



Prehospital Emergency Services Current Awareness Update Issue 52, October 2017

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

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Prehospital Emergency Services Current Awareness Update – Issue 52, October 2017

With thanks to Matt Holland, North West Ambulance Service 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: (Ctrl & Click on the heading to go straight to that section)

<u>Prehospital Practitioners – Professional Development</u>

<u>Prehospital Research – Methods and Discussion</u>

Diagnosis & Triage

Patient Profile

Helicopter Emergency Medical Services

On-Scene Interventions

Airway Management, Resuscitation & CPR

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Prehospital Practitioners - Roles, Professional Practice and Development

Ablard, S. et al., 2017. Primary care services co-located with Emergency Departments across a UK region: early views on their development. Emergency Medicine Journal, 34(10), pp.672–676.

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Audebert, H. et al., 2017. The PRE-hospital Stroke Treatment Organization. International Journal of Stroke, p.174749301772926.

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Booker, M.J., Purdy, S. & Shaw, A.R.G., 2017. Seeking ambulance treatment for "primary care" problems: a qualitative systematic review of patient, carer and professional perspectives. BMJ Open, 7(8), p.e016832. Click here to access fulltext (free online as of 17/10/2017)

Brown, P., 2017. A day in the life of a paramedic advanced clinical practitioner in primary care, Journal of Paramedic Practice

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Clark, S. et al., 2017. 03 Data linkage across ambulance services and acute trusts: challenges and opportunities. Emergency Medicine Journal, 34(10), p.696.1-696.

Click here to access fulltext (conference abstract) (free online as of 17/10/2017)

Coster, J. et al., 2017. PP12 New indicators for measuring patient survival following ambulance service care. Emergency Medicine Journal, 34(10), p.e4.1-e4.

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Coster, J. et al., 2017. PP25 Using a linked health dataset to identify what happens to patients following prehospital care. Emergency Medicine Journal, 34(10), p.e9.2-e9.

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Coster, J. et al., 2017. OP06 Multi-method development of new ambulance service quality and performance measures. Emergency Medicine Journal, 34(10), p.e2.1-e2.

Click here to access fulltext (conference abstract) (free online as of 17/10/2017)

Crowe, R.P. et al., 2017. Association of Burnout with Workforce-Reducing Factors among EMS Professionals. Prehospital Emergency Care, pp.1–8.

Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Crum, A. et al., 2017. PP16 Creating a linked dataset to explore patient outcomes after leaving ambulance care. Emergency Medicine Journal, 34(10), p.e6.1-e6.

Click here to access fulltext (conference abstract) (free online as of 17/10/2017)

Debenham, S. et al., 2017. Where There is No EMS: Lay Providers in Emergency Medical Services Care - EMS as a Public Health Priority. Prehospital and Disaster Medicine, pp.1–3.

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Dohan, M.S., Green, M. & Tan, J., 2017. The impact of healthcare informatics competencies on dynamic capabilities: A multilevel study of paramedic services. Health Policy and Technology.

Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Duby, R. et al., 2017. Safety Events in High Risk Prehospital Neonatal Calls. Prehospital Emergency Care, pp.1–7.

Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Fischer, S.L., Sinden, K.E. & MacPhee, R.S., 2017. Identifying the critical physical demanding tasks of paramedic work: Towards the development of a physical employment standard. Applied Ergonomics, 65, pp.233–239.

Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Goolsby, C. et al., 2017. Systematic Review of Live Tissue Versus Simulation Education for Prehospital Trauma Providers. Military Medicine, 182(9), pp.e1824–e1833.

Click <u>here</u> to access abstract, email <u>library.mailbox@nhs.net</u> to request fulltext

Hall, A.L., Davies, H.W. & Koehoorn, M., 2017. Personal light-at-night exposures and components of variability in two common shift work industries: uses and implications for future research. Scandinavian Journal of Work, Environment & Health.

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Haspray, J., 2017. Paramedic Clinical Ladder: Development and Implementation at 1 Institution. Air Medical Journal.

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Henriksson, O. et al., 2017. Protection against cold - a survey of available equipment in Swedish pre-hospital services. Acta Anaesthesiologica Scandinavica.

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Hofmann, E. et al., 2017. 38 Does EMS Transport of Septic Patients Improve Downstream Processes of Care? Annals of Emergency Medicine, 70(4), p.S16.

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Killeen, J.P. et al., 2017. 3 Out-of-Hospital to Emergency Department Data Exchange: A SAFR Transition of Care. Annals of Emergency Medicine, 70(4), p.S2.

Click here to access fulltext (conference abstract) (free online as of 17/10/2017)

Lam, S.S.W. et al., 2017. Simulation-based decision support framework for dynamic ambulance redeployment in Singapore. International Journal of Medical Informatics, 106, pp.37–47.

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Lynch, M.J., Suyama, J. & Guyette, F.X., 2017. Scene Safety and Force Protection in the Era of Ultra-Potent Opioids. Prehospital Emergency Care, pp.1–6.

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Madah-Amiri, D., Myrmel, L. & Brattebø, G., 2017. Intoxication with GHB/GBL: characteristics and trends from ambulance-attended overdoses. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 25(1), p.98.

Click <u>here</u> to access fulltext (free online as of 17/10/2017)

Maguire, B.J. & O'Neill, B.J., 2017. Emergency Medical Service Personnel's Risk From Violence While Serving the Community. American Journal of Public Health, 107(11), pp.1770–1775.

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Myers, J.A. et al., 2017. The impact of fatigue on the non-technical skills performance of critical care air ambulance clinicians. Acta Anaesthesiologica Scandinavica, 61(10), pp.1305–1313.

Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Niziolek, K.C., Preston, T.J. & Osborn, E.C., 2017. Transport While on Extracorporeal Membrane Oxygenation Support. Critical Care Clinics, 33(4), pp.883–896.

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Porter, A. et al., 2017. PP22 Alternative care pathways for patients with low risk tia attended by emergency ambulance: a national survey. Emergency Medicine Journal, 34(10), p.e8.1-e8.

Click here to access fulltext (conference abstract) (free online as of 17/10/2017)

Rantala, A., Forsberg, A. & Ekwall, A., 2017. Person-centred climate and psychometrical exploration of person-centredness and among patients not conveyed by the Ambulance Care Service. Scandinavian Journal of Caring Sciences.

Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Ross, L. & Kabidi, S., 2017. Embedding Volunteer Activity into Paramedic Education. Journal of Allied Health, 46(3), pp.192–196.

Click <u>here</u> to access fulltext- SWASFT Athens required (register <u>here</u>). Click <u>here</u> to access free abstract

Sampson, M. et al., 2017. A new integrated care pathway for ambulance attended severe hypoglycaemia in the East of England: The Eastern Academic Health Science Network (EAHSN) model. Diabetes Research and Clinical Practice, 133, pp.50–59.

Click <u>here</u> to access fulltext- SWASFT Athens required (register <u>here</u>). Click <u>here</u> to access free abstract

Siriwardena, A.N. et al., 2017. PP17 Reliability and validity of an ambulance patient reported experience measure (a-prem): pilot study. Emergency Medicine Journal, 34(10), p.e6.2-e6.

Click here to access fulltext (conference abstract) (free online as of 17/10/2017)

Terashima, M. & Carter, A.J.E., 2017. Correlation of age and rurality with low-urgency use of emergency medical services (LUEMS): A geographic analysis. CJEM, pp.1–8.

Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Tien, H. et al., 2017. Can a single primary care paramedic configuration safely transport low-acuity patients in air ambulances? CJEM, pp.1–9.

Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Todkill, D. et al., 2017. Utility of Ambulance Data for Real-Time Syndromic Surveillance: A Pilot in the West Midlands Region, United Kingdom. Prehospital and Disaster Medicine, pp.1–6.

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Prehospital Research – Methods and Discussion

Ahmad, F.A. et al., 2017. Methods for Collecting Paired Observations From Emergency Medical Services and Emergency Department Providers for Pediatric Cervical Spine Injury Risk Factors M. L. Macy, ed. Academic Emergency Medicine, 24(4), pp.432–441.

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Armstrong, S. et al., 2017. Assessment of consent models as an ethical consideration in the conduct of prehospital ambulance randomised controlled clinical trials: a systematic review. BMC Medical Research Methodology, 17(1), p.142.

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Armstrong, S. et al., 2017. PP15 Consent as an ethical consideration in the conduct of prehospital ambulance randomised controlled clinical trials: a systematic review. Emergency Medicine Journal, 34(10), p.e5.2-e5.

Click here to access fulltext (conference abstract) (free online as of 17/10/2017)

Blodgett, J. et al., 2017. 04 Paramedic perspectives towards GP referral schemes in North West England: a qualitative-observational study. Emergency Medicine Journal, 34(10), p.696.2-696.

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Dixon, M. et al., 2017. PP18 Interim analysis of ambulance logistics and timings in patients recruited into the rapid intervention with glyceryl trinitrate in hypertensive stroke trial-2 (right-2). Emergency Medicine Journal, 34(10), p.e6.3-e7.

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Hassard, J. et al., 2017. Exploring health work: a critical-action perspective. Journal of Health Organization and Management, 31(5), pp.567–580.

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Knowles, E. et al., 2017. OP07 Might ambulance service organisational culture affect ambulance non conveyance rates? Emergency Medicine Journal, 34(10), p.e2.2-e2.

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Kudenchuk, P.J. et al., 2017. Antiarrhythmic Drugs for Non-Shockable-Turned-Shockable Out-of-Hospital Cardiac Arrest: The Amiodarone, Lidocaine or Placebo Study (ALPS). Circulation, p.CIRCULATIONAHA.117.028624.

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McLay, S.V. et al., 2017. Patient perspectives on priorities for emergency medicine research: The PERSPEX study. Emergency Medicine Australasia.

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Peake, S.L. et al., 2017. Potential Impact of the 2016 Consensus Definitions of Sepsis and Septic Shock on Future Sepsis Research. Annals of Emergency Medicine, 70(4), p.553–561.e1.

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Waldrop, D.P., McGinley, J.M. & Clemency, B., 2017. The Nexus between the Documentation of End-of-life Wishes and Awareness of Dying: A Model for Research, Education and Care. Journal of Pain and Symptom Management.

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Diagnosis and Triage

SWASFT Author Sharp, A., 2017. PP21 Can paramedics correctly recognise cardiac arrhythmias and does recency of training have an impact? Emergency Medicine Journal, 34(10), p.e7.3-e8. Click here to access fulltext (conference abstract) (free online as of 17/10/2017)

Ahn, K.O. et al., 2017. Validation of the criteria for early critical care resource use in assessing the effectiveness of field triage. The American Journal of Emergency Medicine.

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Bishop-Edwards, L. et al., 2017. PP28 Exploring "hear and treat" practices in three ambulance service trusts. Emergency Medicine Journal, 34(10), p.e10.2-e10.

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Broughton, W., 2017. PP11 Do paediatric early warning score relate to emergency department outcomes for children aged 0–2 years brought in by ambulance? Emergency Medicine Journal, 34(10), p.e3.2-e4. Click here to access fulltext (conference abstract) (free online as of 17/10/2017)

Brown, J., Sajankila, N. & Claridge, J.A., 2017. Prehospital Assessment of Trauma. Surgical Clinics of North America, 97(5), pp.961–983.

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Browne, L.R. et al., 2017. Inter-Observer Agreement in Pediatric Cervical Spine Injury Assessment between Prehospital and Emergency Department Providers. Academic Emergency Medicine.

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Camilleri, R., 2017. Development of a Prediction Model for Diagnosis of Acute Poisoning in Patients with Altered Mental Status and Absent History of Alcohol/Drug Ingestion. The Journal of Emergency Medicine Click here to access fulltext- SWASFT Athens required (register here). Click here to access free abstract

Hov, M.R. et al., 2017. Interpretation of Brain CT Scans in the Field by Critical Care Physicians in a Mobile Stroke Unit. Journal of Neuroimaging.

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Jouffroy, R. et al., 2017. Triage of Septic Patients Using qSOFA Criteria at the SAMU Regulation: A Retrospective Analysis. Prehospital Emergency Care, pp.1–7.

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Moser, N. et al., 2017. Validity and reliability of clinical prediction rules used to screen for cervical spine injury in alert low-risk patients with blunt trauma to the neck: part 2. A systematic review from the Cervical Assessment and Diagnosis Research Evaluation (CADRE) Col. European Spine Journal, pp.1–15.

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Muralitharan, T. et al., 2017. 28 A Simple Algorithm Reduced Mortality in Near-Hanging Patients. Annals of Emergency Medicine, 70(4), p.S12.

Click here to access fulltext (conference abstract)(free online as of 17/10/2017)

Purrucker, J.C. et al., 2017. Design and validation of a clinical scale for prehospital stroke recognition, severity grading and prediction of large vessel occlusion: the shortened NIH Stroke Scale for emergency medical services. BMJ Open, 7(9), p.e016893.

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Rawshani, N. et al., 2017. Association between use of pre-hospital ECG and 30-day mortality: A large cohort study of patients experiencing chest pain. International Journal of Cardiology, 248, pp.77–81.

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Sato, K. et al., 2017. The Prehospital Predictors of Tracheal Intubation for in Patients who Experience Convulsive Seizures in the Emergency Department. Internal Medicine, 56(16), pp.2113–2118. Click here to access fulltext (free online as of 17/10/2017)

Shenoi, R.P. et al., 2017. The Pediatric Submersion Score Predicts Children at Low Risk for Injury Following Submersions M. L. Macy, ed. Academic Emergency Medicine.

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Sikka, S. et al., 2017. Inconsistencies with Screening for Traumatic Brain Injury in Spinal Cord Injury across the Continuum of Care. The Journal of Spinal Cord Medicine, pp.1–10.

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Skjøt-Arkil, H. et al., 2017. Do prehospital providers and emergency nurses agree on triage assignment? European Journal of Emergency Medicine, p.1.

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Spaite, D.W. et al., 2017. Association of Out-of-Hospital Hypotension Depth and Duration With Traumatic Brain Injury Mortality. Annals of Emergency Medicine, 70(4), p.522–530.e1.

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Speirs, J.N., Lyons, M.I. & Johansson, B.E., 2017. Emergency Medical Service Personnel Recognize Pediatric Concussions. Global Pediatric Health, 4, p.2333794X1771918.

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Stallman, H.M., 2017. Meeting the needs of patients who have suicidal thoughts presenting to emergency departments. Emergency Medicine Australasia.

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Wilson, C., Harley, C. & Steels, S., 2017. PP09 Pre-hospital diagnostic accuracy for hyperventilation syndrome. Emergency Medicine Journal, 34(10), p.e3.3-e3.

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Patient Profile

Children

Mellion, S.A. & Adelgais, K., 2017. Prehospital Pediatric Pain Management: Continued Barriers to Care. Clinical Pediatric Emergency Medicine.

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Older People

Duong, H. V. et al., 2017. National Characteristics of Emergency Medical Services Responses for Older Adults in the United States. Prehospital Emergency Care, pp.1–8.

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Evans, C.S. et al., 2017. Repeated Emergency Medical Services Use by Older Adults: Analysis of a Comprehensive Statewide Database. Annals of Emergency Medicine, 70(4), p.506–515.e3.

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Huntley, A.L. et al., 2017. A systematic review to identify and assess the effectiveness of alternatives for people over the age of 65 who are at risk of potentially avoidable hospital admission. BMJ Open, 7(7), p.e016236.

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Nouriel, J.E. et al., 2017. Blood pressure variability as an indicator of sepsis severity in adult emergency department patients. The American Journal of Emergency Medicine.

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Ross, L., Jennings, P. & Williams, B., 2017. Psychosocial Support Issues Affecting Older Patients: A Cross-sectional Paramedic Perspective. INQUIRY: The Journal of Health Care Organization, Provision, and Financing, 54, p.4695801773196.

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Sampson, E.L. et al., 2017. Living and dying with advanced dementia: A prospective cohort study of symptoms, service use and care at the end of life. Palliative Medicine, 1, p.26921631772644.

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Shankar, K.N., 2017. Trends and Characteristics of Emergency Department Visits for Fall-Related Injuries in Older Adults , 2003-2010. Western Journal of Emergency Medicine, 18(August), pp.2003–2010.

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Helicopter Emergency Medical Services

Lawson, K. & Godfrey, P., 2017. TXA for HEMS patients with suspected haemorrhage, Journal of Paramedic Practice .

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Maher, P. et al., 2017. Logistical Concerns for Prehospital Blood Product Use by Air Medical Services. Air Medical Journal, 36(5), pp.263–267.

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Østerås, Ø. et al., 2017. Factors influencing on-scene time in a rural Norwegian helicopter emergency medical service: a retrospective observational study. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 25(1), p.97.

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Pakkanen, T. et al., 2017. Physician-staffed helicopter emergency medical service has a beneficial impact on the incidence of prehospital hypoxia and secured airways on patients with severe traumatic brain injury. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 25(1), p.94.

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Pasquier, M. et al., 2017. Indications and Outcomes of Helicopter Rescue Missions in Alpine Mountain Huts: A Retrospective Study. High Altitude Medicine & Biology, p.ham.2017.0051.

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Zhu, T.H. et al., 2017. Improved Survival for Rural Trauma Patients Transported by Helicopter to a Verified Trauma Center: A Propensity Score Analysis. Academic Emergency Medicine.

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On-Scene Interventions

Appleton, J.P. et al., 2017. Ambulance-delivered transdermal glyceryl trinitrate versus sham for ultra-acute stroke: Rationale, design and protocol for the Rapid Intervention with Glyceryl trinitrate in Hypertensive stroke Trial-2 (RIGHT-2) trial (ISRCTN26986053). International Journal of Stroke, p.174749301772462.

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Asghar, Z. et al., 2017. PP29 Exploring factors increasing paramedics' likelihood of administering analgesia in pre-hospital pain: cross sectional study (explain). Emergency Medicine Journal, 34(10), pp.e11–e12. Click here to access fulltext (conference abstract) (free online as of 17/10/2017)

Becker, T.K. et al., 2017. Feasibility of Paramedic Performed Prehospital Lung Ultrasound in Medical Patients with Respiratory Distress. Prehospital Emergency Care, pp.1–5.

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Bosson, N. et al., 2017. 36 The Safety and Efficacy of Nitroglycerin Use by Paramedics for Treatment of ST Elevation Myocardial Infarction. Annals of Emergency Medicine, 70(4), p.S15.

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Brooker, M. et al., 2017. 05 Exploring why "primary care" problems end up receiving ambulance treatment: early findings from a pre-hospital ethnographic study. Emergency Medicine Journal, 34(10), pp.697–697. Click here to access fulltext (conference abstract) (free online as of 17/10/2017)

Bulger, J. et al., 2017. PP30 Rapid analgesia for prehospital hip disruption (rapid: feasibility study progress). Emergency Medicine Journal, 34(10), pp.e12–e12.

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Chippendale, J. et al., 2017. 02 A pilot study to assess the feasibility of paramedics delivering antibiotic treatment to "red flag" sepsis patients. Emergency Medicine Journal, 34(10), p.695.2-695. Click here to access fulltext (conference abstract) (free online as of 17/10/2017)

Cone, D.C. et al., 2017. Observational Multicenter Study of a Direct-to-CT Protocol for EMS-transported Patients with Suspected Stroke. Prehospital Emergency Care, pp.1–6.

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Duncan, E.A., Fitzpatrick, D. & Evans, J., 2017. PP19 A study of the prevalence of impaired awareness of hypoglycaemia in people who have had a severe hypoglycaemic emergency and been attended by the ambulance service. Emergency Medicine Journal, 34(10), p.e7.1-e7.

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Durão, C. et al., 2017. The importance of pelvic ring stabilization as a life-saving measure in pre-hospital – A case report commented by autopsy. Journal of Clinical Orthopaedics and Trauma, 8(Suppl 1), pp.S17–S20 Click here to access fulltext- SWASFT Athens required (register here). Click here to access free abstract

Eadie, L. et al., 2017. Remotely supported prehospital ultrasound: A feasibility study of real-time image transmission and expert guidance to aid diagnosis in remote and rural communities. Journal of Telemedicine and Telecare, p.1357633X1773144.

Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Fouche, P.F. et al., 2017. Non-physician Out-of-Hospital Rapid Sequence Intubation Success and Adverse Events: A Systematic Review and Meta-Analysis. Annals of Emergency Medicine, 70(4), p.449–459.e20. Click here to access fulltext (free online as of 17/10/2017)

Garner, A.A. et al., 2017. Hemodynamic Deterioration in Lateral Compression Pelvic Fracture After Prehospital Pelvic Circumferential Compression Device Application. Air Medical Journal, 36(5), pp.272–274.

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Goldberg, S.A. et al., 2017. 39 Feasibility of Bystander Administration of Public Access Naloxone for Opioid Overdose. Annals of Emergency Medicine, 70(4), p.S16.

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Hansen, G. et al., 2017. Prehospital management of acute stroke in rural versus urban responders. Journal of Neurosciences in Rural Practice, 8(5), p.33.

Click here to access fulltext (free online as of 17/10/2017)

Hewes, H.A. et al., 2017. Prehospital Pain Management: Disparity By Age and Race. Prehospital Emergency Care, pp.1–9.

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Igarashi, Y. et al., 2017. Prehospital removal improves neurological outcomes in elderly patient with foreign body airway obstruction. The American Journal of Emergency Medicine, 35(10), pp.1396–1399.

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Ishihara, H. et al., 2017. Safety and Time Course of Drip-and-Ship in Treatment of Acute Ischemic Stroke. Journal of Stroke and Cerebrovascular Diseases, 26(11), pp.2477–2481.

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Kaminska, H. et al., 2017. Comparison of four laryngoscopes in cervical immobilization scenario. Pilot data. The American Journal of Emergency Medicine.

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Levri, J.M. et al., 2017. Use of Acetylsalicylic Acid in the Prehospital Setting for Suspected Acute Ischemic Stroke. Journal of special operations medicine: a peer reviewed journal for SOF medical professionals, 17(3), pp.21–23.

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McClelland, G. et al., 2017. PP14 Development of a prehospital assessment to identify stroke mimic conditions. Emergency Medicine Journal, 34(10), p.e5.1-e5.

Click here to access fulltext (conference abstract) (free online as of 17/10/2017)

Nackenson, J., Baez, A.A. & Meizoso, J.P., 2017. A Descriptive Analysis of Traction Splint Utilization and IV Analgesia by Emergency Medical Services. Prehospital and Disaster Medicine, pp.1–5.

Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Naumann, D.N. et al., 2017. Endotheliopathy of Trauma is an On-Scene Phenomenon, and is Associated with Multiple Organ Dysfunction Syndrome. SHOCK, p.1.

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Paranjape, A., 2017. Reduction of a finger in the out-of-hospital arena?, Journal of Paramedic Practice. Click <u>here</u> to access fulltext- SWASFT Athens required (register <u>here</u>). Click <u>here</u> to access free abstract

Parthvi, R. et al., 2017. Acute Opiate Overdose. American Journal of Therapeutics, p.1. Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Prothero, L.S., de Carteret, E. & Nicholls, T., 2017. PP26 Missed opportunities in ambulance sepsis care? Emergency Medicine Journal, 34(10), p.e9.3-e10.

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Reynolds, S.L. et al., 2017. Randomized Controlled Feasibility Trial of Intranasal Ketamine Compared to Intranasal Fentanyl for Analgesia in Children with Suspected Extremity Fractures. Academic Emergency Medicine.

Click <u>here</u> to access abstract, email <u>library.mailbox@nhs.net</u> to request fulltext

Schauer, S.G. et al., 2017. Prehospital Cricothyrotomy Kits Used in Combat. Journal of special operations medicine: a peer reviewed journal for SOF medical professionals, 17(3), pp.18–20. Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Schauer, S.G. et al., 2017. Chest Seal Placement for Penetrating Chest Wounds by Prehospital Ground Forces in Afghanistan. Journal of special operations medicine: a peer reviewed journal for SOF medical professionals, 17(3), pp.85–89.

Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Schauer, S.G. et al., 2017. Prehospital Administration of Tranexamic Acid by Ground Forces in Afghanistan: The Prehospital Trauma Registry Experience. Journal of special operations medicine: a peer reviewed journal for SOF medical professionals, 17(3), pp.55–58.

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Seno, S. et al., 2017. The Relationship between Functional Outcome and Prehospital Time Interval in Patients with Cerebral Infarction. Journal of Stroke and Cerebrovascular Diseases.

Click here to access fulltext (free online as of 17/10/2017)

Shlaifer, A. et al., 2017. Prehospital administration of freeze-dried plasma, is it the solution for trauma casualties? Journal of Trauma and Acute Care Surgery, 83(4), pp.675–682.

Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Sibson, L., 2017. Mental health in emergency care, Journal of Paramedic Practice.

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Smith, S.A. et al., 2017. The future of resuscitative endovascular balloon occlusion in combat operations. Journal of the Royal Army Medical Corps, 163(5), pp.296–300.

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Villani, M. et al., 2017. Utilisation of prehospital emergency medical services for hyperglycaemia: A community-based observational study F. Zaccardi, ed. PLOS ONE, 12(8), p.e0182413.

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Whitley, G. & Bath-Hextall, F., 2017. PP08 Does current pre-hospital analgesia effectively reduce paediatric pain within a uk ambulance service: a service evaluation. Emergency Medicine Journal, 34(10), p.e2.3-e3.

Click here to access fulltext (conference abstract) (free online as of 17/10/2017)

Wu, M.-C. et al., 2017. Administration of Hypertonic Solutions for Hemorrhagic Shock. Anesthesia & Analgesia, p.1.

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Young, K.D., 2017. Assessment of Acute Pain in Children. Clinical Pediatric Emergency Medicine. Click <u>here</u> to access fulltext- SWASFT Athens required (register <u>here</u>). Click <u>here</u> to access free abstract

Airway Management, Resuscitation & CPR

Anon, 2017. Team-based resuscitation for out-of-hospital cardiac arrest. The American Journal of Emergency Medicine.

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Agerskov, M. et al., 2017. Return of spontaneous circulation and long-term survival according to feedback provided by automated external defibrillators. Acta Anaesthesiologica Scandinavica, 61(10), pp.1345–1353. Click here to access fulltext (free online as of 17/10/2017)

Anderson, N.E., Gott, M. & Slark, J., 2017. Grey areas: New Zealand ambulance personnel's experiences of challenging resuscitation decision-making. International Emergency Nursing. Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Baumberg, I. et al., 2017. The timing of chest compressions and artificial ventilation: A re-appraisal. American Journal of Emergency Medicine, 35(10), pp.1569–1571.

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Ben Beck et al., 2017. Predicting outcomes in traumatic out-of-hospital cardiac arrest: the relevance of Utstein factors. Emergency medicine journal, p.emermed-2016-206330.

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Boland, L.L. et al., 2017. Minnesota Heart Safe Communities: Are community-based initiatives increasing preambulance CPR and AED use? Resuscitation, 119, pp.33–36.

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Costello, J.T., Allen, P.B. & Levesque, R., 2017. A Comparison of Ventilation Rates Between a Standard Bag-Valve-Mask and a New Design in a Prehospital Setting During Training Simulations. Journal of special operations medicine: a peer reviewed journal for SOF medical professionals, 17(3), pp.59–63. Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Cournoyer, A. et al., 2017. Potential impact of a prehospital redirection system for refractory cardiac arrest. Resuscitation, 119, pp.37–42.

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Dickson, R. et al., 2017. 7 Validation and Integration of a Stroke Algorithm (VISA Study): Out-of-Hospital Identification of Large Vessel Occlusion Stroke in a Suburban/Rural EMS Service. Annals of Emergency Medicine, 70(4), pp.S3–S4.

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Fabris, E. et al., 2017. Clinical impact and predictors of complete ST segment resolution after primary percutaneous coronary intervention: A subanalysis of the ATLANTIC Trial. European Heart Journal: Acute Cardiovascular Care, p.204887261772772.

Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Goury, A. et al., 2017. Targeted Temperature Management Using The "Esophageal Cooling Device" After Cardiac Arrest (The COOL Study): A feasibility and safety study. Resuscitation, 0(0).

Click here to access fulltext (free online as of 17/10/2017)

Grunau, B. et al., 2017. A comprehensive regional clinical and educational ECPR protocol decreases time to ECMO in patients with refractory out-of-hospital cardiac arrest. CJEM, pp.1–10.

Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Grunau, B. et al., 2017. Gains of Continuing Resuscitation in Refractory Out-of-hospital Cardiac Arrest: A Model-based Analysis to Identify Deaths Due to Intra-arrest Prognostication. Prehospital Emergency Care, pp.1–10.

Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Gyllenborg, T. et al., 2017. Quality of bystander cardiopulmonary resuscitation during real-life out-of-hospital cardiac arrest. Resuscitation, 120, pp.63–70.

Click here to access fulltext (free online as of 17/10/2017)

Hernandez, M.C. et al., 2017. Definitive airway management after pre-hospital supraglottic airway insertion: Outcomes and a management algorithm for trauma patients. The American Journal of Emergency Medicine. Click here to access fulltext- SWASFT Athens required (register here). Click here to access free abstract

Kim, S., Ahn, K.O. & Jeong, S., 2017. The effect of team-based cardiopulmonary resuscitation on outcomes in out of hospital cardiac arrest patients: A meta-analysis. The American Journal of Emergency Medicine. Click here to access fulltext- SWASFT Athens required (register here). Click here to access free abstract

Kim, T.H. et al., 2017. Neurological Favorable Outcomes Associated with EMS Compliance and On-Scene Resuscitation Time Protocol. Prehospital Emergency Care, 3127(October), pp.1–8. Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Kim, Y.T. et al., 2017. Effect of national implementation of utstein recommendation from the global resuscitation alliance on ten steps to improve outcomes from Out-of-Hospital cardiac arrest: a ten-year observational study in Korea. BMJ Open, 7(8), p.e016925.

Click here to access fulltext (free online as of 17/10/2017)

Luo, S. et al., 2017. Prognostic significance of spontaneous shockable rhythm conversion in adult out-of-hospital cardiac arrest patients with initial non-shockable heart rhythms: A systematic review and meta-analysis. Resuscitation, 121, pp.1–8.

Click here to access fulltext (free online as of 17/10/2017)

Lyng, J. et al., 2017. 37 Supraglottic Airway Use vs Endotracheal Intubation Pre/Post Deployment of the i-gel Supraglottic Airway Device in a Large Ground and Air-based Emergency Medical Services Agency. Annals of Emergency Medicine, 70(4), p.S15.

Click here to access fulltext (Conference abstract (free online as of 17/10/2017)

Masterson, S. et al., 2017. The Effect of Rurality on Out-of-Hospital Cardiac Arrest Resuscitation Incidence: An Exploratory Study of a National Registry Utilizing a Categorical Approach. The Journal of Rural Health. Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Park, M.J. et al., 2017. Pre-hospital Supraglottic Airway was Associated with Good Neurological Outcome in Cardiac Arrest Victims Especially Who Received Prolonged Cardiopulmonary Resuscitation. Academic Emergency Medicine.

Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Sato, R. et al., 2017. Impact of rapid response car system on extracorporeal life support in out-of-hospital cardiac arrest: A retrospective cohort study. American Journal of Emergency Medicine.

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Savastano, S. et al., 2017. End-tidal carbon dioxide and defibrillation success in out-of-hospital cardiac arrest. Resuscitation, 0(0).

Click <u>here</u> to access fulltext (free online as of 17/10/2017)

Semeraro, F. et al., 2017. Virtual Reality for CPR training: How cool is that? Dedicated to the next generation. Resuscitation, 0(0).

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Setälä, P. et al., 2017. Assessment of futility in out-of-hospital cardiac arrest.

Acta Anaesthesiologica Scandinavica, 61(10), pp.1334-1344.

Click here to access abstract, email library.mailbox@nhs.net to request fulltext

Silka, M.J. et al., 2017. Pediatric survivors of out-of-hospital ventricular fibrillation: Etiologies and outcomes. Heart Rhythm.

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Smereka, J. et al., 2017. A randomized comparison of three chest compression techniques and associated hemodynamic effect during infant CPR: A randomized manikin study. The American Journal of Emergency Medicine, 35(10), pp.1420–1425.

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Smith, C.M. et al., 2017. PP13 New signs to encourage the use of automated external defibrillators by the lay public. Emergency Medicine Journal, 34(10), p.e4.2-e4.

Click <u>here</u> to access fulltext (conference abstract) (free online as of 17/10/2017)

Tanner, R. et al., 2017. Out-of-hospital cardiac arrests in the older population in Ireland. Emergency medicine journal: EMJ, 34(10), pp.659–664.

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Tsai, C.-L. et al., 2017. 13 Metabolomic Profiling for Outcome Prediction in Emergency Department Patients With Out-of-Hospital Cardiac Arrest. Annals of Emergency Medicine, 70(4), p.S6. Click here to access fulltext (conference abstract) (free online as of 17/10/2017)

van Diepen, S. et al., 2017. Multistate 5-Year Initiative to Improve Care for Out-of-Hospital Cardiac Arrest: Primary Results From the HeartRescue Project. Journal of the American Heart Association, 6(9), p.e005716. Click here to access fulltext (free online as of 17/10/2017)

Venetsanos, D. et al., 2017. Association between gender and short-term outcome in patients with ST elevation myocardial infraction participating in the international, prospective, randomised Administration of Ticagrelor in the catheterisation Laboratory or in the Ambulance for New ST. BMJ Open, 7(9), p.e015241.

Click here to access fulltext (free online as of 17/10/2017)

Wang, J.-C. et al., 2017. Kinect-based real-time audiovisual feedback device improves cardiopulmonary resuscitation quality of lower-body-weight rescuers. The American Journal of Emergency Medicine. Click here to access fulltext- SWASFT Athens required (register here). Click here to access free abstract

Williams, D. & Clarke, R., 2017. PP10 Does the use of a post-rosc checklist improve paramedic adherence to local clinical guidance? a mannequin-based pilot randomised controlled study. Emergency Medicine Journal, 34(10), p.e3.1-e3.

Click here to access fulltext (conference abstract) (free online as of 17/10/2017)

Yannopoulos, D. et al., 2017. Coronary Artery Disease in Patients With Out-of-Hospital Refractory Ventricular Fibrillation Cardiac Arrest. Journal of the American College of Cardiology, 70(9), pp.1109–1117. Click here to access fulltext- SWASFT Athens required (register here). Click here to access free abstract

Yeung, J. et al., 2017. The school Lifesavers study—A randomised controlled trial comparing the impact of Lifesaver only, face-to-face training only, and Lifesaver with face-to-face training on CPR knowledge, skills and attitudes in UK school children. Resuscitation, 0(0).

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