



Prehospital Emergency Services Current Awareness Update Issue 45, Mar 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 45, Mar 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

** SWASFT authors** Lynde, J. et al., 2017. The new Red 1 ambulance response time definition: evaluating clinical impact. *Journal of Paramedic Practice*, 9(2), pp.67–70.

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** SWASFT author** Gaisford, M., 2017. Informed consent in paramedic practice. *Journal of Paramedic Practice*, 9(2), pp.80–85.

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Boyle, M., 2017. Do we need extended care paramedics? *Journal of Emergency Primary Health Care*, 14(1).

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Boyle, M. & McKenna, L., 2017. Paramedic student exposure to workplace violence during clinical placements – A cross-sectional study. *Nurse Education in Practice*, 22, pp.93–97.

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Calderone, C. et al., 2017. Community Paramedicine Initiative: Transforming Paramedicine in British Columbia. *Studies in health technology and informatics*, 234, pp.54–58.

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Clarkson, G. & Gangell, H., 2017. Community ambulance response trolleys: Preparing students for the paramedic workplace Georgia. *Journal of Emergency Primary Health Care*, 14(1). Click here to access fulltext (free online as of 13/03/2017)

Crezee, I. & Grant, L., 2016. Thrown in the deep end: Challenges of interpreting informal paramedic language. *Translation and Interpreting*, 8(2), pp.1–12.

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Dejean, D. et al., 2016. Inappropriate ambulance use: A qualitative study of paramedics' views. *Healthcare Policy*, 11(3), pp.67–79.

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Gangaram, P., Menacho, A.M. & Alinier, G., 2017. Crisis resource management in relation to empowering people to speak up in emergency medical service clinical practice settings. *Journal of Paramedic Practice*, 9(2), pp.60–65.

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Kim, J.-T. et al., 2017. Field Validation of the Los Angeles Motor Scale as a Tool for Paramedic Assessment of Stroke Severity. *Stroke*, 48(2), pp.298–306.

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Kirk, A. et al., 2017. Paramedics and their role in end-of-life care: perceptions and confidence. *Journal of Paramedic Practice*, 9(2), pp.71–79.

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Lilley, R. et al., 2017. Preventable injury deaths: identifying opportunities to improve timeliness and reach of emergency healthcare services in New Zealand. *Injury Prevention*, p.injuryprev-2016-042304.

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Lim, D. & Hou, Xiang-Yu, & Tippett, V., 2016. Teaching epidemiology to undergraduate paramedics. *Australasian Epidemiologist*, 23(1).

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Way, D.P. et al., 2017. Airway Management Proficiency Checklist for Assessing Paramedic Performance. *Prehospital Emergency Care*, pp.1–8.

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Prehospital Research – Methods and Discussion

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Diagnosis and Triage

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Patient Profile

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Helicopter Emergency Medical Services

Andruszkow, H. et al., 2016. Impact of Helicopter Emergency Medical Service in Traumatized Patients: Which Patient Benefits Most? R. E. Burney, ed. *PLOS ONE*, 11(1), p.e0146897. Click here to access fulltext (free online as of 13/03/2017)

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Lyon, R.M. et al., 2017. Pre-hospital transfusion of packed red blood cells in 147 patients from a UK helicopter emergency medical service. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 25(1), p.12.

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On-Scene Interventions

Barr, S., Smith, G. & Darroch, S., 2017. Use of supraglottic airway devices by paramedics in the management of adult pre-hospital cardiac arrest patients: A literature review. *Journal of Emergency Primary Health Care*, 14(1), p.1.

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Ericsson, A., Frenckner, B. & Broman, L.M., 2017. Adverse Events during Inter-Hospital Transports on Extracorporeal Membrane Oxygenation. *Prehospital Emergency Care*, pp.1–8. Click here to access abstract, email library.mailbox@nhs.net to request fulltext

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Airway Management, Resuscitation & CPR

Cheskes, S. et al., 2017. CPR quality during out-of-hospital cardiac arrest transport. *Resuscitation*. Click <u>here</u> to access fulltext- SWASFT Athens required (register <u>here</u>). Click <u>here</u> to access free abstract

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Funada, A. et al., 2017. Age-Specific Differences in the Duration of Prehospital Cardiopulmonary Resuscitation Administered by Emergency Medical Service Providers Necessary to Achieve Favorable Neurological Outcome After Out-of-Hospital Cardiac Arrest. *Circulation Journal*.

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Geri, G. et al., 2017. Predictors of long-term functional outcome and health-related quality of life after out-of-hospital cardiac arrest. *Resuscitation*.

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Kelly, R. et al., 2017. Improving bystander CPR-Isn't it time we took poor technique off our screens? *Resuscitation*, 85(0), pp.1106–1110.

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Kim, T. et al., 2017. The effect of resuscitation position on cerebral and coronary perfusion pressure during mechanical cardiopulmonary resuscitation in porcine cardiac arrest model. *Resuscitation*, 113, pp.101–107.

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Olaussen, A. et al., 2017. Consciousness induced during cardiopulmonary resuscitation: An observational study. *Resuscitation*, 113, pp.44–50.

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Park, G.J. et al., 2017. Timely bystander CPR improves outcomes despite longer EMS times. *The American Journal of Emergency Medicine*.

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Reed, M.J. et al., 2016. Introduction of paramedic led Echo in Life Support into the pre-hospital environment: The PUCA study. *Resuscitation*, 112, pp.65–69.

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