



Welcome to **November 2019 issue** of the
Prehospital Emergency Services Current Awareness Update.

The aim of this Current Awareness Update is to provide a digest of information supporting evidence based practice in prehospital emergency services. Access to resources from open access and NICE Evidence Search journals are freely available to Ambulance Trust staff. A number may be only available via LKS ASE or your local library services.

Welcome to the November Issue

amber – the home of ambulance services research



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Online Bibliography

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Feedback to

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(on behalf of the National Ambulance Research Steering Group)

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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.

Research & Best Practice

The following research papers have been published in the last couple of months.

- Papers listed as **Open Access** are freely available in full text from the link provided.
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The research papers have been arranged by the topic headings below: (Ctrl & Click on the heading to go straight to that section)

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- Critical Incident Stress Debriefing: Helpful, Harmful, or Neither? [Letter] (2019, November 1). *Journal of Emergency Nursing*, Vol. 45, pp. 611–612. <https://doi.org/10.1016/j.jen.2019.08.006> **Open Access**
- Asken, M. J., Kochert, E., Wyatt, A., & Papachristou, L. (2020, January 1). Calm amidst storm: Psychological skills and mindset training for maximizing performance in medical emergencies. [Letter] *Resuscitation*, Vol. 146, pp. 32–33. <https://doi.org/10.1016/j.resuscitation.2019.10.031> **Open Access**
- Benda, N. C., Fairbanks, R. J., Higginbotham, D. J., Lin, L., Bisantz, A. M., & Lin, L. (2019). Observational study to understand interpreter service use in emergency medicine: why the key may lie outside of the initial provider assessment. *Emergency Medicine Journal*, 36(10), 582–588. <https://emj.bmj.com/content/36/10/582.abstract> **NHS OpenAthens**
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- Cazes, N., Menot, P., & Meyran, D. (2019). Emergency physician in prehospital major trauma care: It is still up to date. *The American Journal of Emergency Medicine*. <https://doi.org/10.1016/j.ajem.2019.10.047>
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- Han, L., Fine, J., Robinson, S. M., Boyle, A. A., Freeman, M., & Scholtes, S. (2019). Is seniority of emergency physician associated with the weekend mortality effect? An exploratory analysis of electronic health records in the UK. *Emergency Medicine Journal*. <https://doi.org/10.1136/emered-2018-208114> **NHS OpenAthens**
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- Kyed, M. (2019). Doing care work on the fly – exploring the unnoticed socio-emotional skills of male ambulance staff. *Sociology of Health and Illness*. <https://doi.org/10.1111/1467-9566.13014>

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- O'Mahony, E., Ní Shé, E., Bailey, J., Mannan, H., Mcauliffe, E., Ryan, J., ... Cooney, M. T. (2019). Using geographic information systems to map older people's emergency department attendance for future health planning. *Emergency Medicine Journal*. <https://doi.org/10.1136/emered-2018-207952> **Open Access**
- Park, E., Roy, S., & Skinner, J. (2019). 038 Junior doctors' perceptions and experiences of the emergency department departmental handover: a qualitative study. *Emergency Medicine Journal*, 36(12), 799–801. <https://emj.bmj.com/content/36/12/799> **Open Access**
- Pease, N. J., Sundararaj, J. J., O'Brian, E., Hayes, J., Presswood, E., & Buxton, S. (2019). Paramedics and serious illness: Communication training. *BMJ Supportive and Palliative Care*. <https://doi.org/10.1136/bmjspcare-2018-001734> **NHS OpenAthens**
- Rathner, J. A., & Kettle, C. (2019, December 1). The difference between a clinical technician and clinical practitioner is in the scope of practice: the need for a bioscience understanding in paramedicine. *Advances in Physiology Education*, Vol. 43, pp. 541–545. <https://doi.org/10.1152/advan.00113.2019> **Open Access**
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Prehospital Research – Methods and Discussion

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- Fuller, G., Keating, S., Goodacre, S., Herbert, E., Perkins, G., Ward, M., ... Cooper, C. (2019). 051 The ACUTE (ambulance CPAP: use, treatment effect and economics) feasibility study: a pilot randomised controlled trial of prehospital CPAP for acute respiratory failure. *Emergency Medicine Journal*, 36(12), 809–810. <https://emj.bmj.com/content/36/12/809.2> **Open Access**

- Lindskou, T. A., Mikkelsen, S., Christensen, E. F., Hansen, P. A., Jørgensen, G., Hendriksen, O. M., ... Søvsvø, M. B. (2019, November 4). The Danish prehospital emergency healthcare system and research possibilities. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, Vol. 27. <https://doi.org/10.1186/s13049-019-0676-5> **Open Access**

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King, J. C., Franklin, R. C., Robertson, A., Aitken, P. J., Elcock, M. S., Gibbs, C., ... Leggat, P. A. (2019). Review article: Primary aeromedical retrievals in Australia: An interrogation and search for context. *Emergency Medicine Australasia*, 1742-6723.13405. <https://doi.org/10.1111/1742-6723.13405>

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Diagnosis and Triage

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- Jones, T., & Rennie, A. (2019). BET 1: cervical spine immobilisation in the management of drowning victims. *Emergency Medicine Journal : EMJ*, 36(12), 766–767. <https://doi.org/10.1136/emered-2019-209210.2> **NHS OpenAthens**
- Joseph, J. W., Marshall, K. D., Reich, B. E., Boyle, K. L., Hill, K. P., Weiner, S. G., & Derse, A. R. (2019). How Emergency Physicians Approach Refusal of Observation after Naloxone Resuscitation. *The Journal of Emergency Medicine*. <https://doi.org/10.1016/j.jemermed.2019.09.021> **Open Access**
- Kabeer, M., Venugopalan, P. P., & Subhash, V. C. (2019). Pre-hospital Hemorrhagic Control Effectiveness of Axiostat® Dressing Versus Conventional Method in Acute Hemorrhage Due to Trauma. *Cureus*. <https://doi.org/10.7759/cureus.5527> **Open Access**
- Kiavialaitis, G. E., Müller, S., Braun, J., Rössler, J., Donat, R., Stein, P., & Kaserer, A. (2019). Clinical practice of pre-hospital analgesia: an observational study of 20978 missions in Switzerland. *The American Journal of Emergency Medicine*. <https://doi.org/10.1016/j.ajem.2019.10.033>
- Kinoshita, T., Ohbe, H., Matsui, H., Fushimi, K., Ogura, H., & Yasunaga, H. (2019). Effect of tranexamic acid on mortality in patients with haemoptysis: A nationwide study. *Critical Care*, 23(1). <https://doi.org/10.1186/s13054-019-2620-5> **Open Access**
- Li, M., Martinelli, A. N., Oliver, W. D., & Wilkerson, R. G. (2019). Evaluation of Ketamine for Excited Delirium Syndrome in the Adult Emergency Department. *Journal of Emergency Medicine*. <https://doi.org/10.1016/j.jemermed.2019.09.019>
- Prosser, C., Edwards, D., Lecky, F., & Bouamra, O. (2019). 017 Bypassing the nearest emergency department for a more distant neurosurgical centre in traumatic brain injury patients. *Emergency Medicine Journal*, 36(12), 783–783. <https://emj.bmj.com/content/36/12/783.1> **Open Access**
- Shaw, B. H., & Ross, M. (2019). Is Intranasal Ketamine Safe and Effective as a Prehospital Analgesic? *CJEM*, 1–2. <https://doi.org/10.1017/cem.2019.433>
- Sneath, E., Bunting, D., Hazell, W., Tippett, V., & Yang, I. A. (2019). Pre-hospital and emergency department pathways of care for exacerbations of chronic obstructive pulmonary disease (COPD). *Journal of Thoracic Disease*, 11(S17), S2221–S2229. <https://doi.org/10.21037/jtd.2019.10.37> **Open Access**
- Waydia, S., & Rehnberg, L. (2019). 037 Improving the adult patient experience by introducing a paediatric wound closure method – the hair apposition technique. *Emergency Medicine Journal*, 36(12), 798–799. <https://emj.bmj.com/content/36/12/798.2> **Open Access**

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- Allan, K., & Lin, S. (2019). Resuscitation care bundles: The need to optimize individual care elements. *Resuscitation*. <https://doi.org/10.1016/j.resuscitation.2019.12.002>
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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.