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BREAKING BARRIERS
RAID | 2023



'BREAKING BARRIERS'

RAID | 2023

**THE FUTURE OF OUT OF HOSPITAL
CARDIAC ARREST CARE**

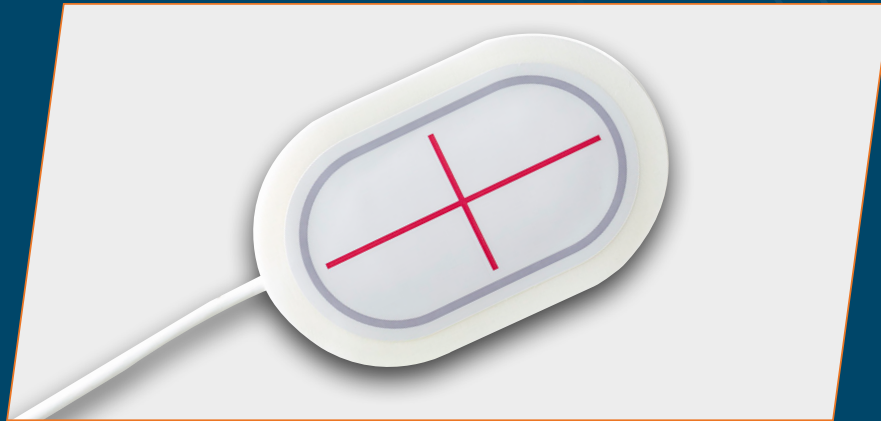
Six hours of CPD - supported by the Faculty of
Pre-Hospital Care, RCSEd

Friday 28th April 2023

Join the conversation online using
#RAIDconference

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MAIN SESSION

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

Meeting ID: 819 4103 7399 | Passcode: 142263

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.

Please note, EAAA reserve the right to change the programme and timings ahead of the day.

- | | |
|---------------|---|
| 9.00 - 9.25 | Welcome and introduction -
'Current considerations for Out of Hospital Cardiac Arrest (OOHCA), <i>Dr Rob Major</i> |
| 9.25 - 10.05 | After OOHCA, East of England UDCD Trial,
<i>Dr Dominic Summers</i> |
| 10.05 - 10.45 | The Future of OOHCA Resuscitation, <i>Dr Paul Rees</i> |
| 10.45 - 11.00 | Refreshment break |
| 11.00 - 11.45 | Netherlands Experience of Pre-hospital ECMO,
<i>Dr Dinis Reis Miranda</i> |
| 11.45 - 12.15 | Focusing on the human element in the OOHCA,
<i>Dr Stefanie Cormack</i> |
| 12.15 - 13.00 | Lunch Break |
| 13.00 - 13.45 | Patient and Public Involvement in Pre-Hospital research, <i>Dr Wanda Russell</i> |
| 13.45 - 14.30 | Triage Algorithms and Early Results from ECTC Trial, <i>Dr Thomas Keeble</i> |
| 14.30 - 15.00 | Refreshment break |

BREAKOUT SESSIONS

15.00 - 16.30

Breakout session 1: Faculty of Pre-Hospital Care, East of England Regional Session - Clinical demonstration and panel discussion on future models for OOHCA

Panel Members:

Dr Paul Rees (*Barts Health NHS Trust*)

Dr Will Davies (*Royal Papworth Hospital*)

Dr Thomas Keeble (*Essex Cardiothoracic Centre*)

Dr Dinis Reis Mirander (*Dutch HEMS/ECMO*)

Dr James Raitt (*Thames Valley Air Ambulance*)

Dr Fran Caetano (*Royal Papworth Hospital*)

Link to join: [Click here](#)

Meeting ID: 825 3597 1909 | Passcode: 689713

15.00 - 16.30

Breakout session 2: Submitted abstract/poster presentation competition

Link to join: [Click here](#)

15.00 - 16.30

Breakout session 3: Pre-hospital Patient Aftercare - The Power of Peer Support

Link to join (Part 1): [Click here](#)

Link to join (Part 2): [Click here](#)

Live Q&A and interview

Meeting ID: 345 936 728 412 | Passcode: zVv9NW

16.30 - 17.00

Closing remarks

Dr Rob Major - Final thoughts

Link to join: [Click here](#)

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**GOT A
QUESTION FOR
ONE OF OUR
SPEAKERS?**

You can submit these via our Slido app where you can also view questions submitted by other attendees and vote for the questions you like, bringing the most important topics to light.

Choose whether to ask anonymously or add your name.



Ask a question or join
the discussion!

A WELCOME FROM DR ROB MAJOR

FRCEM FIMC MA, DEPUTY MEDICAL DIRECTOR AT EAST ANGLIAN AIR AMBULANCE AND CHAIR OF THE RAID GROUP

It's my pleasure to welcome you to East Anglian Air Ambulance's 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 medical out of hospital cardiac arrest (OOHCA) care.

The UK survival to discharge rates for OOHCA are improving slowly, and the UK lags behind other medical international systems. From initial 999 call, through tiered responses into specialist cardiac centres, understanding interventions that make a difference to survival is key.

Efforts to improve dispatch, basic and advanced life support, critical care interventions, management at cardiac centres and patient aftercare all needs data to drive quality improvement.

I hope this conference provides an opportunity to discuss the data, the evidence and novel innovation in the OOHCA space, which can be a springboard for better understanding and quality improvement.



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](#).



MEET THIS YEAR'S 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.



Dr Dinis Reis Miranda

Anesthesiologist-Intensivist, HEMS physician. Initiator and principal investigator On-scene trial.



Dr James Raitt

James is a Consultant in Emergency Medicine at Frimley Park Hospital in Surrey, and Consultant in Pre-Hospital Emergency Medicine with Thames Valley Air Ambulance. He is also the lead of the Audit, Improvement and



Research group for TVAA which has had a recent focus on cardiac arrest related improvement projects including a protocol for vector change defibrillation for refractory shockable rhythms and the establishment of an ECMO CPR pathway in conjunction with the Harefield Hospital.

Dr Will Davies

Will is a Consultant Cardiologist at Royal Papworth Hospital with specialist interests in percutaneous coronary intervention for coronary artery disease and structural intervention for degenerative valvular disease.



Dr Davies graduated from the University of Sheffield in 1998, gaining clinical distinctions and prizes at Final MB ChB. He then undertook training in Cardiothoracic Surgery and was awarded Membership of the Royal College of Surgeons in 2001. His unique training in both cardiac surgery and cardiology allows him to understand the relative strengths and weaknesses of both specialties when dealing with the patient with complex cardiac pathology.

Dr Francisca Caetano



Francisca went to medical school at Coimbra University and trained in Cardiology at the Coimbra University Hospital Centre in Portugal. In 2014 she moved to England to train in Intensive Care Medicine with sub-specialisation in Advanced Heart Failure, Mechanical Circulatory Support and Echocardiography in Critical Care. Since 2022 Dr Caetano has been working at the Royal Papworth Hospital as a Consultant in Cardiothoracic Critical Care.

Francisca is the author of 29 papers and 175 abstracts published in peer reviewed journals. She is also a member of The Cochrane Heart Group Editorial Board, reviewer for the Journal of American College of Cardiology: Case Reports, senior reviewer for the European Heart Journal: Case Reports and reviewer for The Journal of the Intensive Care Society.



Dr Dominic Summers

Dominic is a consultant kidney and vascular access surgeon from Cambridge.

His research interests include increasing access to kidney transplantation by using 'big data' to improve understanding of the risk

of using organs from 'higher risk' donors and improving transplant outcomes. In particular, this has focused on donation after circulatory death (DCD) kidney transplantation, and his work informed the current national DCD kidney allocation scheme. He has an interest in efficient clinical trial design and is a co-investigator on the PITHIA trial, a randomised-registry trial that is evaluating the use of pre-implantation kidney biopsies as a tool improve the evaluation of kidneys for transplantation.

Dr Wanda Russell

Wanda is a Research Fellow in Health Services Research and works as a Research Design Service Advisor at the Institute for Primary Care and Health Sciences at Keele University. Dr Russell has worked as a researcher in a variety of different health care settings in the UK, such as ophthalmology, dentistry, oncology, traumatic brain injury/ neuroscience, and complex wounds to name a few.



Wanda's research experience has embraced the disciplines of evaluation research (health services), epidemiology, public health research and clinical audit and she has acquired a range of skills in both quantitative and qualitative methods.



Dr Paul Rees

Paul is a military interventional cardiologist at Barts Heart Centre in London, with a special interest in circulatory support and resuscitation. He is also a HEMS consultant, flying for East Anglian Air Ambulance.

As a Surgeon Commander in the Royal Navy, he is their Consultant Advisor in Medicine, as well as Reader in the Academic Department of Military Medicine. He chairs the Defence Resuscitation Committee, leads the Defence Endovascular Resuscitation Group and has recently designed and delivered a new capability for treating battlefield haemorrhage.

Dr Thomas Keeble

Thomas is a Consultant Cardiologist and an expert in the management of heart problems including high blood pressure, palpitations (AF / arrhythmias), chest pain, valvular heart disease, high cholesterol and cardiovascular risk, heart attacks and angina. He specialises in heart artery stent implantation, both in stable patients with chest pain and in patients presented to the Essex Cardiothoracic Centre with heart attacks (blocked heart arteries).



Dr Keeble has a strong research interest in heart attack and cardiac arrest medicine and is performing clinical trials testing new and innovative therapies to improve patient outcomes. As a result he is a recognised expert in cardiac arrest medicine, coronary physiology and coronary stenting.



Dr Stef Cormack

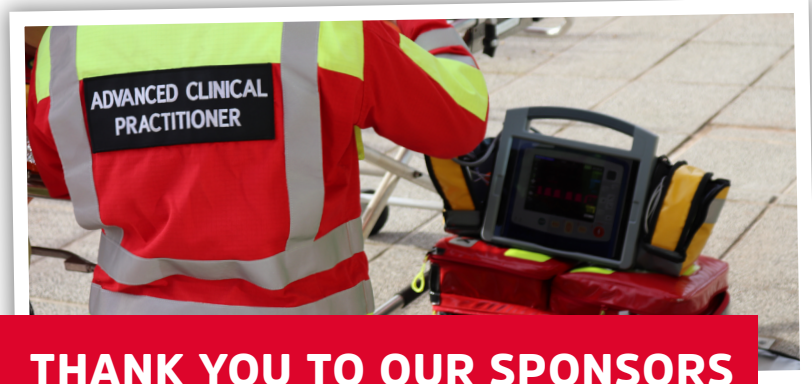
Dr Stef Cormack currently works at the University of Wolverhampton as a Senior Lecturer and research lead for paramedic science. This follows 20 years as an operational paramedic, specialising in HEMS as a critical care paramedic. She is also an experienced fitness to practice

panel member, previously sitting as a panel registrant panel member for the Health and Care Professions Tribunal Service.

Stef has significant clinical and teaching experience and specialises in human factors, patient safety, and resuscitation. Her PhD studied non-technical skills in the paramedic managed out-of-hospital cardiac arrest and used a mixed methods approach to design and evaluate a behavioural marker system for paramedic non-technical skills in the OHCA - Paramedic Out-of-Hospital Cardiac Arrest Assessment Tool (POHCAAT).

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. In the last 5 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.



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



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>

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



Production Bureau are a multi-service production agency and a people business, dedicated to turning inspired ideas into reality. Their thriving UK hubs in Norwich and Edinburgh have a global reach, delivering spectacular live events, compelling virtual meetings, interactive exhibitions, employee engagement gatherings, creative brand identities and bespoke technical solutions.



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.

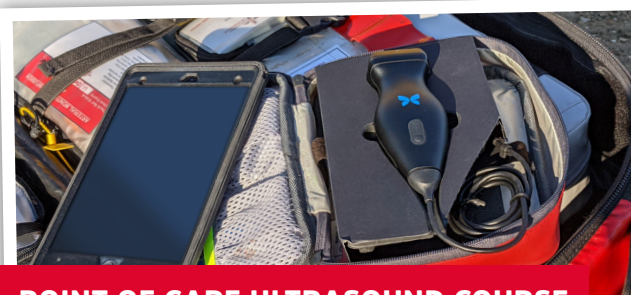
Our motivation comes from a determination and a passion to provide the best possible outcomes to our patients.

Together we save lives

You can learn more [about us](#) and how you can get involved [here](#).

TRAINING COURSES

East Anglian Air Ambulance have developed an extensive education programme, you can find out more via our website.



POINT OF CARE ULTRASOUND COURSE

Accredited by the Royal College of Anaesthetists for 5 CPD credits, this course covers all the basics that are required for the Royal College of Emergency Medicine Core Ultrasound training to allow learners to go on and develop a portfolio of experience prior to undertaking sign off assessments.

[Learn more and book](#)



SPEAR COURSE

This course represents an important first step on the ladder of endovascular resuscitation and is aimed at advanced resuscitation teams interested in growing their emergency vascular access skills.

[Learn more and book](#)



THANK YOU FOR JOINING US!

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

Want to give us some 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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