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**EAST ANGLIAN AIR AMBULANCE'S
PRE-HOSPITAL RESEARCH CONFERENCE**

RAID: BREAKING BARRIERS

'National data sets improving collaboration and outcomes in PHEM'

Six hours of CPD - supported by the Faculty of
Pre-Hospital Care, RCSEd

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#EAAARAID2021

Friday 19th November 2021

Supporting ALS — Across Air, Land, and Sea

ZOLL® offers a wide range of products that focus on improving patient care and outcomes across EMS environments: Air, Land, and Sea. From monitoring, defibrillation, and ventilation to data and device management for resuscitation and acute critical care, ZOLL is the partner you need to move care forward. A complete solution from one provider simplifies training, facilitates device maintenance and management, and improves your team's performance with standardized processes.

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Lifesaving technology for demanding pre-hospital environments

The importance of having the right equipment to deliver life-saving care is imperative to EMS agencies, especially over long distances or terrain at high altitudes — which can be extremely demanding. Air ambulance services often face the most critical patients and need to transport them for longer periods of time. ZOLL offers a wide range of products that focus on improving patient care and outcomes across EMS environments.

The X Series® Advanced monitor/defibrillator features the TBI Dashboard™. This smart monitoring tool is providing trending information on the parameters most critical to TBI and other critical patients, enabling clinicians to quickly detect potential patient deterioration.

The Z Vent® transport ventilator removes the complications associated with typical portable ventilators. ZOLL's Smart Help™ system guides medics through alarm resolution with simple on-screen prompts, and the touch, turn, and confirm interface simplifies use when compared to other portable ventilators.

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“
The Zoll X series provides us robust multi-modality monitoring in the most challenging environments. It allows us to deliver the very highest standard of Pre-Hospital Critical Care'

— Dr Rob Major, East Anglian Air Ambulance

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MAIN SESSION

Here is your unique link to join the event: [Click here](#)

Meeting ID: 814 0871 4845

Passcode: 605435

If you have any technical issues on the day, most of these are solved by refreshing your browser or trying to connect with a different device.

- | | |
|---------------|--|
| 9.00 - 9.30 | Dr Rob Major and Dr Kate Lachowycz – Introduction 'Contemporary challenges of evidence based PHEM' |
| 9.30 - 10.15 | Dr James Price - East of England regional PHEM RSI data set |
| 10.15 - 11.00 | Professor Tim Coats - TARN data sets and PHEM |
| 11.00 - 11.15 | Refreshment break |
| 11.15 - 12.00 | Dr Nikki Wallace-King – Breaking fences, data delivering safety |
| 12.00 - 12.20 | ZOLL UK presentation |
| 12.20 - 13.00 | Lunch Break |
| 13.00 - 13.45 | Dr Phil Hyde – Developing a national clinical audit of pre-hospital critical care |
| 13.45 - 14.00 | Dr Nicolas Crombie – Pre-hospital blood products – the past, present and future |
| 14.30 - 15.00 | Refreshment break |

BREAKOUT SESSIONS

- 15.00 - 16.30** **Breakout session 1: Ultrasound use and governance in PHEM**
Leads: Dr Toby Edmonds and Dr Jon Barratt

Link to join: [Click here](#)
Meeting ID: 841 0126 3005
Passcode: 272901
- 15.00 - 16.30** **Breakout session 2: Submitted abstract/poster presentation competition**
Leads: Mr Alastair Wilson, Dr Rob Major and Dr Kate Lachowycz

Link to join: [Click here](#)
Meeting ID: 821 8101 5693
Passcode: 675392
- 15.00 - 16.30** **Breakout session 3: Pre-hospital patient aftercare**
Leads: Alison Brett, Sue Gee, Adam Crosby, Adam Carr

Link to join: [Click here](#)
Meeting ID: 896 8971 6600
Passcode: 597143
- 16.30 - 17.00** **Final plenary**
Dr Rob Major - Final thoughts

Link to join: [Click here](#)
Meeting ID: 814 0871 4845
Passcode: 605435

A WELCOME FROM DR ROB MAJOR

FRCEM FIMC, TRAINING AND EDUCATION LEAD AT
EAST ANGLIAN AIR AMBULANCE AND CHAIR OF THE RAID GROUP

It's my pleasure to welcome you to the inaugural East Anglian Air Ambulance Research Audit Innovation and Development (RAID) conference, 'Breaking Barriers'.

This conference, aimed at professionals interested in pre-hospital research and development, is themed around improving quality and access to data sets in a bid to improve patient care.



Historically, collecting data on pre-hospital patient care has been challenging, with organisations lacking access and feedback on patient diagnosis, outcomes and follow up on the interventions undertaken on their patients. This lack of 'evidence base' and published literature has often been highlighted as a weakness of PHEM, with critics questioning the utility and cost over patient benefit. While every pre-hospital practitioner will have personal experience of providing interventions that made a difference, there is still very little objective evidence what we do is beneficial. The key to providing that evidence is larger amounts of quality data.

RESEARCH AUDIT INNOVATION AND DEVELOPMENT (RAID) GROUP

EAAA has long been interested in the benefits of clinical research to improve patient outcomes and has done a lot of service evaluation and analysis in recent years, which has led to clinicians publishing papers. When developing the EAAA 2020-2025 strategy, research and development was an important theme.



The RAID group was established in July 2020, with EAAA Dr Rob Major as Chair, to have a group of interested clinicians oversee this area, and make sure all research had value in improving the service.

The group supports East Anglian Air Ambulance to monitor and continually improve the service we provide and use the latest evidence behind cutting edge pre-hospital care to develop new treatments, equipment, and skills.

We carry out original research and evaluation studies and collaborate across our network of other air ambulances, the NHS and universities to share knowledge. Our ultimate aim is to improve emergency care for all patients.

View our first Annual Report [here](#).



Useful data is collected on every patient every day by ambulance services, charitable pre-hospital providers and all clinicians who provide pre-hospital patient care. While there is variable practice of research, audit and quality improvement, opening up these data sets regionally and nationally, is the key to providing this evidence.

I hope this conference provides an opportunity to see how better, bigger and shared data can provide evidence which will drive improvements in patient care, and ultimately prove beyond doubt the benefit of what we do.

A handwritten signature in black ink, appearing to read 'Rob Major'.

Dr Rob Major

MEET OUR SPEAKERS

Dr Rob Major

Rob is a Consultant in Emergency Medicine who has worked at Ipswich, Addenbrooke's and Norfolk and Norwich Hospitals. He is Chair of the Research, Audit, Innovation and Development (RAID) group and head of training at EAAA. He leads the Simulation group for the Fellowship of Immediate Care Exam at the Faculty of Pre-Hospital Care in Edinburgh and is an Honorary Clinical Lecturer in Tactical Medicine at Queen Mary's University London.



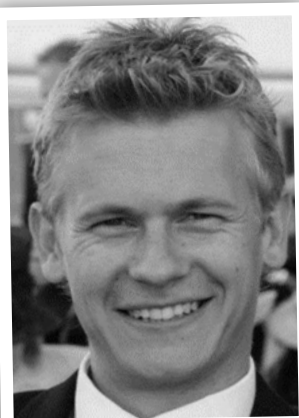
Professor Tim Coats

Tim Coats trained in Emergency Medicine in Leeds and London, developing a particular interest in pre-hospital trauma care, and completing an MD thesis on the incorporation of patterns of change in physiology in a predictive model of outcome following injury.

Following appointment as a Senior Lecturer in London in 1996 with the London HEMS service, he moved to the University of Leicester as Professor of Emergency Medicine in 2004. He is a past Chair of the College of Emergency Medicine Research Committee, past Chair of the NIHR National Specialist Group for Injuries and Emergencies, and Chairs the Trauma Audit and Research Network (TARN). His current research interests are changes in coagulation following injury (in particular the role of antifibrinolytics following injury), non-invasive monitoring in the diagnosis of sepsis in emergency care and quality improvement based on predictive outcome modelling.

Dr Nick Crombie

Nick is a Consultant Trauma Anaesthetist at University Hospitals Birmingham, and has spent 15 years in Pre-Hospital Emergency Medicine. Having been both Clinical Lead for Midlands Air Ambulance and the first Training Programme Director for PHEM in the West Midlands, he set up and is the Chief Investigator for the RePHILL trial examining the superiority of using Pre-Hospital Blood Products in trauma.



Dr Phil Hyde

Phil Hyde is a Consultant Paediatric Intensivist at Southampton Children's Hospital, Medical Lead for Dorset and Somerset Air Ambulance and curriculum chair of the Intercollegiate Board for Training in Pre-Hospital Emergency Medicine (IBTPHEM). He has an interest in team education.



Dr James Price

Dr James Price is a specialty registrar in Adult, Paediatric and Pre-hospital Emergency Medicine at Cambridge University Hospitals NHS Foundation Trust and Magpas Air Ambulance. Since 2016, he has held an honorary clinical research fellow post with the East Anglian Air Ambulance, and as a founding member of RAID, has led on several regional projects with an interest in pre-hospital emergency anaesthesia and resuscitation.



Dr Nikki Wallace-King

Nikki is a Locum EM Consultant at the Norfolk and Norwich university Hospital and HEMS doctor with EAAA. She has a strong interest in equestrian trauma and has provided medical cover at equestrian events for nearly 10 years. She is Chief Medical Officer at Houghton International Horse Trials, Burnham Market International Horse Trials, Barbury Castle International Horse Trials and Rockingham Castle International

Horse Trials. In addition to this she provides cover at a large number of national events and a number of horse racing courses including Huntingdon, Fakenham and Great Yarmouth.



Adam Carr

Adam joined the East of England Ambulance service in 2002 during which time he performed a number of different clinical, managerial and teaching roles. In 2010 Adam joined the Magpas Helimedix as a volunteer Critical Care Paramedic before gaining a full-time position at the Essex and Herts Air Ambulance in 2013.



January 2017 Adam became the Patient Liaison Manager for the Essex and Herts Air Ambulance where, along with a colleague, he has developed this role and is now the Head of the Patient and Family Liaison Team. During the first wave of the COVID-19 pandemic Adam was a part of the Family Support and Liaison Team based at the Nightingale Hospital London and then went on to continue supporting this team at the Royal London Hospital.

Mr Alastair Wilson

Mr Alastair Wilson had an illustrious career in Emergency Medicine at The Royal London Hospital for 30 years, helped found the London Air Ambulance in 1989 and was awarded an OBE for his work on the frontline during the 7/7 bombings in 2005. In 2013 he retired from London and became Medical Director of the East Anglian Air Ambulance, retiring from that role in 2020.





Dr Jon Barratt

Lt Col Jon Barratt is a EM and PHEM Consultant in the British Army and works clinically at University Hospitals of the North Midlands and East Anglian Air Ambulance. At EAAA he has been the POCUS Governance Lead for the last two years and oversaw an innovative project to introduce a novel POCUS solution that improves governance and reporting of POCUS studies captured in the pre-hospital environment.

Alison Brett

Alison has been a qualified nurse for over 30 years, 17 of which have been in senior leadership roles. Alison has a Master's degree in Child Protection and her career has involved working in a variety of health organisations and fields, including acute, community, primary care, and local authority. The last 3 years Alison has set up and developed the Aftercare service for the East Anglian Air Ambulance. During the first wave of the COVID-19 pandemic Alison was a part of the Family Support and Liaison Team based at the Nightingale Hospital London.



Adam Crosby

After obtaining a degree in Psychology, Adam joined the London Ambulance Service in 1996 where he performed a variety of clinical and managerial positions for 16 years. He then spent 4 years in Abu Dhabi as Director of Operations for the Emergency and Public Safety branch of National Ambulance. In 2016 Adam returned to the UK and was the Service Manager for a busy London A&E. In 2018 Adam joined Thames Valley Air Ambulance in the position of Patient Liaison Manager and has overseen the implementation and growth of the service and is now Head of Aftercare and Safeguarding Lead.



Dr Toby Edmonds

Toby is an ST9 in Emergency Medicine and Critical Care, he is also a HEMS Doctor with East Anglian Air Ambulance and Lincs and Notts Air Ambulance. He is Education lead for EAAA ultrasound programme and has been joint lead for a national survey of pre-hospital ultrasound to better understand the UK perspective on its use and application in the pre-hospital setting.



Sue Gee

Sue is an experienced Coronary Care Sister, working on a busy unit at Norfolk and Norwich University Hospital for almost 20 years. Sue joined EAAA as a Clinical Liaison Nurse part time in September 2018. During her time at EAAA she has worked in collaboration with her colleagues at her base hospital providing exceptional follow-up care to EAAA patients.



Dr Kate Lachowycz

Kate joined East Anglian Air Ambulance last year as Research & Development Lead, working with Rob Major to co-ordinate and support the work of the research, audit, innovation and development (RAID) group. She is an epidemiologist, with skills using data and analytics to support service planning and improve patient care. Kate's career has included senior health analyst and

researcher roles within the NHS, in academia and in the civil service. She has an MSc from the London School of Hygiene & Tropical Medicine and PhD from the University of East Anglia.



SPECIAL THANKS



We would like to express our sincere gratitude for the generous support of our headline sponsors:

ZOLL®

ZOLL is focused on improving patient outcomes and advancing resuscitation. Our products and solutions encompass multiple facets of resuscitation and work as a system to help improve survival rates from sudden cardiac arrest.

<https://www.zoll.com/uk>

GET INVOLVED

WITH EAST ANGLIAN AIR AMBULANCE

East Anglian Air Ambulance exists to save lives by delivering highly skilled doctors and critical care paramedics by air or car 24/7 to seriously ill or injured people in the region 365 days-a-year.

We are a life-saving charity that is only kept airborne thanks to our incredible supporters. In June EAAA became the first helicopter emergency medical service in the East of England to fly 24/7.

We are committed to delivering outstanding care, quality, and value to the community. We thrive on challenges, looking for innovative ways to grow and improve the service further through an open culture of continuous improvement, by scrutinising our actions, sharing knowledge, and learning from past events.

Our motivation comes from a determination and a passion to provide the best possible outcomes to our patients.

You can learn more about us [here](#), and discover ways that you can get involved [here](#).



Our grateful thanks also go to our production team for their support towards the event:



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Together we save lives



THANK YOU FOR JOINING US

Please do get in touch if you have any questions or would like further information on any of our future plans, operations and events.

We look forward to seeing you again soon.

SHARE YOUR FEEDBACK

We hope you enjoy today's event and would love to hear your thoughts. Please scan the QR code to give us some feedback!



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