



Welcome to **May 2018 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 May Issue

New Mailing List

Changes due to the introduction of the *General Data protection Legislation* (GDPR) mean that you now have to [sign up](#) to join the mailing list to receive LKS ASE Current Awareness Services. Over 700 people have joined. If you are reading this and you haven't signed up or you know people who might benefit please direct them to the [form](#) on the [LKS ASE website](#).

Request an article service

Where articles in this issue are not available through *Open Access* or *NHS Open Athens* you have the option of requesting articles through the [Request an Article](#) service if you are a member of a participating Ambulance Services.

For all current awareness services provided by LKS ASE see the [Current Awareness](#) home page.

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>. This 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

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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.
- Papers listed as **NHS Open Athens** 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;

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- 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 or from the [LKS ASE Request an article service](#) , or University Library, 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.

<https://ambulance.libguides.com/friendly.php?s=currentawareness>

Prehospital Practitioners – Professional Development

- Alm Pfrunder, A. et al., 2018. Prehospital emergency care nurses' strategies while caring for patients with limited Swedish - English proficiency. *Journal of Clinical Nursing*. Available at: <http://doi.wiley.com/10.1111/jocn.14484> [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.
- Bristol, S., Kostelec, T. & MacDonald, R., 2018. Improving Emergency Health Care Workers' Knowledge, Competency, and Attitudes Toward Lesbian, Gay, Bisexual, and Transgender Patients Through Interdisciplinary Cultural Competency Training. *Journal of emergency nursing: JEN : official publication of the Emergency Department Nurses Association*, 0(0). Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29704979> [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.
- Chapman, E., 2018. Handling dyslexia while becoming a paramedic. *Journal of Paramedic Practice*, 10(4), pp.175–175. Available at: http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108789;article=pp_10_4_175 [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.
- Christopher, S.V.E., 2018. Students' perceptions of a flipped classroom approach to paramedic theory. *British Paramedic Journal*, 2(4), pp.1–9. Available at: <http://www.ingentaconnect.com/content/10.29045/14784726.2018.03.2.4.1> [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.
- Chung, A. et al., 2018. Educator Toolkits on Second Victim Syndrome, Mindfulness and Meditation, and Positive Psychology: The 2017 Resident Wellness Consensus Summit. *Western Journal of Emergency Medicine*, 19(2), pp.327–331. Available at: <https://escholarship.org/uc/item/7j04n84k> [Accessed April 30, 2018]. Open Access
- Eaton, G., Mahtani, K. & Catterall, M., 2018. The evolving role of paramedics – a NICE problem to have? *Journal of Health Services Research & Policy*, p.135581961876835. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29683358> [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.
- Gallagher, A. et al., 2018. Fitness-to-practise concerns and preventative strategies. *Journal of Paramedic Practice*, 10(4), pp.163–169. Available at: <http://www.magonlinelibrary.com/doi/10.12968/jpar.2018.10.4.163> [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.
- Gawel, W. et al., 2018. Should paramedics use automated external defibrillators? Preliminary data. *The American Journal of Emergency Medicine*. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29631922> [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.
- Hayes, C., 2018. Building psychological resilience in the paramedic. *Journal of Paramedic Practice*, 10(4), pp.147–152. Available at: http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108783;article=pp_10_4_147 [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.
- Huang, Y.-H. et al., 2018. Development of sustainable community paramedicine programmes: a case study in Pennsylvania. *Emergency Medicine Journal*, p.emermed-2017-207211. Available at: <http://emj.bmj.com/lookup/doi/10.1136/emered-2017-207211> [Accessed April 30, 2018]. NHS Open Athens
- Kang, X. et al., 2018. The Benefits of Indirect Exposure to Trauma: The Relationships among Vicarious Posttraumatic Growth, Social Support, and Resilience in Ambulance Personnel in China. *Psychiatry Investigation*, 15(5), pp.452–459. Available at: <http://www.psychiatryinvestigation.org/journal/view.php?doi=10.30773/pi.2017.11.08.1> [Accessed April 30, 2018]. Open Access

- Lad, U. et al., 2018. Comparing the biomechanical and psychophysical demands imposed on paramedics when using manual and powered stretchers. *Applied Ergonomics*, 70, pp.167–174. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0003687018300620> [Accessed April 30, 2018]. Use [LKS ASE](#) or [check with your library](#).
- Mahtani, K.R. et al., 2018. Setting the scene for paramedics in general practice: what can we expect? *Journal of the Royal Society of Medicine*, p.14107681876941. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29672202> [Accessed April 30, 2018]. Use [LKS ASE](#) or [check with your library](#).
- Maison, P. & Batt, A., 2018. #FOAMems: Engaging paramedics with free, online open-access education. *Journal of Education and Health Promotion*, 7, p.32. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29619383> [Accessed April 30, 2018]. [Open Access](#)
- McKelvin, R., 2018. The good we do outweighs the rest. *International Paramedic Practice*, 8(1), pp.2–2. Available at: <http://www.magonlinelibrary.com/doi/10.12968/ippr.2018.8.1.2> [Accessed April 30, 2018]. Use [LKS ASE](#) or [check with your library](#).
- Mills, B.W. et al., 2018. Investigating the Extent Realistic Moulage Impacts on Immersion and Performance Among Undergraduate Paramedicine Students in a Simulation-based Trauma Scenario. *Simulation in Healthcare: The Journal of the Society for Simulation in Healthcare*, p.1. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29672468> [Accessed April 30, 2018]. Use [LKS ASE](#) or [check with your library](#).
- Morchel H, Ogedegbe C, Chaplin W, Cheney B, Zakharchenko S, Misch D, Schwartz M, Feldman J, K.S., 2018. Evaluation of a Novel Wireless Transmission System for Trauma Ultrasound Examinations From Moving Ambulances. *Military Medicine*, 183(suppl_1), pp.111–118. Available at: https://academic.oup.com/milmed/article/183/suppl_1/111/4959948 [Accessed April 30, 2018]. [Open Access](#)
- Palmer, S.J., 2018. Examining the true impact of alcohol on the heart. *Journal of Paramedic Practice*, 10(4), pp.170–172. Available at: http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108787;article=pp_10_4_170 [Accessed April 30, 2018]. Use [LKS ASE](#) or [check with your library](#).
- Patterson, P.D. et al., 2018. Shorter Versus Longer Shift Durations to Mitigate Fatigue and Fatigue-Related Risks in Emergency Medical Services Personnel and Related Shift Workers: A Systematic Review. *Prehospital Emergency Care*, 22(sup1), pp.28–36. Available at: <https://www.tandfonline.com/doi/full/10.1080/10903127.2017.1376135> [Accessed April 30, 2018]. Use [LKS ASE](#) or [check with your library](#).
- Pocock, H. et al., 2018. A clinical audit of the electronic data capture of dementia in ambulance service patient records. *British Paramedic Journal*, 2(4), pp.10–18. Available at: <http://www.ingentaconnect.com/content/10.29045/14784726.2018.03.2.4.10> [Accessed April 30, 2018]. [Open Access](#)
- Preston, J. et al., 2018. Occupational therapists and paramedics form a mutually beneficial alliance to reduce the pressure on hospitals: A practice analysis. *British Journal of Occupational Therapy*, p.30802261875741. Available at: <http://journals.sagepub.com/doi/10.1177/0308022618757412> [Accessed April 30, 2018]. Use [LKS ASE](#) or [check with your library](#).
- Sawyer, S. et al., 2018. Paramedics as a New Resource for Women Experiencing Intimate Partner Violence. *Journal of Interpersonal Violence*, p.88626051876936. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29673303> [Accessed April 30, 2018]. Use [LKS ASE](#) or [check with your library](#).
- Sepehrvand, N. et al., 2018. Ambulance use, distance and outcomes in patients with suspected cardiovascular disease: a registry-based geographic information system study. *European Heart Journal: Acute Cardiovascular*

Care, p.204887261876987. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29652166> [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.

Shashar, S. et al., 2018. The Association Between Heat Waves and Other Meteorological Parameters and Snakebites: Israel National Study. *Journal of Emergency Medicine*. Available at: <https://doi.org/10.1016/j.jemermed.2018.02.002> [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.

Smith, C. et al., 2018. Evaluation of a Novel Handoff Communication Strategy for Patients Admitted from the Emergency Department. *Western Journal of Emergency Medicine*, 19(2), pp.372–379. Available at: <https://escholarship.org/uc/item/34q743rd> [Accessed April 30, 2018]. **Open Access**

Snowdon, K., 2018. Humour in reflective practice. *Journal of Paramedic Practice*, 10(4), pp.144–146. Available at: <http://www.magonlinelibrary.com/doi/10.12968/jpar.2018.10.4.144> [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.

Vencloviene, J., Braziene, A. & Dobožinskas, P., 2018. Short-term changes in weather and space weather conditions and emergency ambulance calls for elevated arterial blood pressure. *Atmosphere*, 9(3), p.114. Available at: <http://www.mdpi.com/2073-4433/9/3/114> [Accessed April 30, 2018]. **Open Access**

Willis, S. & Mellor, G., 2018. That final fatal error: crew resource management. *International Paramedic Practice*, 8(1), pp.10–13. Available at: <http://www.magonlinelibrary.com/doi/10.12968/ippr.2018.8.1.10> [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.

Wilson, C., 2018. Embrace the evidence or not - a book for the masses. *Journal of Paramedic Practice*, 10(4), pp.173–174. Available at: http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108788;article=pp_10_4_173 [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.

Zhang, W. et al., 2018. Out-of-hospital cardiac arrest with Do-Not-Resuscitate orders signed in hospital: Who are the survivors? *Resuscitation*, 127, pp.68–72. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29631004> [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.

Prehospital Research – Methods and Discussion

Jafar, A.J.N., 2018. What is positionality and should it be expressed in quantitative studies? *Emergency medicine journal*, 35(5), pp.323–324. Available at: <https://doi.org/10.1136/emered-2017-207158> [Accessed April 30, 2018]. **NHS Open Athens**

Yusuf, H. et al., 2018. Research participation among state and local public health emergency preparedness and response programs. *Public Health*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S0033350618300805> [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.

Helicopter Emergency Medical Services (HEMS) and Air Medical

Fahy, A.S. et al., 2018. Early Hospital Discharge After Helicopter Transport of Pediatric Trauma Patients. *Pediatric Emergency Care*, p.1. Available at: https://journals.lww.com/pec-online/Abstract/publishahead/Early_Hospital_Discharge_After_Helicopter.98448.aspx [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.

Hersey, D., Witter, T. & Kovacs, G., 2018. Transport of a Prone Position Acute Respiratory Distress Syndrome Patient. *Air Medical Journal*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S1067991X1730353X> [Accessed April 30, 2018].

Maissan, I.M. et al., 2018. Helicopter Transportation Increases Intracranial Pressure: a Proof-of-Principle Study. *Air Medical Journal*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S1067991X17303954> [Accessed April 30, 2018]. **Use LKS ASE or check with your library.**

Diagnosis and Triage

Andersson, H. et al., 2018. The early chain of care in bacteraemia patients: Early suspicion, treatment and survival in prehospital emergency care. *American Journal of Emergency Medicine*. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29653787> [Accessed April 30, 2018]. **Use LKS ASE or check with your library.**

Beatty, E. & Archambault, P., 2018. BET 1: Can Salter-Harris type I fractures be diagnosed by ultrasound? *Emergency medicine journal : EMJ*, 35(5), pp.335–336. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29674383> [Accessed April 30, 2018]. **NHS Open Athens**

Bonnesen, K. et al., 2018. Prehospital triage of patients diagnosed with perforated peptic ulcer or peptic ulcer bleeding: an observational study of patients calling 1-1-2. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 26(1), p.25. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29618372> [Accessed April 30, 2018]. **Open Access**

Cowling, M. & Birt, J., 2018. Pedagogy before Technology: A Design-Based Research Approach to Enhancing Skills Development in Paramedic Science Using Mixed Reality. *Information*, 9(2), p.29. Available at: <http://www.mdpi.com/2078-2489/9/2/29> [Accessed April 30, 2018]. **Open Access**

El Zahran, T. & El Sayed, M., 2018. Prehospital Ultrasound in Trauma: A Review of Current and Potential Future Clinical Applications. *Journal of Emergencies, Trauma, and Shock*, 11(1), p.4. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29628662> [Accessed April 30, 2018]. **Open Access**

Klein, L. et al., 2018. Emergency Department Frequent Users for Acute Alcohol Intoxication. *Western Journal of Emergency Medicine*, 19(2), pp.398–402. Available at: <https://escholarship.org/uc/item/3km108tw> [Accessed April 30, 2018]. **Open Access**

Sinclair, N. et al., 2018. Clinician tasking in ambulance control improves the identification of major trauma patients and pre-hospital critical care team tasking. *Injury*. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29622470> [Accessed April 30, 2018]. **Use LKS ASE or check with your library.**

St. John, A. et al., 2018. Prehospital Lactate Predicts Need for Resuscitative Care in Non-hypotensive Trauma Patients. *Western Journal of Emergency Medicine*, 19(2), pp.224–231. Available at: <https://escholarship.org/uc/item/30k6r6pz> [Accessed April 30, 2018]. **Open Access**

van Gaal, S. & Demchuk, A., 2018. Clinical and Technological Approaches to the Prehospital Diagnosis of Large Vessel Occlusion. *Stroke*, 49(4), pp.1036–1043. Available at: <http://stroke.ahajournals.org/lookup/doi/10.1161/STROKEAHA.117.017947> [Accessed April 30, 2018]. **Use LKS ASE or check with your library.**

Patient Profile

Dialysis Patients

Bartolacci, J. et al., 2018. Burden of Emergency Medical Services Usage by Dialysis Patients. *Prehospital Emergency Care*, pp.1–7. Available at: <https://www.tandfonline.com/doi/full/10.1080/10903127.2018.1454558> [Accessed April 30, 2018]. **Use LKS ASE or check with your library.**

Homeless People

Salhi, B.A. et al., 2018. Homelessness and Emergency Medicine: Furthering the Conversation J. H. Burton, ed. *Academic Emergency Medicine*. Available at: <http://doi.wiley.com/10.1111/acem.13391> [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.

Older People

Gagnon-Roy, M. et al., 2018. Preventing emergency department (ED) visits and hospitalisations of older adults with cognitive impairment compared with the general senior population: what do we know about avoidable incidents? Results from a scoping review. *BMJ Open*, 8(4), p.e019908. Available at: <http://bmjopen.bmj.com/lookup/doi/10.1136/bmjopen-2017-019908> [Accessed April 30, 2018]. [Open Access](#)

Dwyer, R. et al., 2018. Patterns of emergency ambulance use, 2009–13: a comparison of older people living in Residential Aged Care Facilities and the Community. *Age and Ageing*. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29688243> [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.

Street, M., BERRY, D. & CONSIDINE, J., 2018. Frequent use of emergency departments by older people: a comparative cohort study of characteristics and outcomes. *International Journal for Quality in Health Care*. Available at: <https://academic.oup.com/intqhc/advance-article/doi/10.1093/intqhc/mzy062/4969369> [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.

On-Scene Interventions

Chippendale, J. et al., 2017. 02 A pilot study to assess the feasibility of paramedics delivering antibiotic treatment to “red flag” sepsis patients. *British Paramedic Journal*, 2(4), 19-24. Available at: <http://www.ingentaconnect.com/content/10.29045/14784726.2018.03.2.4.19> [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.

Cowley, A. et al., 2018. A retrospective analysis of ketamine administration by critical care paramedics in a pre-hospital care setting. *British Paramedic Journal*, 2(4), pp.25–31. Available at: <http://www.ingentaconnect.com/content/10.29045/14784726.2018.03.2.4.25> [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.

Deighton, R., 2018. Capnography: monitoring CO₂. *Journal of Paramedic Practice*, 10(4), pp.154–156. Available at: http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108784;article=pp_10_4_154 [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.

Esteves, C. et al., 2018. Severe hypoglycaemia in diabetic patients in Pre-hospital and Emergency Department care: a cross-sectional survey. *BMC Research Notes*, 11(1), p.249. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29685177> [Accessed April 30, 2018]. [Open Access](#)

Fenwick, R. & Nutbeam, T., 2018. Medical vs. true physical traffic collision entrapment, *Journal of Paramedic Practice*. Available at: http://www.paramedicpractice.com/cgi-bin/go.pl/library/article.cgi?uid=108785;article=pp_10_4_158 [Accessed April 30, 2018]. Use [LKS ASE](#) or check with your library.

Greene, T.J. et al., 2018. Utilizing Propensity Score Analyses in Prehospital Blood Product Transfusion Studies: Lessons Learned and Moving Toward Best Practice. *Military Medicine*, 183(suppl_1), pp.124–133. Available at: https://academic.oup.com/milmed/article/183/suppl_1/124/4959924 [Accessed April 30, 2018]. [Open Access](#)

Kim, J.G. et al., 2018. Pre-hospital i-gel blind intubation for trauma : a simulation study. *Clinical and Experimental Emergency Medicine*, 5(1), pp.29–34. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29618190> [Accessed April 30, 2018]. [Open Access](#)

- Kondo, Y. et al., 2017. Effects of advanced life support versus basic life support on the mortality rates of patients with trauma in prehospital settings: A study protocol for a systematic review and meta-analysis. *BMJ Open*, 7(10), p.e016912. Available at: <http://bmjopen.bmj.com/lookup/doi/10.1136/bmjopen-2017-016912> [Accessed April 30, 2018]. **Open Access**
- Kong, V.Y. et al., 2018. Routine cervical spine immobilisation is unnecessary in patients with isolated cerebral gunshot wounds: A South African experience. *Emergency Medicine Australasia*. Available at: <http://doi.wiley.com/10.1111/1742-6723.12985> [Accessed April 30, 2018]. **Use LKS ASE or check with your library.**
- Lebel, K. et al., 2018. Quantitative Approach Based on Wearable Inertial Sensors to Assess and Identify Motion and Errors in Techniques Used during Training of Transfers of Simulated c-Spine-Injured Patients. *Journal of Healthcare Engineering*, 2018, pp.1–9. Available at: <https://www.hindawi.com/journals/jhe/2018/5190693/> [Accessed April 30, 2018]. **Open Access**
- Macke, C. et al., 2018. Influence of Entrapment on Prehospital Management and the Hospital Course in Polytrauma Patients: A Retrospective Analysis in Air Rescue. *The Journal of Emergency Medicine*. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29680410> [Accessed April 30, 2018]. **Use LKS ASE or check with your library.**
- Mix, F.M. et al., 2018. Prehospital Blood Product Administration Opportunities in Ground Transport ALS EMS – A Descriptive Study. *Prehospital and Disaster Medicine*, pp.1–7. Available at: https://www.cambridge.org/core/product/identifier/S1049023X18000274/type/journal_article [Accessed April 30, 2018]. **Use LKS ASE or check with your library.**
- Moy, R. & Wright, C., 2018. Ketamine for military prehospital analgesia and sedation in combat casualties. *Journal of the Royal Army Medical Corps*, p.jramc-2018-000910. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29632133> [Accessed April 30, 2018]. **Use LKS ASE or check with your library.**
- Rehn, M. et al., 2018. Effect of Pre-Hospital Red Blood Cell Transfusion on Mortality and Time of Death in Civilian Trauma Patients. *SHOCK*, p.1. Available at: <http://insights.ovid.com/crossref?an=00024382-900000000-97840> [Accessed April 30, 2018]. **Use LKS ASE or check with your library.**
- Ruelas, O.S. et al., 2018. Analysis of Prehospital Scene Times and Interventions on Mortality Outcomes in a National Cohort of Penetrating and Blunt Trauma Patients. *Prehospital Emergency Care*, pp.1–7. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29617208> [Accessed April 30, 2018]. **Use LKS ASE or check with your library.**
- Wahlin, R.R. et al., 2018. Prehospital intubation and outcome in traumatic brain injury-assessing intervention efficacy in a modern trauma cohort. *Frontiers in Neurology*, 9(APR). Available at: <http://journal.frontiersin.org/article/10.3389/fneur.2018.00194/full> [Accessed April 30, 2018]. **Open Access**
- Ward, C. & Simpson, J., 2018. Improving Prehospital Management of Children With Respiratory Distress. *Clinical Pediatric Emergency Medicine*. Available at: <http://linkinghub.elsevier.com/retrieve/pii/S1522840118300053> [Accessed April 30, 2018]. **Use LKS ASE or check with your library.**

Airway Management, Resuscitation & CPR

- Aguilar, S. et al., 2018. Addition of Audiovisual Feedback During Standard Compressions Is Associated with Improved Ability. *Western Journal of Emergency Medicine*, 19(2), pp.437–444. Available at: <https://escholarship.org/uc/item/8kk6q5bn> [Accessed April 30, 2018]. **Open Access**
- Berglund, E. et al., 2018. A smartphone application for dispatch of lay responders to out-of-hospital cardiac arrests. *Resuscitation*, 126, pp.160–165. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29408717> [Accessed April 30, 2018]. **Use LKS ASE or check with your library.**

- Bødtker, H. & Rosendahl, D., 2018. Correct AED electrode placement is rarely achieved by laypersons when attaching AED electrodes to a human thorax. *Resuscitation*, 0(xxxx), pp.1–2. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29627397> [Accessed April 30, 2018]. **Use [LKS ASE](#) or check with your library.**
- Bray, J.E. et al., 2018. Oxygen titration after resuscitation from out-of-hospital cardiac arrest: a multi-centre, randomised controlled pilot study (the EXACT pilot trial). *Resuscitation*, 0(0). Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29684433> [Accessed April 30, 2018]. **Use [LKS ASE](#) or check with your library.**
- Brinkrolf, P. et al., 2018. Bystander-witnessed cardiac arrest is associated with reported agonal breathing and leads to less frequent bystander CPR. *Resuscitation*, 127, pp.114–118. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29679693> [Accessed April 30, 2018]. **Use [LKS ASE](#) or check with your library.**
- Champigneulle, B. et al., 2018. Major traumatic complications after out-of-hospital cardiac arrest: Insights from the Parisian registry. *Resuscitation*, 0(0). Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29698751> [Accessed April 30, 2018]. **Use [LKS ASE](#) or check with your library.**
- Djarv, T. et al., 2018. Traumatic cardiac arrest in Sweden 1990–2016 - a population-based national cohort study. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 26(1), p.30. Available at: <https://sjtrem.biomedcentral.com/articles/10.1186/s13049-018-0500-7> [Accessed April 30, 2018]. **Open Access**
- Gellerfors, M. et al., 2018. Pre-hospital advanced airway management by anaesthetist and nurse anaesthetist critical care teams: a prospective observational study of 2028 pre-hospital tracheal intubations. *British Journal of Anaesthesia*, 120(5), pp.1103–1109. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29661387> [Accessed April 30, 2018]. **Open Access**
- Izawa, J. et al., 2018. Timing of Advanced Airway Management by Emergency Medical Services Personnel Following Out-of-Hospital Cardiac Arrest: A Population-Based Cohort Study. *Resuscitation*, 128, pp.16–23. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29689354> [Accessed April 30, 2018]. **Use [LKS ASE](#) or check with your library.**
- Liu, J.-Z. et al., 2018. Why might ALS have negative effects on patients with out-of-hospital cardiac arrest? *The American Journal of Emergency Medicine*. Available at: <https://doi.org/10.1016/j.ajem.2018.04.023> [Accessed April 30, 2018]. **Use [LKS ASE](#) or check with your library.**
- Lockey, D.J. & Crewdson, K., 2018. Pre-hospital anaesthesia : no longer the “ poor relative ” of high quality in-hospital emergency airway management. *British Journal of Anaesthesia*, 120(5), pp.898–901. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29661406> [Accessed April 30, 2018]. **Use [LKS ASE](#) or check with your library.**
- Mathiesen, W.T. et al., 2018. Effects of modifiable prehospital factors on survival after out-of-hospital cardiac arrest in rural versus urban areas. *Critical Care*, 22(1), p.99. Available at: <https://ccforum.biomedcentral.com/articles/10.1186/s13054-018-2017-x> [Accessed April 30, 2018]. **Open Access**
- Nehme, Z. et al., 2018. Trends in the incidence and outcome of paediatric out-of-hospital cardiac arrest: a 17-year observational study. *Resuscitation*, 0(0). Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29704520> [Accessed April 30, 2018]. **Use [LKS ASE](#) or check with your library.**
- Owen, A.D.D. et al., 2018. Association of race and socioeconomic status with Automatic External Defibrillator training prevalence in the United States. *Resuscitation*, 127, pp.100–104. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29631005> [Accessed April 30, 2018]. **Use [LKS ASE](#) or check with your library.**

Sato, R. et al., 2018. Impact of rapid response car system on ECMO in out-of-hospital cardiac arrest: A retrospective cohort study. *The American journal of emergency medicine*, 36(3), pp.442–445. Available at: <https://doi.org/10.1016/j.ajem.2018.03.062> [Accessed April 30, 2018].

Sidebottom, D.B. et al., 2018. Saving lives with public access defibrillation: A deadly game of hide and seek. *Resuscitation*, 128(0), pp.93–96. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/29654802> [Accessed April 30, 2018]. Use [LKS ASE](#) or check with **your library**.

Vopelius-Feldt, J. von, 2017. 33 Systematic review of the effectiveness of prehospital critical care following out-of-hospital cardiac arrest. *Emergency Medicine Journal*, 34(12), pp.A883–A883. Available at: <http://emj.bmj.com/lookup/doi/10.1136/emered-2017-207308.33> [Accessed April 30, 2018]. **NHS Open Athens**.

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