



Welcome to **August 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 your local Library services, where they exist.

Welcome to the August Issue

This month the *Prehospital Emergency Services Current Awareness Update* is celebrating its fiftieth issue!

Resources for researchers

Communicating your Research

A useful toolkit from the Health Foundation. Includes help on presenting at Conferences and posters. See the link here [<http://www.health.org.uk/collection/communications-health-research-toolkit>].

PLOS Medicine Special Issue – Traumatic Injury

PLOS Medicine is an Open Access journal. Click through to see the full text of articles. [<http://collections.plos.org/trauma-special-issue>]. For more articles see the PLOS collection on *Critical and Emergency Medicine* [http://journals.plos.org/plosone/browse/critical_care_and_emergency_medicine].

LSE Impact Blog

Although aimed at those working in the social sciences the *LSE Impact Blog* covers a areas about publishing, the process of communicating research, research in academia, books and new research software. If you are new to research or just want to keep up to date its really useful. [<http://blogs.lse.ac.uk/impactofsocialsciences/>].

Different ways to access the update

If you are reading this then you are already using the pdf/Word version of the Update. There are alternative social media routes you could try.

Twitter

Follow @NWASLibrary or go to <https://twitter.com/NWASLibrary>. The NWAS LKS Twitter account Tweets the latest relevant research for Paramedic Practice as it's published from scholarly/academic journals. If you don't want to subscribe just search for [#NWASLKSParamedic](#)

Online Bibliography

All this month's articles included here are available through the Mendeley Group [Prehospital Emergency Care Current Awareness Current](#). Notes access requires a free one off registration. Then click through to see the Abstracts with links to sources of full text.

Last month's and all previous month's articles are available from the [backfile](#). This means that information about articles in in past updates is always available.

Pinboards and RSS

Articles are posted daily to a web based *pinboard* created using [Sparrho](#). The [Paramedic Practice](#) pinboard is updated daily.

The RSS feeds that are used to create this update are also available online via [Feedly](#). [Click through to see the RSS feeds](#).

Feedback to

Matt Holland, NWAS LKS Librarian

(on behalf of the National Ambulance Research Steering Group)

Email: Matt.Holland@nwas.nhs.uk

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.
- Ⓢ All other papers will require you to log in with an **NHS Open Athens User Name** and **Password** to obtain the full text. These links take you to the abstract initially. To read the whole paper, choose either 'full text' or 'pdf' from the options on the abstract page. The full text option will present the article as a single webpage, the pdf. option will open as a digital copy of the original paper. Selecting either will open a page with the following link for you to enter your Athens username and password;

To view this item, select one of the options below:

Login via Athens or your home organisation 

To create your own Athens username and password, simply visit:

<https://openathens.nice.org.uk/>

- Ⓢ Where papers are not available either through **Open Access** or with your **NHS Open Athens** you may be able to get access through your own Library Service if you have one, or University, if you are registered on a course.

The research papers have been arranged by the topic headings below: *(Ctrl & Click on the heading to go straight to that section)*

[Prehospital Practitioners – Professional Development](#)

[Prehospital Research – Methods and Discussion](#)

[Diagnosis &Triage](#)

[Patient Profile](#)

[Helicopter Emergency Medical Services](#)

[On-Scene Interventions](#)

[Airway Management, Resuscitation & CPR](#)

You can find the complete **archive** of the .pdf version of Prehospital Emergency Services Current Awareness Update at the link below.

www.networks.nhs.uk/nhs-networks/nwas-library-and-information-service/esca

Abdullah, L., Adawiyah, C.W.R. & Kamal, C.W., 2017. A decision making method based on interval type-2 fuzzy sets: An approach for ambulance location preference. Applied Computing and Informatics. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S2210832717300923> [Accessed August 6, 2017]. **Open Access@**

Blodgett, J.M. et al., 2017. An alternative model of pre-hospital care for 999 patients who require non-emergency medical assistance. International Journal of Emergency Services, 6(2), pp.99–103. Available at: <http://www.emeraldinsight.com/doi/10.1108/IJES-01-2017-0002> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

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. Available at: <http://bmjopen.bmj.com/lookup/doi/10.1136/bmjopen-2017-016832> [Accessed August 7, 2017]. **Open Access@**

Carr, G. et al., 2017. Durham and Cleveland police firearms unit tactical team medics: lessons from the first six years. Journal of Paramedic Practice, 9(8), pp.330–333. Available at: http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108470;article=pp_9_8_330_333;format=pdf [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Cournoyer, A. et al., 2017. Potential Impact of a Prehospital Redirection System for Refractory Cardiac Arrest. Resuscitation, 0(0). Available at: <http://linkinghub.elsevier.com/retrieve/pii/S030095721730326X> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Duffy, I. & Jones, C., 2017. Exploratory study into the views of paramedics on paramedic prescribing. Journal of Paramedic Practice, 9(7), pp.296–301. Available at: http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108417;article=pp_9_7_296 [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Ebben, R.H.A. et al., 2017. A patient-safety and professional perspective on non-conveyance in ambulance care: a systematic review. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 25(1), p.71. Available at: <http://sjtrem.biomedcentral.com/articles/10.1186/s13049-017-0409-6> [Accessed August 7, 2017]. **Open Access@**

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. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0003687017301540> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Garner, A., 2017. Pre-hospital and retrieval medicine clinical governance in Sydney and the inconvenient truth. Emergency Medicine Australasia. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28707380> [Accessed August 6, 2017]. **Check with your local Library Service provider.**

Garrett, A., Drake, S.A. & Holcomb, J.B., 2017. Effects of a Systematic Quality Improvement Process to Decrease Complications in Trauma Patients With Prehospital Peripheral Intravenous Access. Journal of Trauma Nursing, 24(4), pp.236–241. Available at: <http://insights.ovid.com/crossref?an=00043860-201707000-00006> [Accessed August 6, 2017]. **Check with your local Library Service provider.**

Garus-Pakowska, A., Górajski, M. & Szatko, F., 2017. Awareness of the Risk of Exposure to Infectious Material and the Behaviors of Polish Paramedics with Respect to the Hazards from Blood-Borne Pathogens—A Nationwide Study. International Journal of Environmental Research and Public Health, 14(8), p.843. Available at: <http://www.mdpi.com/1660-4601/14/8/843> [Accessed August 7, 2017]. **Open Access@**

- Harmsen, A.M.K. et al., 2017. National consensus on communication in prehospital trauma care, the DENIM study. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 25(1), p.67. Available at: <http://sjtrem.biomedcentral.com/articles/10.1186/s13049-017-0414-9> [Accessed August 6, 2017]. **Open Access@**
- Holmberg, M. et al., 2015. Ambulance clinicians' experiences of relationships with patients and significant others. *Nursing in Critical Care*, 21(July), pp.e16–e23. Available at: <http://doi.wiley.com/10.1111/nicc.12196> [Accessed August 7, 2017]. **Check with your local Library Service provider.**
- Hosseini, M. et al., 2017. Towards Physiology-Aware DASH: Bandwidth-Compliant Prioritized Clinical Multimedia Communication in Ambulances. Available at: <https://arxiv.org/abs/1707.04918> [Accessed August 7, 2017]. **Open Access@**
- Jaffe, E. et al., 2017. Paramedics declare death – A lifesaving decision. *Health Policy and Technology*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S2211883717300515> [Accessed August 7, 2017]. **Check with your local Library Service provider.**
- Jennings, K., 2017. Emotional labour in paramedic practice: student awareness of professional demands. *Journal of Paramedic Practice*, 9(7), pp.288–294. Available at: http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108416;article=pp_9_7_288 [Accessed August 7, 2017]. **Check with your local Library Service provider.**
- Kim, S. et al., 2017. Preventive effects of motorcycle helmets on intracranial injury and mortality from severe road traffic injuries. *American Journal of Emergency Medicine*, Corrected. Available at: <http://www.sciencedirect.com/science/article/pii/S0735675717305739?rdoc=1&fmt=high&origin=gateway&docanchor=&md5=b8429449ccfc9c30159a5f9aeaa92ffb> [Accessed August 6, 2017]. **Check with your local Library Service provider.**
- Lauria, M.J. et al., 2017. The 5 T's: Applying Cognitive Science to Improve Prehospital Medical Education. *Air Medical Journal*, 36(4), pp.198–202. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28739244> [Accessed August 7, 2017]. **Check with your local Library Service provider.**
- Liu, R. et al., 2017. The relationship between airborne fine particle matter and emergency ambulance dispatches in a southwestern city in Chengdu, China. *Environmental Pollution*, 229, pp.661–667. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28697471> [Accessed August 6, 2017]. **Check with your local Library Service provider.**
- Marco, C.A. et al., 2017. Advance directives in emergency medicine: Patient perspectives and application to clinical scenarios. *The American Journal of Emergency Medicine*. Available at: <http://www.sciencedirect.com/science/article/pii/S0735675717306496> [Accessed August 7, 2017]. **Check with your local Library Service provider.**
- Nilsson, C. et al., 2017. Responsibility and compassion in prehospital support to survivors of suicide victim - Professionals' experiences. *International emergency nursing*, 48, pp.187–194. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28687433> [Accessed August 6, 2017]. **Open Access@**
- Rosén, H. et al., 2017. “A call for a clear assignment” – A focus group study of the ambulance service in Sweden, as experienced by present and former employees. *International Emergency Nursing*. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28712766> [Accessed August 6, 2017]. **Check with your local Library Service provider.**
- Rosenman, E.D. et al., 2017. A simulation-based approach to measuring team situational awareness in emergency medicine: A multicenter, observational study. *Academic Emergency Medicine*. Available at: <http://doi.wiley.com/10.1111/acem.13257> [Accessed August 6, 2017]. **Check with your local Library Service provider.**

Seida, Y.A.M. et al., 2017. Hepatitis-C Virus Infection and Exposure to Blood and Body Fluids among Nurses and Paramedical Personnel at the Alexandria University Hospitals, Egypt. Alexandria Journal of Medicine. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S2090506817300775> [Accessed August 7, 2017]. **Open Access@**

Senthilkumar, S. et al., 2017. Social media for health care education - Can it make a difference? The American Journal of Emergency Medicine. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0735675717305570> [Accessed August 6, 2017]. **Check with your local Library Service provider.**

Sibley, A.K. et al., 2017. Cut and rip and cut alone techniques versus usual practice in the removal of trauma patient clothing. CJEM, pp.1–6. Available at: https://www.cambridge.org/core/product/identifier/S1481803517003463/type/journal_article [Accessed August 6, 2017]. **Check with your local Library Service provider.**

Simon, J.R. et al., 2017. “Futile Care”—An Emergency Medicine Approach: Ethical and Legal Considerations. Annals of Emergency Medicine. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0196064417307278> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Townsend, R., Baron, A. & Townsend, R., 2017. Live tweeting by ambulance services : a growing concern. Journal of Paramedic Practice, 9(July), pp.282–286. Available at: http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108415;article=pp_9_7_282 [Accessed August 6, 2017]. **Check with your local Library Service provider.**

Valento, M. & Lebin, J., 2017. Emerging Drugs of Abuse: Synthetic Cannabinoids, Phenylethylamines (2C Drugs), and Synthetic Cathinones. Clinical Pediatric Emergency Medicine. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S1522840117300472> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Yoon, S. & Albert, L.A., 2017. An expected coverage model with a cutoff priority queue. Health Care Management Science. Available at: <http://link.springer.com/10.1007/s10729-017-9409-3> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Prehospital Research – Methods and Discussion

Lockey, D.J., 2017. Research questions in pre-hospital trauma care. PLOS Medicine, 14(7), p.e1002345. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28719604> [Accessed August 7, 2017]. **Open Access@**

Helicopter Emergency Medical Services (HEMS)

Delorenzo, A.J. et al., 2017. Characteristics of Fixed Wing Air Ambulance Transports in Victoria, Australia. Air Medical Journal, 36(4), pp.173–178. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28739238> [Accessed August 7, 2017]. **Open Access@**

Neagle, G. et al., 2017. Epidemiology and location of primary retrieval missions in a Scottish aeromedical service. European Journal of Emergency Medicine, p.1. Available at: <http://insights.ovid.com/crossref?an=00063110-900000000-99247> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Paul, B., 2017. Performance Psychology in Medicine symposium hosted by London’s Air Ambulance. Journal of Paramedic Practice, 9(8), pp.328–329. Available at: http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108469;article=pp_9_8_328 [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Schober, P., Bossers, S.M. & Schwarte, L.A., 2017. Clinical Study Intracranial Hematoma Detection by Near Infrared Spectroscopy in a Helicopter Emergency Medical Service : Practical Experience. BioMed Research International,

2017, pp.1–6. Available at: <https://www.hindawi.com/journals/bmri/2017/1846830/> [Accessed August 7, 2017].

Open Access@

Sunde, G.A. et al., 2017. Hypoxia and hypotension in patients intubated by physician staffed helicopter emergency medical services - a prospective observational multi-centre study. BMC Emergency Medicine, 17(1), pp.1–10.

Available at: <http://bmccemergmed.biomedcentral.com/articles/10.1186/s12873-017-0134-5> [Accessed August 6, 2017]. **Open Access@**

Diagnosis and Triage

Barelds, I. et al., 2017. Diagnostic Accuracy of Clinical Decision Rules to Exclude Fractures in Acute Ankle Injuries: Systematic Review and Meta-analysis. The Journal of Emergency Medicine. Available

at: <http://www.sciencedirect.com/science/article/pii/S0736467917304651> [Accessed August 7, 2017].

Check with your local Library Service provider.

Booth, S.M. & Bloch, M., 2012. An evaluation of a new prehospital pre-alert guidance tool. Emergency Medicine Journal, 30(10), pp.820–823. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/23100317> [Accessed August 7, 2017]. **NHS Open Athens.**

Both, C.P. et al., 2017. How Accurate Are Pediatric Emergency Tapes? A Comparison of 4 Emergency Tapes With Different Length-Based Weight Categorization. Pediatric Emergency Care, p.1. Available

at: <http://insights.ovid.com/crossref?an=00006565-900000000-98649> [Accessed August 6, 2017]. **Check with your**

local Library Service provider.

Buse, S. et al., 2017. The impact of hypothermia on serum potassium concentration: A systematic review. Resuscitation, 118, pp.35–42. Available

at: <http://linkinghub.elsevier.com/retrieve/pii/S0300957217302848> [Accessed August 7, 2017]. **Check with your**

local Library Service provider.

Greenslade, J.H. et al., 2017. Validating the Manchester Acute Coronary Syndromes (MACS) and Troponin-only Manchester Acute Coronary Syndromes (T-MACS) rules for the prediction of acute myocardial infarction in patients presenting to the emergency department with chest pain. Emergency medicine journal : EMJ, 34(8), pp.1–7.

Available at: <http://emj.bmj.com/lookup/doi/10.1136/emered-2016-206366> [Accessed August 7, 2017]. **NHS**

Open Athens

Haydar, S. et al., 2017. Comparison of qSOFA score and SIRS criteria as screening mechanisms for emergency department sepsis. The American Journal of Emergency Medicine. Available

at: <http://linkinghub.elsevier.com/retrieve/pii/S0735675717305090> [Accessed August 7, 2017]. **Check with your**

local Library Service provider.

Hazeldine, J. et al., 2017. Prehospital immune responses and development of multiple organ dysfunction syndrome following traumatic injury: A prospective cohort study M. Schreiber, ed. PLOS Medicine, 14(7), p.e1002338.

Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28719602> [Accessed August 7, 2017]. **Open Access@**

Kim, D.W., Jeong, K.Y. & Kim, K.S., 2017. Psychological scales as predictors of emergency department hospitalizations in suicide attempters. The American Journal of Emergency Medicine. Available

at: <http://linkinghub.elsevier.com/retrieve/pii/S0735675717305673> [Accessed August 6, 2017]. **Check with your**

local Library Service provider.

Kim, Y.J. et al., 2016. Utility of the simplified Wells and revised Geneva scores to exclude pulmonary embolism in femur fracture patients. American Journal of Emergency Medicine, 35(8), pp.1131–1135. Available

at: <http://linkinghub.elsevier.com/retrieve/pii/S0735675717301924> [Accessed August 7, 2017]. **Check with your**

local Library Service provider.

Pride, G.L. et al., 2016. Prehospital care delivery and triage of stroke with emergent large vessel occlusion (ELVO): report of the Standards and Guidelines Committee of the Society of Neurointerventional Surgery. Journal

of NeuroInterventional Surgery, 9(8), p.neurintsurg-2016-012699. Available at: <http://inis.bmj.com/lookup/doi/10.1136/neurintsurg-2016-012699> [Accessed August 7, 2017]. **NHS Open Athens.**

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. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28774793> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Shaw, J. et al., 2017. Can the prehospital National Early Warning Score identify patients most at risk from subsequent deterioration? Emergency Medicine Journal, 34(8), p.emermed-2016-206115. Available at: <http://emj.bmj.com/lookup/doi/10.1136/emered-2016-206115> [Accessed August 7, 2017]. **NHS Open Athens.**

Sibson, L., 2017. Stroke assessment and management in pre-hospital settings. Journal of Paramedic Practice, 9(8), pp.354–361. Available at: http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108474;article=pp_9_8_354 [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Tsai, L.-H. et al., 2017. Comparison of prehospital triage and five-level triage system at the emergency department. Emergency Medicine Journal, p.emermed-2015-205304. Available at: <http://emj.bmj.com/lookup/doi/10.1136/emered-2015-205304> [Accessed August 7, 2017]. **NHS Open Athens.**

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. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28771639> [Accessed August 7, 2017]. **Open Access@**

Winkler, M.S. et al., 2017. Markers of nitric oxide are associated with sepsis severity: an observational study. Critical Care, 21(1), p.189. Available at: <http://ccforum.biomedcentral.com/articles/10.1186/s13054-017-1782-2> [Accessed August 6, 2017]. **Open Access@**

Patient Profile

Children

Kissoon, N., 2017. Understanding fluid administration approaches in children with co-morbidities and septic shock. Critical Care, 21(1), p.204. Available at: <http://ccforum.biomedcentral.com/articles/10.1186/s13054-017-1741-y> [Accessed August 7, 2017]. **Open Access@**

Lee, S.U. et al., 2017. Epidemiology of prehospital emergency medical service use in Korean children. Clinical and Experimental Emergency Medicine, 4(2), pp.102–108. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28717780> [Accessed August 7, 2017]. **Open Access@**

Ranjit, S. et al., 2014. Multimodal Monitoring for Hemodynamic Categorization and Management of Pediatric Septic Shock. Pediatric Critical Care Medicine, 15(1), pp.e17–e26. Available at: <http://content.wkhealth.com/linkback/openurl?sid=WKPTLP:landingpage&an=00130478-201401000-00023> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Older People

Anon, Major Trauma in Older People - 2017 Report by The Trauma Audit & Research Network - issue. Available at: https://issuu.com/tarnaudit/docs/major_trauma_in_older_people_2017 [Accessed August 6, 2017]. **Open Access@**

Caterino, J.M., Raubenolt, A. & Cudnik, M.T., 2011. Modification of Glasgow Coma Scale criteria for injured elders. Academic Emergency Medicine, 18(10), pp.1014–1021. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/21951715> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Cesari, M., Calvani, R. & Marzetti, E., 2017. Frailty in Older Persons. *Clinics in Geriatric Medicine*, 33(3), pp.293–303. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0749069017300113> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Frost, R. et al., 2017. Health promotion interventions for community-dwelling older people with mild or pre-frailty: A systematic review and meta-analysis. *BMC Geriatrics*, 17(1), p.[in press]. Available at: <http://bmgeriatr.biomedcentral.com/articles/10.1186/s12877-017-0547-8> [Accessed August 7, 2017]. **Open Access@**

Rosen, T. et al., 2017. Emergency Medical Services Perspectives on Identifying and Reporting Victims of Elder Abuse, Neglect, and Self-Neglect. *The Journal of Emergency Medicine*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0736467917303633> [Accessed August 6, 2017]. **Check with your local Library Service provider.**

Sánchez-García, S. et al., 2017. Frailty in community-dwelling older adults: association with adverse outcomes. *Clinical Interventions in Aging*, 12, pp.1003–1011. Available at: <https://www.dovepress.com/frailty-in-community-dwelling-older-adults-association-with-adverse-ou-peer-reviewed-article-CIA> [Accessed August 7, 2017]. **Open Access@**

Transgender

Samuels, E.A. et al., 2017. “Sometimes You Feel Like the Freak Show”: A Qualitative Assessment of Emergency Care Experiences Among Transgender and Gender-Nonconforming Patients. *Annals of Emergency Medicine*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0196064417305838> [Accessed August 6, 2017]. **Check with your local Library Service provider.**

On-Scene Interventions

Abelairas-Gómez, C. et al., 2017. Prehospital Emergency Medicine at the Beach: What Is the Effect of Fins and Rescue Tubes in Lifesaving and Cardiopulmonary Resuscitation After Rescue? *Wilderness & Environmental Medicine*. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28754294> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Aksel, G., 2017. Effects of spinal immobilization at a 20° angle on cerebral oxygen saturations measured by INVOSTM. *The American Journal of Emergency Medicine*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0735675717305636> [Accessed August 6, 2017]. **Check with your local Library Service provider.**

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. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28762896> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Baombe, J.P. & Howard, L., 2017. BET 1: Lidocaine with propofol to reduce pain on injection. *Emergency Medicine Journal*, 34(8), p.551.2-552. Available at: <http://emj.bmj.com/lookup/doi/10.1136/emmermed-2017-206976.1> [Accessed August 7, 2017]. **NHS Open Athens.**

Blair, H.A. & Frampton, J.E., 2017. Methoxyflurane inhalation vapour in trauma pain: a profile of its use in the EU. *Drugs & Therapy Perspectives*, pp.1–6. Available at: <http://link.springer.com/10.1007/s40267-017-0433-7> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Brandling, J. et al., 2017. Emergency medical service provider decision-making in out of hospital cardiac arrest: an exploratory study. *BMC Emergency Medicine*, 17(1), p.24. Available at: <http://bmcermed.biomedcentral.com/articles/10.1186/s12873-017-0136-3> [Accessed August 7, 2017]. **Open Access@**

Chadkirk, R., 2017. Pre-hospital management of pain associated with an acute sickle cell crisis. *Journal of Paramedic Practice*, 9(7), pp.312–315. Available at: http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108419;article=pp_9_7_312 [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Fevang, E. et al., 2017. A systematic review and meta-analysis comparing mortality in pre-hospital tracheal intubation to emergency department intubation in trauma patients. *Critical Care*, 21(1), p.192. Available at: <http://ccforum.biomedcentral.com/articles/10.1186/s13054-017-1787-x> [Accessed August 7, 2017]. **Open Access@**

Hajimaghsoudi, M. et al., 2017. A novel method for epistaxis management: Randomized clinical trial comparing nose clip with manual compression. *The American Journal of Emergency Medicine*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0735675717305557> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Klebacher, R. et al., 2017. Incidence of Naloxone Redosing in the Age of the New Opioid Epidemic. *Prehospital Emergency Care*, pp.1–6. Available at: <https://www.tandfonline.com/doi/full/10.1080/10903127.2017.1335818> [Accessed August 6, 2017]. **Check with your local Library Service provider.**

Li, H.-X. et al., 2017. Comparing Direct and Video Laryngoscopy for Prehospital Intubation: Can Meta-Analysis Provide an Exact Solution? *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28752646> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

McIntosh, J., 2017. Ocular management for CS gas exposure: exploring treatment in the pre-hospital setting. *Journal of Paramedic Practice*, 9(8), pp.340–346. Available at: http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108472;article=pp_9_8_340 [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Morton Hamer, M.J. & Faught, S.K., 2017. Is Early Goal-Directed Therapy or Standard Therapy More Effective in Decreasing Mortality Among Patients With Sepsis? *Annals of Emergency Medicine*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S019606441730728X> [Accessed August 6, 2017]. **Open Access@**

Oliveira J. e Silva, L. et al., 2017. Effectiveness of Apneic Oxygenation During Intubation: A Systematic Review and Meta-analysis. *Annals of Emergency Medicine*, 60, p.749–754.e742. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0196064417305826> [Accessed August 6, 2017]. **Open Access@**

Reid, C., Hayes-Bradley, C. & Burns, B., 2017. Pre-hospital pre-oxygenation strategies. *Anaesthesia*, 72(8), pp.1038–1039. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28695593> [Accessed August 6, 2017]. **Check with your local Library Service provider.**

Sigal, A., Martin, A. & Ong, A., 2017. Availability and use of hemostatic agents in prehospital trauma patients in Pennsylvania translation from the military to the civilian setting. *Open Access Emergency Medicine*, Volume 9, pp.47–52. Available at: <https://www.dovepress.com/availability-and-use-of-hemostatic-agents-in-prehospital-trauma-patien-peer-reviewed-article-OAEM> [Accessed August 7, 2017]. **Open Access@**

Smereka, J. et al., 2017. C-MAC compared with direct laryngoscopy for intubation in patients with cervical spine immobilization: A manikin trial. *American Journal of Emergency Medicine*, 35(8), pp.1142–1146. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0735675717301961> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Wang, H.E., 2017. The (Continued) Challenges of Out-of-Hospital Rapid Sequence Intubation. *Annals of Emergency Medicine*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0196064417304304> [Accessed August 7, 2017].

Xie, Z. et al., 2017. Sedation effects of intranasal dexmedetomidine delivered as sprays versus drops on pediatric response to venous cannulation. *American Journal of Emergency Medicine*, 35(8), pp.1126–1130. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0735675717301894> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Airway Management, Resuscitation & CPR

Beskind, D.L. et al., 2017. Viewing an Ultra-Brief Chest Compression Only Video Improves some measures of Bystander CPR Performance and Responsiveness at a Mass Gathering Event. *Resuscitation*, 118, pp.96–100. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0300957217302927> [Accessed August 6, 2017]. **Check with your local Library Service provider.**

Boland, L.L. et al., 2017. Minnesota Heart Safe Communities: Are community-based initiatives increasing pre-ambulance CPR and AED use? *Resuscitation*, 0(0). Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28774567> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Cohen, J.G. et al., 2017. Asphyxia after complete avalanche burial: A new paradigm [Letter]. *Resuscitation*, 135(0), pp.2426–2441. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28746828> [Accessed August 7, 2017]. **Open Access@**

Elmer, J. & Weisgerber, A., 2017. Saving lives despite “failed” extracorporeal resuscitation. *Resuscitation*, 118(0), pp.A5–A6. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28728895> [Accessed August 6, 2017]. **Check with your local Library Service provider.**

Fabris, E. et al., 2017. Long-term mortality and prehospital tirofiban treatment in patients with ST elevation myocardial infarction. *Heart*, p.heartjnl-2017-311181. Available at: <http://heart.bmj.com/lookup/doi/10.1136/heartjnl-2017-311181> [Accessed August 6, 2017]. **NHS Open Athens.**

Ferraro, D.M., McCann, E.T. & Bell, D.G., 2017. Airway Management in Combat Trauma. *Current Pulmonology Reports*. Available at: <http://link.springer.com/10.1007/s13665-017-0186-8> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Haas, N.L. et al., 2017. Descriptive Analysis of Extracorporeal Cardiopulmonary Resuscitation Following Out-of-Hospital Cardiac Arrest – An ELSO Registry Study. *Resuscitation*, 0(0). Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0300957217303283> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Hobson, M., 2017. Which resuscitated patients benefit from PPCI after out of hospital cardiac arrest? *Journal of Paramedic Practice*, 9(7), pp.302–310. Available at: http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108418;article=pp_9_7_302 [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Hughes, A., Johnson, N.J. & Mazor, S.S., 2017. Extracorporeal life support: Indications and use in severely poisoned patients. *Clinical Pediatric Emergency Medicine*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S1522840117300460> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Huis in 't Veld, M.A. et al., 2017. Ultrasound use during cardiopulmonary resuscitation is associated with delays in chest compressions. *Resuscitation*, 128(0), pp.417–435. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28754527> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Idris, A.H. et al., 2017. 2015 revised Utstein-style recommended guidelines for uniform reporting of data from drowning-related resuscitation. An ILCOR advisory statement. *Resuscitation*, 17(0), pp.441–467. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28728893> [Accessed August 6, 2017]. **Open Access@**
Prehospital Emergency Services Current Awareness Update – Issue 50, August 2017

- Ji, C. et al., 2017. Post-admission outcomes of participants in the PARAMEDIC trial: A cluster randomised trial of mechanical or manual chest compressions. *Resuscitation*, 118, pp.82–88. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0300957217302691> [Accessed August 7, 2017]. **Check with your local Library Service provider.**
- Jo, C.H., Cho, G.C. & Lee, C.H., 2017. Two-Thumb Encircling Technique Over the Head of Patients in the Setting of Lone Rescuer Infant CPR Occurred During Ambulance Transfer. *Pediatric Emergency Care*, 33(7), pp.462–466. Available at: <http://insights.ovid.com/crossref?an=00006565-201707000-00003> [Accessed August 7, 2017]. **Check with your local Library Service provider.**
- Jordan, M.R. et al., 2017. Implementation of the universal BLS termination of resuscitation rule in a rural EMS system. *Resuscitation*, 118, pp.75–81. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S030095721730285X> [Accessed August 7, 2017]. **Check with your local Library Service provider.**
- Karam, N. et al., 2017. Major Regional Differences in Automated External Defibrillator Placement and Basic Life Support Training Exposure in France: Further Needs for Coordinated Implementation. *Resuscitation*, 118, pp.49–54. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0300957217302836> [Accessed August 7, 2017]. **Check with your local Library Service provider.**
- Kuisma, M. et al., 2017. Delayed return of spontaneous circulation (the Lazarus phenomenon) after cessation of out-of-hospital cardiopulmonary resuscitation. *Resuscitation*, 118, pp.107–111. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0300957217303039> [Accessed August 7, 2017]. **Check with your local Library Service provider.**
- Nehme, Z. et al., 2017. Manual Versus Semiautomatic Rhythm Analysis and Defibrillation for Out-of-Hospital Cardiac Arrest. *Circulation: Cardiovascular Quality and Outcomes*, 10(7), p.e003577. Available at: <http://circoutcomes.ahajournals.org/lookup/doi/10.1161/CIRCOUTCOMES.116.003577> [Accessed August 6, 2017]. **Check with your local Library Service provider.**
- Oh, J.H. et al., 2017. What is the key contributor in achieving return of spontaneous circulation in the field from out-of-hospital cardiac arrest? [Letter] *Resuscitation*, 3(0), pp.63–81. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28728894> [Accessed August 6, 2017]. **Open Access@**
- Orso, D. et al., 2017. Comparison of different airway-management devices used by non-anaesthetist personnel: A crossover manikin study. *American Journal of Emergency Medicine*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0735675717305569> [Accessed August 6, 2017]. **Check with your local Library Service provider.**
- Riddersholm, S. et al., 2017. Association of bystander interventions and hospital length of stay and admission to intensive care unit in out-of-hospital cardiac arrest survivors. *Resuscitation*, 41(0), pp.2204–2206. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28716539> [Accessed August 6, 2017]. **Check with your local Library Service provider.**
- Schött, U. & Kander, T., 2017. Prolonged TTM – enhanced hypocoagulation and bleeding? *Resuscitation*, 118(0), pp.A3–A4. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28690080> [Accessed August 7, 2017]. **Check with your local Library Service provider.**
- Title, R. et al., 2017. The Effects of Public Access Defibrillation on Survival After Out-of- Hospital Cardiac Arrest: A Systematic Review of Observational Studies. *Circulation*, p.CIRCULATIONAHA.117.029067. Available at: <http://circ.ahajournals.org/lookup/doi/10.1161/CIRCULATIONAHA.117.029067> [Accessed August 6, 2017]. **Check with your local Library Service provider.**
- Viglino, D. et al., 2017. Survival of cardiac arrest patients on ski slopes: A 10-year analysis of the Northern French Alps Emergency Network. *Resuscitation*, 61(0), pp.388–389. Available

at: <http://linkinghub.elsevier.com/retrieve/pii/S030095721730312X> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Vissers, G., Soar, J. & Monsieurs, K.G., 2017. Ventilation rate in adults with a tracheal tube during cardiopulmonary resuscitation: a systematic review. *Resuscitation*, 119, pp.5–12. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S030095721730299X> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Vithalani, V.D. et al., 2017. Unrecognized Failed Airway Management Using a Supraglottic Airway Device. *Resuscitation*, 119, pp.1–4. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0300957217303003> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

Zhang, Q. et al., 2017. Efficacy of vasopressin-epinephrine compared to epinephrine alone for out of hospital cardiac arrest patients: A systematic review and meta-analysis. *The American Journal of Emergency Medicine*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0735675717305697> [Accessed August 7, 2017]. **Check with your local Library Service provider.**

How to contact your Library Service

Service	Contact	Services Offered
Isle of Wight	eMail: library@iow.nhs.uk Link to: Library Website	Full library membership of the Oliveira Library.
North West Ambulance Service	eMail: Matt.Holland@nwas.nhs.uk Link to: Library Website	Outreach Service; Guest membership of local NHS Library
South East Ambulance Service	eMail: Holly.Case@sash.nhs.uk	Outreach Library Service; Membership of local NHS Library.
Yorkshire Ambulance Service	eMail: library.crh@cht.nhs.uk Link to: Library Website	Membership of Calderdale and Huddersfield NHS FT, Library and Knowledge Services
South Central Ambulance Service	eMail: library@royalberkshire.nhs.uk Link to: Library Website	Membership of Royal Berkshire NHS Foundation Trust Library
South West Ambulance Service	eMail: library.mailbox@nhs.net Link to: Library Website	Membership of the any of these libraries .
London Ambulance Service	eMail: caru.administrtor@londonambulance.nhs.uk	Document Supply, Research

Feedback to

Matt Holland, Nwas LKS Librarian

(on behalf of the National Ambulance Research Steering Group)

Email: Matt.Holland@nwas.nhs.uk

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.

Prehospital Emergency Services Current Awareness Update – Issue 50, August 2017