



Prehospital Emergency Services Current Awareness Update Issue 47, May 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 47, May 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>

Prehospital Research – Methods and Discussion

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

Bare, C., Bare, C. & Grundmann, O., 2017. Evaluating the Affective and Cognitive Capabilities of Paramedics in the United States in Assessing and Managing Toxic Alcohol Exposures. *Australasian Journal of Paramedicine*, 14(2).

Click <u>here</u> to access fulltext (free online as of 11/05/2017)

Barr, N. et al., 2017. Self-reported behaviors and perceptions of Australian paramedics in relation to hand hygiene and gloving practices in paramedic-led health care. *American Journal of Infection Control*.

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

Bradley, N.L. et al., 2017. Data capture and communication during transfers to definitive care in an inclusive trauma system. *Injury*, 48(5), pp.1069–1073. 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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Click <u>here</u> to access fulltext- SWASFT Athens required (register <u>here</u>). Click <u>here</u> to access free abstract

Crowe, R.P. et al., 2017. Defining Components of Team Leadership and Membership in Prehospital Emergency Medical Services. *Prehospital Emergency Care*, pp.1–7. Click here to access abstract, email library.mailbox@nhs.net to request fulltext

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Gawlowski, P. et al., 2017. Comparison of the ETView Single Lumen and Macintosh laryngoscopes for endotracheal intubation in an airway manikin with immobilized cervical spine by novice paramedics. *Medicine*, 96(16), p.e5873.

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Preston, C. et al., 2017. Creating authentic video scenarios for use in prehospital research. International Emergency Nursing.

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Yamamoto, T., 2017. Cultural Psychology of Differences and EMS; a New Theoretical Framework for Understanding and Reconstructing Culture. *Integrative Psychological and Behavioral Science*.

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Prehospital Research – Methods and Discussion

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Williams, T. et al., 2017. Accuracy of stroke identification by paramedics in a metropolitan prehospital setting: a cohort study. *Australasian Journal of Paramedicine*, 14(2).

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Patient Profile

Older People

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Click <u>here</u> to access abstract, email <u>library.mailbox@nhs.net</u> to request fulltext Donatelli, N.S. & Somes, J., 2017. What is Frailty?, Click <u>here</u> to access abstract, email <u>library.mailbox@nhs.net</u> to request fulltext

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Davies, F.C. et al., 2017. Major trauma from suspected child abuse: a profile of the patient pathway. *Emergency Medicine Journal*, p.emermed-2016-206296. 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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Helicopter Emergency Medical Services

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On-Scene Interventions

** SWASFT AUTHORS** Stanley, J., Kirby, K. & Robinson, M., 2017. Pre-hospital lactate testing in the recognition and management of sepsis and septic shock. *Journal of Paramedic Practice*, 9(4), pp.146–149.

** SWASFT AUTHORS** Voss, S. et al., 2017. Home or hospital for people with dementia and one or more other multimorbidities: What is the potential to reduce avoidable emergency admissions? The HOMEWARD Project Protocol. *BMJ Open*, 7(4), p.e016651.

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Battaloglu, E. & Porter, K., 2017. Management of pregnancy and obstetric complications in prehospital trauma care: prehospital resuscitative hysterotomy/perimortem caesarean section. *Emergency Medicine Journal*, 34(5), pp.326–330.

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Best, P., 2017. Can paramedics avoid A&E departments with patients complaining of non-traumatic chest pain? *Journal of Paramedic Practice*, 9(4), pp.165–170. Click <u>here</u> to access fulltext- SWASFT Athens required (register <u>here</u>). Click <u>here</u> to access free abstract

Butler, F.K., Bennett, B. & Wedmore, C.I., 2017. Tactical Combat Casualty Care and Wilderness Medicine. *Emergency Medicine Clinics of North America*, 35(2), pp.391–407. Click here to access fulltext- SWASFT Athens required (register here). Click here to access free abstract

Igarashi, Y. et al., 2017. Prehospital removal improves neurological outcomes in elderly patient with foreign body airway obstruction. The *American Journal of Emergency Medicine*.

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Khan, A.A., Fletcher, P.J. & Boyle, A.J., 2017. Pre-hospital thrombolysis in ST-segment elevation myocardial infarction: a regional Australian experience. The *Medical journal of Australia*, 206(8), pp.369–370.

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Madziala, M. et al., 2017. A comparison of McGrath MAC® and standard direct laryngoscopy in simulated immobilized cervical spine pediatric intubation: a manikin study. *European Journal of Pediatrics*, pp.1–8.

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Nelskylä, A. et al., 2017. The effect of 50% compared to 100% inspired oxygen fraction on brain oxygenation and post cardiac arrest mitochondrial function in experimental cardiac arrest. *Resuscitation*, 116, pp.1–7.

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Airway Management, Resuscitation & CPR

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