7. <http://www.respond2articles.com/ANA/forums/thread/2088.aspx>
24. The cricoid debate: balancing risks and benefits. **Cook TM**. *Anaesthesia* on line Feb 2016. <http://www.respond2articles.com/ANA/forums/thread/2128.aspx> Feb 2016
25. The ‘Bath Boarding Card’: a novel tool for improving pre-operative care for emergency laparotomy patients. **Howes TE, Richards SK, Cook TM, Dalton SJ, Peden CJ**. *Anaesthesia* in press May 2016

26. Introduction of videolaryngoscopy has not reduced rates of fibreoptic intubation. **Thomas G, Kelly F, Cook TM.** *Br J Anaesth.* 2016; 116: 717.
27. A further plea for a unified classification of supraglottic (extraglottic) airway devices. **Cook TM.** *British journal of Anaesthesia* 2016; 117: 136-7 <http://bj.oxfordjournals.org:80/cgi/letters/115/4/634#13041>
28. Abandoning use of 1st generation SADs - a reply. **Cook TM, Kelly FE.** *Anaesthesia* 2016; 71: 979-81 submitted (reply to Pearson and Rodney) <http://www.respond2articles.com/ANA/forums/thread/2180.aspx>
29. Videolaryngoscopy in the critically ill: good quality randomised controlled trails are needed. **Cook TM.** *BJA eletter* July 2016. (response to Natt BS, Malo J, Hypes CD, Sakles JC and Moiser JM) [http://bj.oxfordjournals.org/content/early/2016/05/23/bja.aew061/reply#brjana\\_el\\_13889](http://bj.oxfordjournals.org/content/early/2016/05/23/bja.aew061/reply#brjana_el_13889)
30. Bath Boarding Card and predicted mortality score - a reply. **Cook TM, Peden C, Richards S, Howes T.** *Anaesthesia* 2016; 71: 1373-4. <http://www.respond2articles.com/ANA/forums/thread/2237.aspx>
31. NRLS data as a measure of the clinical impact of National Audit Projects. **Cook TM.** *Anaesthesia* Aug 2016. <http://www.respond2articles.com/ANA/forums/thread/2238.aspx>
32. 'Go-between' study: walk times and talk times – a reply **Cook TM, MacDougall-Davis SR, Kettley L.** Submitted to *Anaesthesia* 2017: 72; 131–132). (Response to Dr J Wedgewood) In press <http://www.respond2articles.com/ANA/forums/thread/2270.aspx>
33. Anaphylaxis classification Harper N, Egner W, Garces T, **Cook TM.** *BJA. E-* correspondence <http://bj.oxfordjournals.org/letters/#14348>
34. Efficacy and safety. Time to re-evaluate use of use of first generation supraglottic airway devices in paediatric anaesthesia. **Cook TM, Kelly F.** (response to Montague and Haloran) <http://www.respond2articles.com/ANA/forums/thread/2325.aspx>
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

1. Acute coronary syndromes. **Reed-Poysden C, Gupta KJ**. BJA Education, 2015;1-8.  
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2. The United Kingdom National Audit Projects. A narrative review. **Thomas G, Cook TM**. South African Journal of Anaesthesia and Analgesia 2016; 1: 1-8.  
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[With Editorial <http://www.sajaa.co.za/index.php/sajaa/issue/view/106/showToc>]
3. Critical Incidents: The Respiratory System. **Miles ETC, Cook TM**. Anaesthesia and Intensive Care Medicine 2017: 18; 4-9 doi.org/10.1016/j.mpaic.2016.10.005
4. Uses of capnography in the critical care unit. **Kerslake I, Kelly FE**. BJA Education. 2017 doi: 10.1093/bjaed/mkw062
5. Legal Issues and complaints associated with day case anaesthesia. **Pearson A, Cook TM** (Invited). BJA education in press 2017
6. Cardiac arrest and cardiopulmonary resuscitation. **Nolan JP**. Seminars in Neurology 2017; 37: 5–12.

## Books Edited

1. Advanced Life Support. 7<sup>th</sup> edn. **Nolan J**, Soar J, Hampshire S, Mitchell S, Pitcher D, Gabbott D, Gwinnutt C, Lockey A, Perkins G (editors). 2016 Resuscitation Council UK, London. ISBN 978-1-903812-30-3
2. Immediate Life Support 4<sup>th</sup> Edition. Soar J, **Nolan J**, Hampshire S, Mitchell S (editors). London, Resuscitation Council (UK), 2016. ISBN 978-1-903812-31-0.
3. Emergency Airway Management. Second Edition Burtenshaw A, Bengler J, **Nolan J**. Cambridge University Press, Cambridge, 2015. ISBN 978-0-107-66125-7
4. Challenging concepts in Critical Care. Editors **Barnett J, Gough C, Nolan J, Cook TM**. Supervising editor. OUP, due 2017
5. Core Topics in Airway Management 3rd Edition. Eds **Cook TM**, Kristensen M. Cambridge University press. In preparation

## Chapters

1. Acute Pancreatitis and renal replacement therapy. **Lobo C**, Thomas M, **Gupta KJ**. In: Challenging Concepts in Critical Care. OUP, due 2017
2. **Ray A**, Manara A. Organ donation and transplantation. In: Challenging Concepts in Critical Care. OUP, due 2017
3. Equipment problems. **K J Gupta**. In: Allman, McIndoe, and Wilson (eds) *Emergencies in Anaesthesia 3rd edition*, Oxf Univ Press, Oxford, 2016
4. Post cardiac arrest hypoxaemic brain injury. **Barnett, Nolan JP**. In: Challenging Concepts in Critical Care. OUP, due 2017
5. Airway and ventilation during cardiopulmonary resuscitation, **Gough C, Nolan J**. International Symposium on Intensive Care and Emergency Medicine, Brussels, 2017
6. Major Trauma. **Nolan J**. In Lin T, Smith T, Pinnock C (eds), *Fundamentals of Anaesthesia*, 4<sup>th</sup> edition. Cambridge University Press, Cambridge, 2017, pp 195–209. ISBN 978-1-107-61238-9.



7. Airway management in cardiopulmonary resuscitation, **Nolan JP**, Soar J. In Webb A, Angus D, Finfer S, Gattinoni L, Singer M (editors). Oxford Textbook of Critical Care Second Edition. Oxford University Press, 2016. ISBN 978-0-19-960083-0.
8. Artificial ventilation in cardiopulmonary resuscitation Soar J, **Nolan JP**. In Webb A, Angus D, Finfer S, Gattinoni L, Singer M (editors). Oxford Textbook of Critical Care Second Edition. Oxford University Press, 2016. ISBN 978-0-19-960083-0.
9. Management after resuscitation from cardiac arrest. **Nolan JP**, Parr MJA. In Webb A, Angus D, Finfer S, Gattinoni L, Singer M (editors). Oxford Textbook of Critical Care Second Edition. Oxford University Press, 2016. ISBN 978-0-19-960083-0.
10. Cardiac arrest centres. **Riley EL**, Thomas M, **Nolan JP**. in Vincent J-L (editor), Annual Update in Intensive Care and Emergency Medicine 2016, Berlin, Springer-Verlag, 2016, pp 241-256. ISBN 978-3-319-27348-8.
11. Anaphylaxis. Smith A, **Nolan J**. In McDonagh D and Zideman D, editors, The IOC Manual of Emergency Sports Medicine. Chichester, Wiley Blackwell, 2015, pp 63–67. ISBN 978-1-118-91368-0.
12. Post-cardiac arrest. **Nolan JP**. I Smith MM, Citerio GG, Kofke A (editors), Oxford Textbook of Neurocritical Care. Oxford, Oxford University Press, 2016. ISBN 978-0-19-873955-5.
13. Cardiopulmonary resuscitation and the post cardiac arrest syndrome. **Nolan JP**. In Tubaro M, Vranckx P, Price S, Vrints C (editors) The European Society of Cardiology Textbook of Intensive and Acute Cardiovascular Care 2<sup>nd</sup> Edition, Oxford, Oxford University Press 2015, pp 39 – 46. ISBN 978-0-19-968703-9
14. Major Complications of Airway Management In The United Kingdom. 4th National Audit Project of The Royal College of Anaesthetists and The Difficult Airway Society (NAP 4): Implications for Emergency Airway Management Outside the Operating Theatre. **Cook TM**, Woodall N, Frerk C, Bengler J. In Emergency Airway Management 2<sup>nd</sup> edition. Eds burternshaw A, Bengler J, Nolan J. CUP 2015 ISBN 978-1-107-66125-7.
15. Oxford Handbook of Anaesthesia. Ed Allman, Wilson. 4th Edition OUP 2016  
ISBN 978-0-19-871941-0  
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
  
17. Oxford Handbook of Emergencies in anaesthesia. 3rd edition OUP 2015  
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
  
18. Oxford Handbook of Emergencies in anaesthesia. 3rd edition OUP 2015  
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.
  
20. Supraglottic Airway Techniques: Laryngeal Mask Airways. Lindsay HA, **Cook TM,** Russo S, Hagberg CA. In Benumof and Hagberg's airway Management 4<sup>th</sup> edition.

## Media

### 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](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 Anaesthesists 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
21. Journal of Bone and Joint Surgery
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
- 6. National Patient Safety Agency
- 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. Maastracht University, Netherlands

**Presentations**  
**(an incomplete list for 2015-16)**

1. 'BUNS screening' in pneumonia in ICU. **Mulcahy K, Sharvill R.** South of Devon Intensive Care meeting trainee prize June 2016
2. FONA and human factors. **Cooper R.** Society of Intensive Care of the West of England Feb 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.**
- 5 Haemophagocystic lymphohistiocytosis. A case study. **Sharvil R.** SICOWE, Chester 2015
- 6 BUNS screening for pneumonia on ICU. **Sharvil R, Astin J.** SICOWE, Chester 2016

**K Gupta**

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

**A Georgoiu**

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 AAGB&I, 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

Improving early recognition and treatment of sepsis using an innovative campaign as well as frontline 'tea - trolley' teaching. Jordan L. Finalist HSJ/NT Patient Safety Care Awards July 2016

Measurement for Improvement – Royal College of Anaesthetists. Introduction to Quality Improvement Day, RCA, London, March 2016

Early identification and treatment of sepsis – presented workshop at Bristol Patient Safety Conference, May 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

Presented Sepsis workshop – WEAHSN Deteriorating Patient / NEWS collaborative event – March 2016 and September 2016



**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

**European Society of Anaesthesia, London. June 2016**

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

**ARIES talks, RCoA, London, Sept 2016**

Learning from complications of anaesthesia: the national audit projects

**International Airway Management society meeting, Guangzhou, China November 2016**

\*The 4<sup>th</sup> 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 cricothyrotomy 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**

<b>Keeping up to date with advanced life support</b>	The Association of Anaesthetists of Great Britain and Ireland Winter Scientific Meeting, London January 2015
<b>Cardiac arrest centres</b>	Society of Intensive Care of the West of England Annual Meeting, Chepstow, Jan 2015
<b>Should we centralize ICU? Cardiac arrest centres</b>	35 <sup>th</sup> International Symposium on Intensive Care and Emergency medicine, Brussels, Belgium, March 2015
<b>Airways – optimal approach during CPR?</b>	35 <sup>th</sup> International Symposium on Intensive Care and Emergency medicine, Brussels, Belgium, March 2015
<b>Therapeutic hypothermia – Still a place after cardiac arrest?</b>	35 <sup>th</sup> International Symposium on Intensive Care and Emergency medicine, Brussels, Belgium, March 2015
<b>CPR – should we still use epinephrine?</b>	35 <sup>th</sup> International Symposium on Intensive Care and Emergency medicine, Brussels, Belgium, March 2015
<b>CPR Guidelines</b>	35 <sup>th</sup> International Symposium on Intensive Care and Emergency medicine, Brussels, Belgium, March 2015
<b>Trends in hospital mortality for admissions following CPR</b>	18 <sup>th</sup> Annual Meeting of the ICNARC Case Mix Programme, London April 2015
<b>Optimising chest compression quality</b>	European Society of Intensive Care Medicine Lives 2015 Conference, Berlin, Germany October 2015
<b>Cerebral oximetry during and after cardiac arrest</b>	European Society of Intensive Care Medicine Lives 2015 Conference, Berlin, Germany Oct 2015
<b>Resuscitation guidelines – the process</b>	5 <sup>th</sup> NCAA Annual Meeting, London October 2015
<b>Treat children like little adults: Pro</b>	Resuscitation 2015 European Resuscitation Council Scientific Symposium, Prague, Czech Republic Oct 2015
<b>Oxygenation and ventilation targets</b>	Resuscitation 2015 European Resuscitation Council Scientific Symposium, Prague, Czech Republic Oct 2015
<b>Year in review: cardiac arrest</b>	Resuscitation Science Symposium American Heart Association Scientific Sessions 2015, Orlando, FL USA, November 2015
<b>Post-resuscitation care in adults</b>	Resuscitation Council (UK) Scientific Symposium, Birmingham, November 2015

<b>RSI and preoxygenation: Pros and cons - clinical evidence</b>	Royal College of Anaesthetists Winter Symposium, London, November 2015
<b>Resuscitation Guidelines 2015</b>	Royal College of Anaesthetists Continuing Professional Development Day, London, November 2015
<b>Post-resuscitation care</b>	The Association of Anaesthetists of Great Britain and Ireland Winter Scientific Meeting, London January 2016
<b>Top 10 strategies to improve survival after cardiac arrest</b>	Ian Jacobs Memorial Lecture, International Resuscitation Science Symposium, Singapore, February 2016
<b>Preferred airway and ventilation strategy in out of hospital cardiac arrest</b>	International Resuscitation Science Symposium, Singapore, February 2016
<b>Targeted temperature management</b>	36 <sup>th</sup> International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium, March 2016
<b>Controversies in CPR</b>	36 <sup>th</sup> International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium, March 2016
<b>Airway management during CPR</b>	36 <sup>th</sup> International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium, March 2016
<b>Still a place for epinephrine?</b>	36 <sup>th</sup> International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium, March 2016
<b>ALS Guidelines – why the changes were made</b>	BASICS South West Study Day, Southmead Hospital, Bristol, April 2016
<b>Post-resuscitation care</b>	Euroanaesthesia 2016, Congress of the European Society of Anaesthesia, London, May 2016.
<b>ALS Guidelines</b>	Dubrovnik Summer School for Emergency Medicine, Dubrovnik, Croatia August 2016
<b>Special circumstances</b>	Dubrovnik Summer School for Emergency Medicine, Dubrovnik, Croatia August 2016
<b>Post-resuscitation care – European perspective</b>	Resuscitation 2016, Congress of the European Resuscitation Council, Reykjavik, Iceland, Sept 2016

**Continuous evidence evaluation**

Resuscitation 2016, Congress of the European Resuscitation Council, Reykjavik, Iceland, Sept 2016

**Resuscitation medicine**

ARIES Talks, Royal College of Anaesthetists, London, UK Sept 2016

**Perioperative cardiac arrest**

European Society of Intensive Care Medicine Lives 2016 Conference, Milan, Italy Oct 2016

**The road to public reporting**

6th NCAA Annual Meeting, London October 2016

**Back from the brink of death -  
cardiopulmonary resuscitation,  
past, present and future**

Inaugural lecture, University of Bristol, Bristol, October 2016

**Post resuscitation ICU care**

Critical Care Issues 2016, 10th Symposium on Intensive Care, Bruges, Belgium, October 2016

**Recent advances in cardiac resuscitation**

Lifetime Achievement Award, Resuscitation Science Symposium  
American Heart Association Scientific Sessions 2016, New Orleans,  
LA, USA, November 2016

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