



Operational side

of cardiac arrests

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Presented by Matt Dinnery, a qualified teacher with PGCE, completed MIMMS provider training in 2015 & 2019, followed by SMART D-Net CPD in 2020. Clinically awarded FREC4 in 2020, having also obtained a BSc (Hons) Biomedical Sciences in 2012.

Matt has worked in events, including crowd safety, security, event safety & medical, since 2006.

He has produced various event, crowd & medical operational/safety plans for events from 50-280,000 guests.

Recruitment



- ProMed is a Living Wage employer
 - We pay £11.80/hr outside London
 - We pay £13.55/hr inside London
- ProMed is a signatory to the Prompt Payment Code
 - We pay all suppliers within 30 days
- Roles
 - First responder (FREC3 or higher)
 - Emergency medical technician (FREC4 or higher)
- apply@promed999.co.uk

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Training courses



- Visit www.promed999.co.uk/training for full details & dates
- QA Level 3 Certificate in First Response Emergency Care (RQF) + QA Level 3 Award in Administering Medical Gases (QCF) - £395.00
- QA Level 4 Certificate in First Response Emergency Care (RQF) - £495.00
- QA Level 4 Award in Immediate Life Support (RQF) - £125.00
- QA Level 3 Award in Safe Administration of Lifesaving Medication (RQF) - £200.00

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No quibble refund if the course is cancelled

No refund will be provided for cancellations made less than 24 hours in advance, or in case of no-show. A cancellation fee of £30 per person applies for cancellations made less than 7 days in advance. No cancellation fee applies for cancellations made 7 or more days in advance.

All courses near Aylesbury – can also run courses for 4+ people anywhere in the UK
Soon to be offering courses in Rotherham

FREC3: 22nd March (5 weekdays) 13th February (3 weekends / 5 days) – includes copy of Ambulance Care Essentials

FREC3 RQ: 13th March (2 weekends / 3 days) - £250

FREC4: 23rd January (3 weekends / 5 days) – includes copy of Ambulance Care Practice

ILS: 7th March (1 day) – includes copy of Resus Council (UK) Immediate Life Support

SALM: 27th March (2 days) – includes JRCALC pocket book

Operational side of cardiac arrests



- Everyone attending a ProMed training event has the right to expect a space free from bullying, intimidation and harassment.
- Everyone has the right to be treated with dignity, respect and courtesy and not to be discriminated against.
- Please read the full code of conduct at:
<https://www.promed999.co.uk/training/continuous-professional-development-cpd/code-of-conduct/>
- If you need to report inappropriate behaviour, please privately message ProMed Admin Team during the webinar, or email webinars@promed999.co.uk following the meeting

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ProMed will not tolerate any form of harassment or discrimination. Anybody attending a ProMed event are responsible for their own behaviour and must ensure they behave appropriately showing respect to others during ProMed events and social activities.

Reports of inappropriate behaviour, including behaviour which brings injury or discredit to Professional Medical Ambulance Services Limited, will be treated seriously and acted upon promptly. Any such behaviour may ultimately result in attendees being asked to leave and/or legal action being taken.

The event coordinator has complete discretion to ask individuals to leave the event.

Any persons breaching this code of conduct will be reported to ProMed's leadership team, and may be prevented from attending future opportunities.

Operational side of cardiac arrests



- Pre-arrival
- Solo responder
- Use of bystanders
- Team leadership
- Communication
- Non-HCP crews
- HCP tasks
- Aftermath

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Pre-arrival



- Start of shift briefing

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Solo responder



- ABCs – Airway, Breathing, Circulation
- Quality CPR
- Correctly apply self-adhesive defibrillation/monitoring pads (below right clavicle, V6 position)

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Use of bystanders



- Cardiopulmonary resuscitation (CPR)
- Finding an automated external defibrillator (AED)
- Initial 112/999 communication

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Team leadership



- Most critical role for immediate/advanced life support
- Ideally hands-off
- Ideally has dedicated scribe/loggist
- Deploys team effectively based on skills
- Ensures quality CPR
 - Plans actions before pausing & communicates to the team
 - Minimises time off the chest
- Considers reversible causes (4Hs & 4Ts) & ensures correction

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Hypoxia

Hypovolaemia

Hyperkalaemia, hypokalaemia, hypoglycaemia, hypocalcaemia, acidaemia and other metabolic disorders

Hypothermia

Thrombosis (coronary or pulmonary)

Tension pneumothorax

Tamponade – cardiac

Toxins

Communication



- 112/999 – if not a frontline crew
- Dispatch – if a frontline crew
- What is the situation on arrival (of each resource)
- Has the situation improved or worsened
- Non-healthcare resources

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Non-HCP crews



- Focus on quality chest compressions
 - Feedback devices
- Minimise time off the chest
- Appropriate airway adjuncts – up to SGAD
- High-flow oxygen (12-15 l/min) & SpO₂ monitoring
- End-tidal CO₂ monitoring
- Assist HCP as appropriate
- Assist team leader as appropriate

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HCP tasks



- IV access, largest possible
- Adrenaline 1mg 1:10,000 (10ml) IV ready to go, lots of
- Amiodarone 300mg IV ready to go, 1 of
- Flushes
 - >20ml per drug administered
 - Lots of 10ml syringes ready to go
 - 250ml 0.9% NaCl infusion with giving set connected
- Endotracheal intubation, if required

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Aftermath



- Completion of PCR
- Restocking of equipment
- Hot debrief
- Follow up for TRiM

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Reviews



- Tonight's webinar has been provided free-of-charge
- However, we would ask that you leave us at least one review!

- Trustpilot: <https://uk.trustpilot.com/review/promed999.co.uk>
- Yell: <https://www.yell.com/biz/professional-medical-ambulance-services-ltd-london-8529857/>
- Google: <https://g.page/promed999/review>
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Questions?

Please type in the chat box, or raise your hand & unmute yourself when invited!

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