



Prehospital Emergency Services
Current Awareness Update
Issue 73, July 2019

The aim of this Current Awareness Update is to provide a digest of information supporting evidence based practice in prehospital emergency services.

This is an edited version of
the update for SWASFT staff

You will need a **SWASFT Athens account** to access resources
-register [here](#)

Need help accessing resources?

- email library.mailbox@nhs.net
- Visit <http://discoverylibrary.org/swasft>
- ring 01752 439111 (Mon-Fri 0830-1730) – lead library
- Visit your [local NHS library](#)

Prehospital Emergency Services Current Awareness Update – Issue 73, July 2019

With thanks to Matt Holland, LKS ASE Librarian (on behalf of the National Ambulance Research Steering Group).
This Current Awareness Update was commissioned by the National Ambulance Research Steering Group comprising of research leads from ambulance trusts in England, Scotland and Wales and other experts and groups supporting prehospital research. The aim of the group is to support the strategic development of ambulance and prehospital research whether leading, collaborating in or using research.

The research papers have been arranged by the topic headings below:

[Prehospital Practitioners – Professional Development](#)

[Prehospital Research – Methods and Discussion](#)

[Diagnosis & Triage](#)

[Patient Profile](#)

[Helicopter Emergency Medical Services](#)

[On-Scene Interventions](#)

[Airway Management, Resuscitation & CPR](#)

[New ebooks and other resources](#)

Visit <http://discoverylibrary.org/swasft>
to see all the information resources available to you including:

- ebooks
- databases
- journals
- point of care tools
- apps

AlShammari, T. *et al.* (2019a) 'Emergency medical services core competencies: a Delphi study', *Australasian Journal of Paramedicine*, 16(0).

Click [here](#) to access fulltext (free online as of 15/08/2019)

AlShammari, T. *et al.* (2019b) 'National study of emergency medical services core competencies: a confirmatory factor analysis', *Australasian Journal of Paramedicine*, 16(0).

Click [here](#) to access fulltext (free online as of 15/08/2019)

Anderson, N. *et al.* (2019) 'How are ambulance personnel prepared and supported to withhold or terminate resuscitation and manage patient death in the field? A scoping review', *Australasian Journal of Paramedicine*, 16(0). doi:

Click [here](#) to access fulltext (free online as of 15/08/2019)

Anderson, N. E. *et al.* (2019) 'Paramedic student confidence, concerns, learning and experience with resuscitation decision-making and patient death: A pilot survey', *Australasian Emergency Care*.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Buckley, C. *et al.* (2019) 'Finessing Feedback: Recommendations for Effective Feedback in the Emergency Department.', *Annals of emergency medicine*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Carley, S. (2019) '#FOAMed errors: does the opportunity for speedy resolution outweigh the risk of rapid dissemination?', *Emergency medicine journal : EMJ*, 36(8), pp. 452–452.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Castro-Marin, F. *et al.* (2019) 'Prehospital Protocols Reducing Long Spinal Board Use Are Not Associated with a Change in Incidence of Spinal Cord Injury', *Prehospital Emergency Care*, pp. 1–9.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Caudle, A. *et al.* (2019) 'Nonsense, normative or necessity: the purpose of repeating a modified internship for qualified paramedics to move between Australian states: perspective from one state service', *Australasian Journal of Paramedicine*, 16(0).

Click [here](#) to access fulltext (free online as of 15/08/2019)

Colbeck, M. *et al.* (2019) 'Australasian paramedic clinical practice guidelines for managing cardiac arrest: an appraisal', *Australasian Journal of Paramedicine*, 16(0).

Click [here](#) to access fulltext (free online as of 15/08/2019)

Colldén Benneck, J. and Bremer, A. (2019) 'Registered nurses' experiences of near misses in ambulance care – A critical incident technique study', *International Emergency Nursing*, pp. 100776–100776.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Edwards, S. and Roland, D. (2019) 'Learning from mistakes on social media.', *Emergency medicine journal : EMJ*, 36(8), pp. 453–455.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Gutenstein, M. (2019) 'Daring to be wise: We are black boxes, and artificial intelligence will be the solution', *Emergency Medicine Australasia*, pp. 1742-6723.13363.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Halle-Smith, J. M. *et al.* (2019) 'Twenty Years of Military Prehospital Care in the Eastern Sovereign Base Area, Cyprus', *Journal of the Royal Army Medical Corps*, p. jramc-2019-001221.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Knapp, J. *et al.* (2019) 'Influence of prehospital physician presence on survival after severe trauma', *Journal of Trauma and Acute Care Surgery*, pp. 1–1.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Kremers, M. N. T. *et al.* (2019a) 'Strengths and weaknesses of the acute care systems in the United Kingdom and the Netherlands: what can we learn from each other?', *BMC Emergency Medicine*, 19(1), pp. 40–40.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Larouche, D. *et al.* (2019) 'To what extent do paramedics apply safe handling principles when transferring patients from stair chairs to stretchers?', *Ergonomics*, pp. 1–14.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Lee, D., Stahlman, B. and Sharrah, M. (2019) 'Daylight Saving Time is not Associated with an Increased Number of Trauma Activations', *Western Journal of Emergency Medicine*, 20(4), pp. 585–586.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Martin, A. and Manley, K. (2019) 'Developing an integrated career and competence framework for a whole systems approach to urgent and emergency care delivery', *International Emergency Nursing*, pp. 100784–100784.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Mitra, B. *et al.* (2019) 'Proactive review by the emergency department before inter-hospital transfer (the PREVENT study)', *Emergency Medicine Australasia*, pp. 1742-6723.13338.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Morbey, R. *et al.* (2019) 'Potential added value of the new emergency care dataset to ED-based public health surveillance in England: an initial concept analysis.', *Emergency medicine journal : EMJ*, 36(8), pp. 459–464.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Mulholland, P., Barnett, T. and Woodroffe, J. (2019) 'A grounded theory of interprofessional learning and paramedic care', *Journal of Interprofessional Care*, pp. 1–10.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Norberg Boysen, G. *et al.* (2019a) 'Patient trust and patient safety for low-priority patients: A randomized controlled trial pilot study in the prehospital chain of care', *International Emergency Nursing*, pp. 100778–100778.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

O'Callaghan, E. L. *et al.* (2019) 'Compassion satisfaction and compassion fatigue in Australian emergency nurses: A descriptive cross-sectional study', *International Emergency Nursing*, pp. 100785–100785.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Reay, G. *et al.* (2019) 'Transition in Care from EMS Providers to Emergency Department Nurses: A Systematic Review', *Prehospital Emergency Care*, pp. 1–13.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Rivard, M. K. *et al.* (2019) 'Comprehensive Description of the Advanced Emergency Medical Technician Certification Level', *Prehospital Emergency Care*, pp. 1–7.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Rue, C. A. *et al.* (2019) 'A job task analysis to describe the physical demands of specialist paramedic roles in the National Ambulance Resilience Unit (NARU)', *Work*, pp. 1–11.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Subbe, C. P. *et al.* (2019) 'Quality metrics for the evaluation of Rapid Response Systems: Proceedings from the third international consensus conference on Rapid Response Systems.', *Resuscitation*, 141, pp. 1–12.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Timms, V. (2019) 'BET 1: To debrief or not debrief.', *Emergency medicine journal : EMJ*, 36(7), pp. 444–445.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Vaziri, L. *et al.* (2019) 'Paramedic direct referrals to senior decision maker: is this the way forward? A pilot project in acute general medicine and ambulatory care at the John Radcliffe Hospital, Oxford', *Clinical Medicine*, 19(Suppl 3), pp. 49–49.

Click [here](#) to access fulltext-conference abstract- (free online as of 15/08/2019)

Weston, B. W. *et al.* (2019) 'Fear and paperwork: Evaluating barriers to safer prehospital care.', *The American journal of emergency medicine*, 0(0), pp. 158375–158375.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Williams, B., Edlington, T. and Edlington, T. (2019) 'Attitudes towards continuing professional development: a qualitative study of Australian paramedics', *Australasian Journal of Paramedicine*, 16(0).

Click [here](#) to access fulltext (free online as of 15/08/2019)

Prehospital Research – Methods and Discussion

Adam, D. (2019) 'How a data detective exposed suspicious medical trials', *Nature*, 571(7766), pp. 462–464.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Kea, B., Hall, M. K. and Wang, R. (2019) 'Recognising bias in studies of diagnostic tests part 2: interpreting and verifying the index test.', *Emergency medicine journal : EMJ*, 36(8), pp. 501–505. [Click here](#) to access fulltext- SWASFT Athens required (register [here](#)). [Click here](#) to access free abstract

Long, E. *et al.* (2019) 'Review article: A primer for clinical researchers in the emergency department: Part IX. How to conduct a systematic review in the field of emergency medicine', *Emergency Medicine Australasia*, 31(4), pp. 516–524.

[Click here](#) to access fulltext- SWASFT Athens required (register [here](#)). [Click here](#) to access free abstract

ter Avest, E. and Lameijer, H. (2019) "'PARAMEDIC-2: Big study, small result'", *Netherlands Heart Journal*, 27(7–8), pp. 341–342.

[Click here](#) to access fulltext (free online as of 15/08/2019)

Powers, P. E. *et al.* (2019) 'Public Deliberation as a Novel Method for an Exception From Informed Consent Community Consultation', *Academic Emergency Medicine*. Edited by C. Newgard, p. acem.13827-acem.13827.

[Click here](#) to access fulltext- SWASFT Athens required (register [here](#)). [Click here](#) to access free abstract

Rosell, B. J. *et al.* (2019) 'Subject Retention in Prehospital Stroke Research Using a Telephone-Based Physician-Investigator Driven Enrollment Method', *Cerebrovascular Diseases Extra*, 9(2), pp. 72–76.

[Click here](#) to access fulltext (free online as of 15/08/2019)

Smyth, M. A. *et al.* (2019) 'Derivation and internal validation of the screening to enhance prehospital identification of sepsis (SEPSIS) score in adults on arrival at the emergency department', *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27(1), pp. 67–67.

[Click here](#) to access fulltext (free online as of 15/08/2019)

Wang, H. E. *et al.* (2019) 'Bayesian Analysis of the Pragmatic Airway Resuscitation Trial.', *Annals of emergency medicine*, 0(0).

[Click here](#) to access fulltext- SWASFT Athens required (register [here](#)). [Click here](#) to access free abstract

Diagnosis and Triage

Borrelli, G. *et al.* (2019) 'Early recognition of sepsis through emergency medical services pre-hospital screening.', *The American journal of emergency medicine*, 37(8), pp. 1428–1432.

[Click here](#) to access fulltext- SWASFT Athens required (register [here](#)). [Click here](#) to access free abstract

Chiu, Y.-C. *et al.* (2019) 'Using G-FAST to recognize emergent large vessel occlusion: a training program for a prehospital bypass strategy', *Journal of NeuroInterventional Surgery*, p. neurintsurg-2019-015171.

[Click here](#) to access fulltext- SWASFT Athens required (register [here](#)). [Click here](#) to access free abstract

Crilly, J., Robinson, J., *et al.* (2019) 'Recognition, response and outcomes of sepsis: A dual site retrospective observational study', *International Emergency Nursing*.

[Click here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Jousi, M., Björkman, J. and Nurmi, J. (2019) 'Point-of-care analyses of blood samples from intraosseous access in pre-hospital critical care', *Acta Anaesthesiologica Scandinavica*, p. aas.13443-aas.13443.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Kaier, T. E. *et al.* (2019) 'Cardiac Myosin-Binding Protein C to Diagnose Acute Myocardial Infarction in the Pre-Hospital Setting', *Journal of the American Heart Association*, 8(15), pp. e013152–e013152.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Lane, D. J. *et al.* (2019) 'Assessing Severity of Illness in Patients Transported to Hospital by Paramedics: External Validation of 3 Prognostic Scores', *Prehospital Emergency Care*, pp. 1–9.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Long, B., Koyfman, A. and Gottlieb, M. (2019) 'Factors Predicting Difficult Endotracheal Intubation', *Academic Emergency Medicine*. Edited by S. Zahtabchi, p. acem.13824-acem.13824.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Martín-Rodríguez, F. *et al.* (2019) 'A Multicenter Observational Prospective Cohort Study of Association of the Prehospital National Early Warning Score 2 and Hospital Triage with Early Mortality', *Emergency Medicine International*, 2019, pp. 1–8.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Nehme, A. *et al.* (2019) 'Cincinnati Prehospital Stroke Scale for EMS Redirection of Large Vessel Occlusion Stroke', *Canadian Journal of Neurological Sciences / Journal Canadien des Sciences Neurologiques*, pp. 1–19.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Ng, C.-J. *et al.* (2019) 'Validation of the five-tier Taiwan Triage and Acuity Scale for prehospital use by Emergency Medical Technicians.', *Emergency medicine journal : EMJ*, 36(8), pp. 472–478.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Seki, T. *et al.* (2019) 'Outcome prediction of out-of-hospital cardiac arrest with presumed cardiac aetiology using an advanced machine learning technique.', *Resuscitation*, 141, pp. 128–135.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Venema, E. *et al.* (2019) 'Prehospital triage of patients with suspected stroke symptoms (PRESTO): protocol of a prospective observational study', *BMJ Open*, 9(7), pp. e028810–e028810.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Walsh, K. B. (2019) 'Non-invasive sensor technology for prehospital stroke diagnosis: Current status and future directions', *International Journal of Stroke*, pp. 174749301986662–174749301986662.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Weatherall, A. *et al.* (2019) 'Near-infrared spectroscopy monitoring in a pre-hospital trauma patient cohort: An analysis of successful signal collection', *Acta Anaesthesiologica Scandinavica*, p. aas.13444-aas.13444.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Weiss, S. J. *et al.* (2019) 'Sepsis alerts in EMS and the results of pre-hospital ETCO₂.', *The American journal of emergency medicine*, 37(8), pp. 1505–1509.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Witting, M. D. *et al.* (2019) 'Predicting Failure of Intravenous Access in Adults: The Value of Prior Difficulty.', *The Journal of emergency medicine*, 57(1), pp. 1–5.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Yan, B. W. and Hsia, R. Y. (2019) 'Unexpected deaths among patients with normal initial vital signs', *Academic Emergency Medicine*, p. acem.13833-acem.13833.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Patient Profile

Bigdon, S. F. *et al.* (2019) 'Spinal injury in alpine winter sports: a review', *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27(1), pp. 69–69.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Byerly, S. *et al.* (2019) 'Hit by a Train: Injury Burden and Clinical Outcomes.', *The Journal of emergency medicine*, 57(1), pp. 6–12.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Burroughs, Z. T. *et al.* (2019) 'Prehospital Care of Pediatric Hypoglycemic Seizure Patients in the State of North Carolina: A Retrospective Cohort Study', *Academic Emergency Medicine*, p. acem.13834-acem.13834.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Castillo, E. M. *et al.* (2019) 'Factors Associated With Geriatric Frequent Users of Emergency Departments.', *Annals of emergency medicine*, 74(2), pp. 270–275.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Crilly, J., Johnston, A. N., *et al.* (2019) 'Review article: Clinical characteristics and outcomes of patient presentations to the emergency department via police: A scoping review', *Emergency Medicine Australasia*, 31(4), pp. 506–515.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Dalton, T. R. *et al.* (2019) 'Prevalence and correlates of domestic violence among people seeking treatment for self-harm: data from a regional self-harm register.', *Emergency medicine journal : EMJ*, 36(7), pp. 407–409.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Farley, K. X. *et al.* (2019) 'Avocado-related knife injuries: Describing an epidemic of hand injury.', *The American journal of emergency medicine*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Hanning, J. *et al.* (2019) 'Review article: Goals-of-care discussions for adult patients nearing end of life in emergency departments: A systematic review', *Emergency Medicine Australasia*, 31(4), pp. 525–532.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

The Health Foundation' (2019). 'Emergency admissions to hospital from care homes: how often and what for?

Click [here](#) to access fulltext (free online as of 15/08/2019)

La Count, S. *et al.* (2019) 'Factors Associated With Poor Outcome in Pediatric Near-Hanging Injuries.', *Journal of emergency medicine*, 57(1), pp. 21–28.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Métraiiller-Mermoud, J. *et al.* (2019) 'Avalanche victims in cardiac arrest are unlikely to survive despite adherence to medical guidelines.', *Resuscitation*, 141, pp. 35–43.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Nesje, E. *et al.* (2019) 'Epidemiology of paediatric trauma in Norway: a single-trauma centre observational study', *International Journal of Emergency Medicine*, 12(1), pp. 18–18.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Ottosen, C. I. *et al.* (2019) 'Patient experience of spinal immobilisation after trauma', *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27(1), pp. 70–70

Click [here](#) to access fulltext (free online as of 15/08/2019)

Poku, B. A. and Hemingway, P. (2019) 'Reducing repeat paediatric emergency department attendance for non-urgent care: a systematic review of the effectiveness of interventions.', *Emergency medicine journal : EMJ*, 36(7), pp. 435–442.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Tibullo, L. and Esquinas, A. (2019) 'Outcomes difference in non-invasive ventilation in "very old" patients with acute respiratory failure: occult gender effect?', *Emergency medicine journal : EMJ*, 36(8), pp. 514–514.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Ueki, S. *et al.* (2019) 'Parental factors predicting unnecessary ambulance use for their child with acute illness: A cross-sectional study', *Journal of Advanced Nursing*, p. jan.14161-jan.14161.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Helicopter Emergency Medical Services

Davis, P. *et al.* (2019) 'Paramedic-initiated helivac to tertiary hospital for primary percutaneous coronary intervention: a strategy for improving treatment delivery times', *Journal of Thoracic Disease*, 11(5), pp. 1819–1830.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Gibbs, S. G. *et al.* (2019) 'Review of Literature for Air Medical Evacuation High-Level Containment Transport', *Air Medical Journal*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

McLean, J. *et al.* (2019) 'First Reported Helicopter In-flight Serratus Plane Block for Rib Fractures', *Air Medical Journal*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Pappinen, J., Olkinuora, A. and Laukkanen-Nevala, P. (2019) 'Defining a mission-based method to determine a HEMS unit's actual service area', *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27(1), pp. 63–63.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Santiago, J. P. and Lickiss, P. B. (2019) 'Controlled Substances Compliance for Transport Programs', *Air Medical Journal*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

On-Scene Interventions

Andolfatto, G. *et al.* (2019) 'Prehospital Analgesia With Intranasal Ketamine (PAIN-K): A Randomized Double-Blind Trial in Adults.', *Annals of emergency medicine*, 74(2), pp. 241–250.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Aoki, M., Abe, T. and Oshima, K. (2019) 'Association of Prehospital Epinephrine Administration With Survival Among Patients With Traumatic Cardiac Arrest Caused By Traffic Collisions', *Scientific Reports*, 9(1), pp. 9922–9922.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Armstrong, D. P. *et al.* (2019) 'Evaluating the effect of a strength and conditioning program to improve paramedic candidates' physical readiness for duty', *Work*, pp. 1–11.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Balamuth, F. *et al.* (2019) 'Pragmatic Pediatric Trial of Balanced Versus Normal Saline Fluid in Sepsis: The PR o MPT BOLUS Randomized Controlled Trial Pilot Feasibility Study', *Academic Emergency Medicine*. Edited by M. L. Macy, p. acem.13815-acem.13815.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Beyda, R. and Johari, D. (2019) 'Tranexamic acid for upper gastrointestinal bleeding', *Academic Emergency Medicine*, p. acem.13835-acem.13835.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Bohm, K. *et al.* (2019) 'Ambulance nurse's experience to relieve pain in patients with addiction problems in Sweden', *International Emergency Nursing*, pp. 100779–100779.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Bregstein, J. S., Wagh, A. M. and Tsz, D. S. (2019) 'Intranasal Lorazepam for Treatment of Severe Agitation in a Pediatric Behavioral Health Patient in the Emergency Department.', *Annals of emergency medicine*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Cudini, D. *et al.* (2019) 'Can pre-hospital administration reduce time to initial antibiotic therapy in septic patients?', *Emergency Medicine Australasia*, 31(4), pp. 669–672. doi: [10.1111/1742-6723.13282](https://doi.org/10.1111/1742-6723.13282).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Ezeibe, C. *et al.* (2019) 'Haemorrhage control in the prehospital setting: a scoping review protocol', *BMJ Open*, 9(7), pp. e029051–e029051.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Fouche, Pieter F *et al.* (2019) 'Review article: Emergency endotracheal intubation in non-traumatic brain pathologies: A systematic review and meta-analysis', *Emergency Medicine Australasia*, 31(4), pp. 533–541.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Fouche, Pieter Francois *et al.* (2019) 'The association of paramedic rapid sequence intubation and survival in out-of-hospital stroke', *Emergency Medicine Journal*, 36(7), pp. 416–422.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Gerson, R. *et al.* (2019) 'This Article Corrects: "Best Practices for Evaluation and Treatment of Agitated Children and Adolescents (BETA) in the Emergency Department: Consensus Statement of the American Association for Emergency Psychiatry"', *Western Journal of Emergency Medicine*, 20(4), pp. 688–689.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Harris, K. *et al.* (2019) 'One single large intramuscular dose of naloxone is effective and safe in suspected heroin poisoning', *Emergency Medicine Australasia*, pp. 1742-6723.13344.
Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Haukoos, J. and Sasson, C. (2019) 'Prehospital Hemorrhage Control—Leveraging Successes From Cardiac Arrest to Optimize Population-Level Effectiveness', *JAMA Surgery*.
Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Hill, G. J. *et al.* (2019) 'Prehospital ketamine administration to pediatric trauma patients with head injuries in combat theaters.', *The American journal of emergency medicine*, 37(8), pp. 1455–1459.
Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Kaniecki, D. M. (2019) 'Pericardiocentesis in an Ambulance: A Case Report and Lessons Learned', *Air Medical Journal*, 0(0).
Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Kondo, Y. *et al.* (2019) 'Association of prehospital oxygen administration and mortality in severe trauma patients (PROMIS)', *Medicine*, 98(27), pp. e16307–e16307
Click [here](#) to access fulltext (free online as of 15/08/2019)

Marsden, M. E. R. *et al.* (2019b) 'Prehospital tranexamic acid shortens the interval to administration by half in Major Trauma Networks: a service evaluation.', *Emergency medicine journal : EMJ*, 36(7), pp. 395–400.
Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Miller, J. B. *et al.* (2019) 'The Extended Treatment Window's Impact on Emergency Systems of Care for Acute Stroke', *Academic Emergency Medicine*. Edited by P. Panagos, 26(7), pp. 744–751.
Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Ridderikhof, M. L. *et al.* (2019a) 'Paracetamol versus other analgesia in adult patients with minor musculoskeletal injuries: a systematic review.', *Emergency medicine journal : EMJ*, 36(8), pp. 493–500.
Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Shahtahmasebi, R., Johnson, R. and Shahtahmasebi, S. (2019) 'Impact of a ketamine sedation protocol on intubation rates and undesirable outcomes in the transport of patients with acute behavioural disturbance', *Emergency Medicine Australasia*, pp. 1742-6723.13368.
Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Teague, W. J., Amarakone, K. V. and Quinn, N. (2019) 'Rule of 4's: Safe and effective pleural decompression and chest drain insertion in severely injured children', *Emergency Medicine Australasia*, 31(4), pp. 683–687.
Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Yap, C. Y. L. *et al.* (2019) 'Risk Factors for Sedation-related Events During Acute Agitation Management in the Emergency Department', *Academic Emergency Medicine*. Edited by S. B. Bird, p. acem.13826-acem.13826.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Airway Management, Resuscitation & CPR

*** SWASFT context*** von Vopelius-Feldt, J., Powell, J. and Bengler, J. R. (2019) 'Cost-effectiveness of advanced life support and prehospital critical care for out-of-hospital cardiac arrest in England: a decision analysis model', *BMJ Open*, 9(7), pp. e028574–e028574.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Abdulhay, N. M. *et al.* (2019) 'Socioeconomic disparities in layperson CPR training within a large U.S. city.', *Resuscitation*, 141, pp. 13–18.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

An, M., Kim, Y. and Cho, W.-K. (2019) 'Effect of smart devices on the quality of CPR training: A systematic review.', *Resuscitation*, 0(0).

Click [here](#) to access fulltext (free online as of 15/08/2019)

Auricchio, A. *et al.* (2019) 'Real-life time and distance covered by lay first responders alerted by means of smartphone-application: Implications for early initiation of cardiopulmonary resuscitation and access to automatic external defibrillators.', *Resuscitation*, 141, pp. 182–187.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Barcella, C. A. *et al.* (2019) 'Out-of-hospital cardiac arrest in patients with psychiatric disorders - Characteristics and outcomes.', *Resuscitation*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Barnard, E. B. G. *et al.* (2019) 'Resuscitation of patients with active Do Not Attempt Cardiopulmonary Resuscitation (DNACPR) status after out-of-hospital cardiac arrest.', *Resuscitation*, 142, pp. 23–24.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Beed, M. and Penn, M. (2019) 'Does psychological trauma affect resuscitation providers?', *Resuscitation*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Bellut, H. *et al.* (2019) 'Early recurrent arrhythmias after out-of-hospital cardiac arrest associated with obstructive coronary artery disease: Analysis of the PROCAT registry.', *Resuscitation*, 141, pp. 81–87.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Borowicz, A. *et al.* (2013) 'Paramedic versus physician-staffed ambulances and prehospital delays in the management of patients with ST-segment elevation myocardial infarction', *Cardiology Journal*.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Chang, M. P. *et al.* (2019) 'Association of ventilation with outcomes from out-of-hospital cardiac arrest.', *Resuscitation*, 141, pp. 174–181.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Couper, K. *et al.* (2019) 'Prophylactic antibiotic use following cardiac arrest: A systematic review and meta-analysis.', *Resuscitation*, 141, pp. 166–173.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Cross, J. *et al.* (2019) 'Impact of hand dominance on effectiveness of chest compressions in a simulated setting: a randomised, crossover trial', *Australasian Journal of Paramedicine*, 16(0).

Click [here](#) to access fulltext (free online as of 15/08/2019)

Cunningham, C. *et al.* (2019) 'Public access defibrillation: utilisation and missed opportunities', *Australasian Journal of Paramedicine*, 16(0).

Click [here](#) to access fulltext (free online as of 15/08/2019)

Doan, T. N. *et al.* (2019) 'Prehospital ST-segment elevation myocardial infarction (STEMI) in Queensland, Australia: findings from 11 years of the statewide prehospital reperfusion strategy', *Prehospital Emergency Care*, pp. 1–10.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Ebell, M. H. *et al.* (2019) 'Meta-analysis of the accuracy of termination of resuscitation rules for out-of-hospital cardiac arrest', *Emergency Medicine Journal*, 36(8), pp. 479–484.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Fukuda, T. *et al.* (2019) 'Association of bystander cardiopulmonary resuscitation and neurological outcome after out-of-hospital cardiac arrest due to drowning in Japan, 2013-2016.', *Resuscitation*, 141, pp. 111–120.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Gagnon, D. J. and Seder, D. B. (2019) 'Support for antibiotic prophylaxis during targeted temperature management after cardiac arrest: Heating up or cooling down?', *Resuscitation*, 141, pp. 197–199.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Grand, J. *et al.* (2019) 'Cardiac output, heart rate and stroke volume during targeted temperature management after out-of-hospital cardiac arrest: Association with mortality and cause of death.', *Resuscitation*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Gul, S. S. *et al.* (2019) 'Patient, Neighborhood, and Spatial Determinants of Out-of-Hospital Cardiac Arrest Outcomes Throughout the Chain of Survival: A Community-Oriented Multilevel Analysis', *Prehospital Emergency Care*, pp. 1–12.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Jarvis, J. L., Wampler, D. and Wang, H. E. (2019) 'Association of patient age with first pass success in out-of-hospital advanced airway management.', *Resuscitation*, 141, pp. 136–143.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Klingkowski, U. *et al.* (2019) 'Refractory hyperkalaemic cardiac arrest - What to do first: Treat the reversible cause or initiate E-CPR?', *Resuscitation*, 142, pp. 81–81

Click [here](#) to access fulltext (free online as of 15/08/2019)

Lee, S. Y., Song, K. J. and Shin, S. D. (2019) 'Effect of Implementation of Cardiopulmonary Resuscitation-Targeted Multi-Tier Response System on Outcomes After Out-of-Hospital Cardiac Arrest: A Before-and-After Population-Based Study', *Prehospital Emergency Care*, pp. 1–1.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Lemke, D. S. *et al.* (2019) 'Improved Team Performance During Pediatric Resuscitations After Rapid Cycle Deliberate Practice Compared With Traditional Debriefing', *Pediatric Emergency Care*, 35(7), pp. 480–486.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Lim, H. J. *et al.* (2019) 'Effect of estimated glomerular filtration rate (eGFR) on incidence of out-of-hospital cardiac arrests: A case-control study.', *Resuscitation*, 142, pp. 38–45.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Morgan, D. P. *et al.* (2019) 'Human factors influencing out-of-hospital cardiac arrest survival', *Emergency Medicine Australasia*, 31(4), pp. 600–604.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Mosesso, V. N. (2019) 'Ventilation during cardiopulmonary resuscitation-Only mostly dead!', *Resuscitation*, 141, pp. 200–201.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Nishiyama, C. *et al.* (2019) 'Actual resuscitation actions after the training of chest compression-only CPR and AED use among new university students.', *Resuscitation*, 141, pp. 63–68.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Pap, R. and van Loggerenberg, C. (2019) 'A comparison of airway management devices in simulated entrapment-trauma: a prospective manikin study', *International Journal of Emergency Medicine*, 12(1), pp. 15–15.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Park, J. H. *et al.* (2019) 'Location of arrest and effect of prehospital advanced airway management after emergency medical service-witnessed out-of-hospital cardiac arrest: nationwide observational study', *Emergency Medicine Journal*, p. emermed-2018-207871.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Patocka, C. *et al.* (2019) 'A randomized education trial of spaced versus massed instruction to improve acquisition and retention of paediatric resuscitation skills in emergency medical service (EMS) providers.', *Resuscitation*, 141, pp. 73–80.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Pemberton, K., Bosley, E., Franklin, R. C., *et al.* (2019) 'Epidemiology of pre-hospital outcomes of out-of-hospital cardiac arrest in Queensland, Australia', *Emergency Medicine Australasia*, pp. 1742-6723.13354.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Pemberton, K., Bosley, E., C Franklin, R., *et al.* (2019a) 'Pre-hospital outcomes of adult out-of-hospital cardiac arrest of presumed cardiac aetiology in Queensland, Australia (2002–2014): Trends over time', *Emergency Medicine Australasia*, pp. 1742-6723.13353.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Root, C. W. *et al.* (2019) 'Feasibility of a Modified Strategy for 2-Rescuer Cardiopulmonary Resuscitation.', *The Journal of emergency medicine*, 57(1), pp. 51–58.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Sakurai, A. *et al.* (2019) 'Confirmed cardiac output on emergency medical services arrival as confounding by indication: an observational study of prehospital airway management in patients with out-of-hospital cardiac arrest.', *Emergency medicine journal : EMJ*, 36(7), pp. 410–415.

Click [here](#) to access fulltext (free online as of 15/08/2019)

Schriefl, C. *et al.* (2019) 'Time of out-of-hospital cardiac arrest is not associated with outcome in a metropolitan area: A multicenter cohort study.', *Resuscitation*, 142, pp. 61–68.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Seesink, J. *et al.* (2019) 'Circumstances, outcome and quality of cardiopulmonary resuscitation by lifeboat crews.', *Resuscitation*, 142, pp. 104–110.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Smith, C. M. (2019) 'Lay first-responders alerted to out-of-hospital cardiac arrest by smartphone app - Not so novel any longer, and it's time to do more.', *Resuscitation*, 141, pp. 202–203.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

van Nieuwenhuizen, B. P. *et al.* (2019) 'Socio-economic differences in incidence, bystander cardiopulmonary resuscitation and survival from out-of-hospital cardiac arrest: A systematic review.', *Resuscitation*, 141, pp. 44–62.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Topjian, A. A. *et al.* (2019) 'The association of immediate post cardiac arrest diastolic hypertension and survival following pediatric cardiac arrest.', *Resuscitation*, 141, pp. 88–95.
Athens required (register [here](#)). Click [here](#) to access free abstract

New Ebooks and other resources

Ebooks

- [Foundations for paramedic education](#)
- [Mechanical ventilation in emergency medicine](#)
- [Medical statistics at a glance](#)
- [Neonatal, adult and paediatric safe transfer and retrieval: a practical approach to transfers](#)

SWASFT Athens account required (register [here](#))

Visit <http://discoverylibrary.org/swasft>
to see all the information resources available to you including:

- ebooks
- databases
- journals
- point of care tools
- apps

Feedback to

library.mailbox@nhs.net

Discovery Library, Derriford Hospital, Plymouth- lead library for SWASFT