



**Prehospital Emergency Services
Current Awareness Update
Issue 70, April 2019**

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

You will need a **SWASFT Athens account** to access resources
-register [here](#)

Need help accessing resources?

- email library.mailbox@nhs.net
- Visit <http://discoverylibrary.org/swasft>
- ring 01752 439111 (Mon-Fri 0830-1730) – lead library
- Visit your [local NHS library](#)

Prehospital Emergency Services Current Awareness Update – Issue 70, April 2019

With thanks to Matt Holland, LKS ASE 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:

[Prehospital Practitioners – Professional Development](#)

[Prehospital Research – Methods and Discussion](#)

[Diagnosis & Triage](#)

[Patient Profile](#)

[Helicopter Emergency Medical Services](#)

[On-Scene Interventions](#)

[Airway Management, Resuscitation & CPR](#)

Visit <http://discoverylibrary.org/swasft>
to see all the information resources available to you including:

- ebooks
- databases
- journals
- point of care tools
- apps

Alexander, A. B., Masters, M. M., & Warren, K. (2019). Caring for Infectious Disease in the Prehospital Setting: A Qualitative Analysis of EMS Providers Experiences and Suggestions for Improvement. *Prehospital Emergency Care*, 1–8.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Alsholm, L., Axelsson, C., Andersson Hagiwara, M., Niva, M., Claesson, L., Herlitz, J., ... Jood, K. (2019). Interrupted transport by the emergency medical service in stroke/transitory ischemic attack: A consequence of changed treatment routines in prehospital emergency care. *Brain and Behavior*, e01266.

Click [here](#) to access fulltext (free online as of 08/05/2019)

Backer, H. D., D’Arcy, N. T., Davis, A. J., Barton, B., & Sporer, K. A. (2019). Statewide Method of Measuring Ambulance Patient Offload Times. *Prehospital Emergency Care*, 23(3), 319–326.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Blanchard, I. E., Kozicky, R., Dalgarno, D., Simms, J., Goulder, S., Williamson, T. S., ... Lazarenko, G. (2019). Community paramedic point of care testing: validity and usability of two commercially available devices. *BMC Emergency Medicine*, 19(1), 30.

Click [here](#) to access fulltext (free online as of 08/05/2019)

Brunetti, N. D., Dell’Anno, A., Martone, A., Natale, E., Rizzon, B., Di Cillo, O., & Russo, A. (2019). Prehospital ECG transmission results in shorter door-to-wire time for STEMI patients in a remote mountainous region. *The American Journal of Emergency Medicine*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Caffrey, S. M., Barnes, L. C., & Olvera, D. J. (2019). Joint Position Statement on Degree Requirements for Paramedics. *Prehospital Emergency Care*, 23(3), 434–437.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Cash, R. E., Crowe, R. P., Bower, J. K., Foraker, R. E., & Panchal, A. R. (2019). Differences in Cardiovascular Health Metrics in Emergency Medical Technicians Compared to Paramedics: A Cross-Sectional Study of Emergency Medical Services Professionals. *Prehospital and Disaster Medicine*, 1–9.

Click [here](#) to access fulltext (free online as of 08/05/2019)

Cash, R. E., White-Mills, K., Crowe, R. P., Rivard, M. K., & Panchal, A. R. (2019). Workplace Incivility Among Nationally Certified EMS Professionals and Associations with Workforce-Reducing Factors and Organizational Culture. *Prehospital Emergency Care*, 23(3), 346–355.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Chikani, V., Blust, R., Vossbrink, A., Wightman, P., Bissell, S., Graw, J., ... Fisher, B. (2019). Improving the Continuum of Care by Bridging the Gap between Prehospital and Hospital Discharge Data through Stepwise Deterministic Linkage. *Prehospital Emergency Care*, 1–10.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Dorsam, J. M., Cornelius, S. R., McLean, J. B., Zarow, G. J., Walchak, A. C., Conley, S. P., & Roszko, P. J. D. (2019). Randomized Comparative Assessment of Three Surgical Cricothyrotomy Devices on Airway Mannequins. *Prehospital Emergency Care*, 23(3), 411–419.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Elkbuli, A., Dowd, B., Casin, A., Stotsenburg, M., Zitek, T., McKenney, M., & Boneva, D. (2019). Stop the bleed training outreach initiatives targeting high school students: It takes a community to save a life. *The American Journal of Emergency Medicine*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Galka, S., Berrell, J., Fezai, R., Shabella, L., Simpson, P., Thyer, L., & Thyer, L. (2019). Accuracy of student paramedics when measuring adult respiratory rate: a pilot study. *Australasian Journal of Paramedicine*, 16(0).

Click [here](#) to access fulltext (free online as of 08/05/2019)

Higashi, H., Takaku, R., Yamaoka, A., Lefor, A. K., & Shiga, T. (2019). The Dedicated Emergency Physician Model of emergency care is associated with reduced pre-hospital transportation time: A retrospective study with a nationwide database in Japan. *PLOS ONE*, 14(4), e0215231.

Click [here](#) to access fulltext (free online as of 08/05/2019)

Koski, A., & Sumanen, H. (2019). The risk factors Finnish paramedics recognize when performing emergency response driving. *Accident; Analysis and Prevention*, 125, 40–48.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Koskimies, E. M., Koskenniemi, J., & Leino-Kilpi, H. (2019). Patient's informational privacy in prehospital emergency care: Paramedics' perspective. *Nursing Ethics*, 096973301983497.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Kuek, A., & Hakkennes, S. (2019). Healthcare staff digital literacy levels and their attitudes towards information systems. *Health Informatics Journal*, 146045821983961.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Lane, D. J., Blanchard, I. E., Cheskes, S., Lazarenko, G., Lin, S., Morrison, L. J., ... Scales, D. C. (2019). A strategy to identify paramedic transported sepsis cases in an Emergency Department administrative database. *Prehospital Emergency Care*, 1–11.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Ohbe, H., Isogai, S., Nakajima, M., Jo, T., Matsui, H., Fushimi, K., & Yasunaga, H. (2019). Physician-manned prehospital emergency care in tertiary emergency centers in Japan. *Acute Medicine & Surgery*, 6(2), 165–172.

Click [here](#) to access fulltext (free online as of 08/05/2019)

Schütze, H., Rees, R., Asha, S., & Eagar, K. (2019). Development and evaluation of a code frame to identify potential primary care presentations in the hospital emergency department. *Emergency Medicine Australasia*, 1742-6723.13293.

Click [here](#) to access fulltext (free online as of 08/05/2019)

Strote, J., & A. Harper, R. (2019). Use of Emergency Medical Services by Police. *Prehospital Emergency Care*, 23(3), 327–331.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

van den Berg, P. L., Fiskerstrand, P., Aardal, K., Einerkjær, J., Thoresen, T., & Røislien, J. (2019). Improving ambulance coverage in a mixed urban-rural region in Norway using mathematical modeling. *PLOS ONE*, 14(4), e0215385.

Click [here](#) to access fulltext (free online as of 08/05/2019)

Vigil, N. H., Grant, A. R., Perez, O., Blust, R. N., Chikani, V., Vadeboncoeur, T. F., ... Bobrow, B. J. (2019). Death by Suicide—The EMS Profession Compared to the General Public. *Prehospital Emergency Care*, 23(3), 340–345.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Waldrop, D. P., McGinley, J. M., Dailey, M. W., & Clemency, B. (2019). Decision-Making in the Moments Before Death: Challenges in Prehospital Care. *Prehospital Emergency Care*, 23(3), 356–363.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Whiting, E. A., Costello, S., Williams, B., & Williams, B. (2019). Measuring trauma symptoms in paramedicine. *Australasian Journal of Paramedicine*, 16(0).

Click [here](#) to access fulltext (free online as of 08/05/2019)

Zègre-Hemsey, J. K., Asafu-Adjei, J., Fernandez, A., & Brice, J. (2019). Characteristics of Prehospital Electrocardiogram Use in North Carolina Using a Novel Linkage of Emergency Medical Services and Emergency Department Data. *Prehospital Emergency Care*, 1–8.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Prehospital Research – Methods and Discussion

Long, E., Craig, S., Babl, F. E., Tavender, E., & Lunny, C. (2019). Review article: A primer for clinical researchers in the emergency department: Part IX. How to conduct a systematic review in the field of emergency medicine. *Emergency Medicine Australasia*, 1742-6723.13298.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Diagnosis and Triage

*** SWASFT setting*** Scott, L. J., Redmond, N. M., Garrett, J., Whiting, P., Northstone, K., & Pullyblank, A. (2019). Distributions of the National Early Warning Score (NEWS) across a healthcare system following a large-scale roll-out. *Emergency Medicine Journal : EMJ*, 36(5), 287–292.

Click [here](#) to access fulltext (free online as of 08/05/2019)

Drews, J. D., Shi, J., Papandria, D., Wheeler, K. K., Sribnick, E. A., & Thakkar, R. K. (2019). Prehospital Versus Trauma Center Glasgow Coma Scale in Pediatric Traumatic Brain Injury Patients. *Journal of Surgical Research*, 241, 112–118.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Forristal, C., Van Aarsen, K., Columbus, M., Wei, J., Vogt, K., & Mal, S. (2019). Predictors of Hypothermia upon Trauma Center Arrival in Severe Trauma Patients Transported to Hospital via EMS. *Prehospital Emergency Care*, 1–8.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Freathy, S., Smith, G. B., Schoonhoven, L., & Westwood, G. (2019). The response to patient deterioration in the UK National Health Service - A survey of acute hospital policies. *Resuscitation*, 139, 152–158.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Gabrielli, S., Clarke, A., Morris, J., Eisman, H., Gravel, J., Enarson, P., ... Ben-Shoshan, M. (2019). Evaluation of pre-hospital management in a Canadian emergency department anaphylaxis cohort. *The Journal of Allergy and Clinical Immunology: In Practice*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Hansson, P., Andersson Hagiwara, M., Herlitz, J., Brink, P., & Wireklint Sundström, B. (2019). Prehospital assessment of suspected stroke and TIA : an observational study. *Acta Neurologica Scandinavica*, ane.13107.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Harada, M., Takahashi, T., Haga, Y., & Nishikawa, T. (2019). Comparative study on quick sequential organ failure assessment, systemic inflammatory response syndrome and the shock index in prehospital emergency patients: single-site retrospective study. *Acute Medicine & Surgery*, 6(2), 131–137.

Click [here](#) to access fulltext (free online as of 08/05/2019)

Hon, S., Gaona, S. D., Faul, M., Holmes, J. F., Nishijima, D. K., & Consortium, for the S. C. P. R. (2019). How Well Do EMS Providers Predict Intracranial Hemorrhage in Head-Injured Older Adults? *Prehospital Emergency Care*, 1–7.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Malycha, J., Farajidavar, N., Pimentel, M. A. F., Redfern, O., Clifton, D. A., Tarassenko, L., ... Watkinson, P. J. (2019). The effect of fractional inspired oxygen concentration on early warning score performance: A database analysis. *Resuscitation*, 139, 192–199.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Martín-Rodríguez, F., López-Izquierdo, R., Villamor, M. A. C., Vegas, C. del P., Benito, M. del P. D., Caballero, C. M. M., ... Baez, G. P. (2019). The Prognostic Value of Prehospital Blood Lactate Levels to Predict Early Mortality in Acute Cardiovascular Disease. *SHOCK*, 1.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

O'Donnell, S., Davies, F., Vardhan, M., & Nee, P. (2019). Could this be measles? *Emergency Medicine Journal : EMJ*, 36(5), 310–314.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

O'Driscoll, R., Bakerly, N., Murphy, P., & Turkington, P. (2019). NEWS2 needs to be tested in prospective trials involving patients with confirmed hypercapnia. *Resuscitation*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Pimentel, M. A. F., Smith, G. B., Redfern, O. C., Gerry, S., Collins, G. S., Malycha, J., ... Watkinson, P. J. (2019). Reply to: NEWS2 needs to be tested in prospective trials involving patients with confirmed hypercapnia. *Resuscitation*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Radowsky, J. S., DuBose, J. J., Scalea, T. M., Miller, C., Floccare, D. J., Sikorski, R. A., ... Galvagno, S. M. (2019). Handheld Tissue Oximetry for the Prehospital Detection of Shock and Need for Lifesaving Interventions: Technology in Search of an Indication? *Air Medical Journal*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Sinclair, J. E., Austin, M., Froats, M., Leduc, S., Maloney, J., Dionne, R., ... Vaillancourt, C. (2019). Characteristics, Prehospital Management, and Outcomes in Patients Assessed for Hypoglycemia: Repeat Access to Prehospital or Emergency Care. *Prehospital Emergency Care*, 23(3), 364–376.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Sjösten, O., Nilsson, J., Herlitz, J., Axelsson, C., Jiménez-Herrera, M., & Andersson Hagiwara, M. (2019). The prehospital assessment of patients with a final hospital diagnosis of sepsis: Results of an observational study. *Australasian Emergency Care*.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Thorn, S., Tonglet, M., Maegele, M., Gruen, R., & Mitra, B. (2019). Validation of the COAST score for predicting acute traumatic coagulopathy: A retrospective single-centre cohort study. *Trauma*, 146040861983818.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Tsou, Y.-J., Lan, K.-P., & Fan, J.-S. (2019). Relationship Between Changes in Prehospital Blood Pressure and Early Neurological Deterioration in Spontaneous Intracerebral Hemorrhage. *Advanced Emergency Nursing Journal*, 41(2), 163–171.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Patient Profile

Birmingham, L. E., Cheruvu, V. K., Frey, J. A., Stiffler, K. A., & VanGeest, J. (2019). Distinct subgroups of emergency department frequent users: A latent class analysis. *The American Journal of Emergency Medicine*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Cheung, V., McCarthy, M. L., Cicero, M. X., Leventhal, J. M., & Weitzman, C. (2019). Emergency Medical Responders and Adolescents With Autism Spectrum Disorder. *Pediatric Emergency Care*, 35(4), 273–277.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Hanning, J., Walker, K. J., Horrigan, D., Levinson, M., & Mills, A. (2019). Review article: Goals-of-care discussions for adult patients nearing end of life in emergency departments: A systematic review. *Emergency Medicine Australasia*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Iovan, S., Lantz, P. M., Allan, K., & Abir, M. (2019). Interventions to Decrease Use in Prehospital and Emergency Care Settings Among Super-Utilizers in the United States: A Systematic Review. *Medical Care Research and Review*, 107755871984572.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Søvsø, M. B., Kløjgaard, T. A., Hansen, P. A., & Christensen, E. F. (2019). Repeated ambulance use is associated with chronic diseases - a population-based historic cohort study of patients' symptoms and diagnoses. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27(1), 46.

Click [here](#) to access fulltext (free online as of 08/05/2019)

Helicopter Emergency Medical Services

Cover, M., Tafoya, C., Long, B., Cranford, J., Burkhardt, J., Huang, R., ... Kessler, R. (2019). Creation of a Flight Nurse Critical Care Ultrasound Program. *Air Medical Journal*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Hanley, P., Holden, J., Johnson, T., Garner, A., & Weatherall, A. (2019). Two cases of penetrating left ventricular cardiac trauma: Pre-hospital ultrasound and direct to theatre. *Trauma Case Reports*, 21, 100189.

Click [here](#) to access fulltext (free online as of 08/05/2019)

Hoffman, D. V., Figueroa, A., Shaw, M., & McAllister, P. (2019). The Efficacy of Chest Compressions in the Bell 407. *Air Medical Journal*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Nolan, B., Tien, H., Sawadsky, B., Haas, B., Saskin, R., Ahghari, M., & Nathens, A. (2019). Risk factors for non-optimal resource utilization for emergent interfacility transfers by air ambulance in Ontario. *Prehospital Emergency Care*, 1–11.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

On-Scene Interventions

Alhelaly, M. M., Soliman, A. M., Khaled, A., Ellotf, H., Attia, M. M., & Elmaraezy, A. (2019). Efficacy of tranexamic acid in traumatic brain injury: Updated systematic review and meta-analysis. *Trauma*, 146040861984273.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Chaganti, P., Gordon, I., Chao, J. H., & Zehtabchi, S. (2019). A systematic review of foam dressings for partial thickness burns. *The American Journal of Emergency Medicine*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Chawla, L. S., Ostermann, M., Forni, L., & Tidmarsh, G. F. (2019). Broad spectrum vasopressors: a new approach to the initial management of septic shock? *Critical Care*, 23(1), 124.

Click [here](#) to access fulltext (free online as of 08/05/2019)

El-Menyar, A., Sathian, B., Wahlen, B. M., Abdelrahman, H., Peralta, R., Al-Thani, H., & Rizoli, S. (2019). Prehospital administration of tranexamic acid in trauma patients: A 1:1 matched comparative study from a level 1 trauma center. *The American Journal of Emergency Medicine*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Fouche, P. F., Stein, C., Jennings, P. A., Boyle, M., Bernard, S., & Smith, K. (2019). Review article: Emergency endotracheal intubation in non-traumatic brain pathologies: A systematic review and meta-analysis. *Emergency Medicine Australasia*, 1742-6723.13304.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Gilbert, B. W., Reynolds, T., Huffman, J. B., & Hall, K. (2019). Strategies for Reversal of Warfarin Following Acute Bleed. *Journal of Emergency Nursing*, 45(3), 327–328.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Goolsby, C., Rojas, L., Moore, K., Kretz, E., Singletary, E., Klimczak, V., & Charlton, N. (2019). Layperson Ability and Willingness to Use Hemostatic Dressings: A Randomized, Controlled Trial. *Prehospital Emergency Care*, 1–7.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Gottlieb, M., Koyfman, A., & Long, B. (2019). Tranexamic Acid for the Treatment of Epistaxis. *Academic Emergency Medicine*, acem.13760.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Gueret, G., Benardeau, S., Binet, A., & Laffon, M. (2019). Limits of cerebral near infrared spectroscopy monitoring during pre-hospital anaesthesia. *Acta Anaesthesiologica Scandinavica*, aas.13374.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Guyette, F. X., Sperry, J. L., Peitzman, A. B., Billiar, T. R., Daley, B. J., Miller, R. S., ... Brown, J. B. (2019). Prehospital Blood Product and Crystalloid Resuscitation in the Severely Injured Patient. *Annals of Surgery*, 1.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Guyette, F. X., Martin-Gill, C., Galli, G., McQuaid, N., & Elmer, J. (2019). Bolus Dose Epinephrine Improves Blood Pressure but is Associated with Increased Mortality in Critical Care Transport. *Prehospital Emergency Care*, 1–8.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

How, R. A., Glaser, J. J., Schaub, L. J., Fryer, D. M., Ozuna, K. M., Morgan, C. G., ... Cardin, S. (2019). Pre-hospital adenosine, lidocaine and magnesium has inferior survival compared to tactical combat casualty care resuscitation in a porcine model of prolonged hemorrhagic shock. *Journal of Trauma and Acute Care Surgery*, 1.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Işık, G. Ç., Demirci, O. L., Çorbacioğlu, Ş. K., & Çevik, Y. (2019). Effects of 20-degree spinal immobilization on respiratory functions in otherwise healthy volunteers with android-type obesity. *The American Journal of Emergency Medicine*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Kim, T. H., Song, K. J., Shin, S. Do, Ro, Y. S., Hong, K. J., & Park, J. H. (2019). Effect of Specialized Critical Care Transport Unit on Short-Term Mortality of Critically Ill Patients Undergoing Interhospital Transport. *Prehospital Emergency Care*, 1–13.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Lack, W., Seymour, R., Bickers, A., Studnek, J., & Karunakar, M. (2019). Prehospital Antibiotic Prophylaxis for Open Fractures: Practicality and Safety. *Prehospital Emergency Care*, 23(3), 385–388.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Littmann, L., Olson, E. G., & Gibbs, M. A. (2019). Initial evaluation and management of wide-complex tachycardia: A simplified and practical approach. *The American Journal of Emergency Medicine*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Lyng, J. W., White, C. C., Peterson, T. Q., Lako-Adamson, H., Goodloe, J. M., Dailey, M. W., ... Brown, L. H. (2019). Non-Auto-Injector Epinephrine Administration by Basic Life Support Providers: A Literature Review and Consensus Process. *Prehospital Emergency Care*, 1–7.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Montoneri, G., Noto, P., Trovato, F. M., Mangano, G., Malatino, L., & Carpinteri, G. (2019). Outcomes of non-invasive ventilation in “very old” patients with acute respiratory failure: a retrospective study. *Emergency Medicine Journal : EMJ*, 36(5), 303–305.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Nausheen, F., Niknafs, N. P., MacLean, D. J., Olvera, D. J., Wolfe, A. C., Pennington, T. W., & Davis, D. P. (2019). The HEAVEN criteria predict laryngoscopic view and intubation success for both direct and video laryngoscopy: a cohort analysis. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27(1), 50.

Click [here](#) to access fulltext (free online as of 08/05/2019)

Nawrocki, P. S., Levy, M., Tang, N., Trautman, S., & Margolis, A. (2019). Interfacility Transport of the Pregnant Patient: A 5-year Retrospective Review of a Single Critical Care Transport Program. *Prehospital Emergency Care*, 23(3), 377–384.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Raitt, J., Hudgell, J., Knott, H., & Masud, S. (2019). Key performance indicators for pre hospital emergency Anaesthesia - a suggested approach for implementation. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27(1), 42.

Click [here](#) to access fulltext (free online as of 08/05/2019)

Rodriguez, A., Hunter, C. L., Premuroso, C., Silvestri, S., Stone, A., Miller, S., ... Papa, L. (2019). Safety and Efficacy of Prehospital Diltiazem for Atrial Fibrillation with Rapid Ventricular Response. *Prehospital and Disaster Medicine*, 1–6.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Terboven, T., Leonhard, G., Wessel, L., Viergutz, T., Rudolph, M., Schöler, M., ... Haubenreisser, H. (2019). Chest wall thickness and depth to vital structures in paediatric patients – implications for prehospital needle decompression of tension pneumothorax. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27(1), 45.

Click [here](#) to access fulltext (free online as of 08/05/2019)

Varjoranta, T., Raatiniemi, L., Majamaa, K., Martikainen, M., & Liisanantti, J. H. (2019). Prehospital and hospital delays for stroke patients treated with thrombolysis: A retrospective study from mixed rural–urban area in Northern Finland. *Australasian Emergency Care*.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Airway Management, Resuscitation & CPR

Assarroudi, A., Heshmati Nabavi, F., & Ebadi, A. (2019). Motivation for cardiopulmonary resuscitation: Scale development and psychometric analysis. *International Emergency Nursing*.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Barnard, E. B. G., Sandbach, D. D., Nicholls, T. L., Wilson, A. W., & Ercole, A. (2019). Prehospital determinants of successful resuscitation after traumatic and non-traumatic out-of-hospital cardiac arrest. *Emergency Medicine Journal*, emermed-2018-208165.

Click [here](#) to access fulltext (free online as of 08/05/2019)

Benoit, J. L., McMullan, J. T., Wang, H. E., Xie, C., Xu, P., Hart, K. W., ... Lindsell, C. J. (2019). Timing of Advanced Airway Placement after Witnessed Out-of-Hospital Cardiac Arrest. *Prehospital Emergency Care*, 1–9.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Bray, J. E., Smith, K., Hein, C., Finn, J., Stephenson, M., Cameron, P., ... EXACT investigators. (2019). The EXACT protocol: A multi-centre, single-blind, randomised, parallel-group, controlled trial to determine whether early oxygen titration improves survival to hospital discharge in adult OHCA patients. *Resuscitation*, 139, 208–213.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Burnett, A. M., Frascone, R. J., Brechtken, J., Warren, D., Roach, B., & Zinkel, A. R. (2019). A Case of Neurologically Intact Survival after 2 hours and 50 minutes of Euthermic Cardiac Arrest Treated with Mechanical CPR and Intra-arrest Percutaneous Coronary Intervention. *Prehospital Emergency Care*, 23(3), 430–433.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Cheskes, S., Wudwud, A., Turner, L., McLeod, S., Summers, J., Morrison, L. J., & Verbeek, P. R. (2019). The impact of double sequential external defibrillation on termination of refractory ventricular fibrillation during out-of-hospital cardiac arrest. *Resuscitation*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Cmorej, P., Smrzova, E., Peran, D., & Bulikova, T. (2019). CPR Induced Inappropriate Shocks from a Subcutaneous Implantable Cardioverter Defibrillator during Out-of-Hospital Cardiac Arrest. *Prehospital Emergency Care*, 1–5.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Cockrell, K. R., Reed, B., Wilson, L., & Wilson, L. (2019). Rural paramedics' capacity for utilising a salutogenic approach to healthcare delivery: a literature review. *Australasian Journal of Paramedicine*, 16(0).

Click [here](#) to access fulltext (free online as of 08/05/2019)

Coggins, A. R., Nottingham, C., Byth, K., Ho, K. R., Aulia, F. A., Murphy, M., ... Moore, N. (2019). Randomised controlled trial of simulation-based education for mechanical cardiopulmonary resuscitation training. *Emergency Medicine Journal : EMJ*, 36(5), 266–272.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Elfwén, L., Lagedal, R., Nordberg, P., James, S., Oldgren, J., Böhm, F., ... Svensson, L. (2019). Direct or subacute coronary angiography in out-of-hospital cardiac arrest (DISCO)-An initial pilot-study of a randomized clinical trial. *Resuscitation*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Eloa, A., Aramendi, E., Irusta, U., Alonso, E., Lu, Y., Chang, M. P., ... Idris, A. H. (2019). Capnography: A support tool for the detection of return of spontaneous circulation in out-of-hospital cardiac arrest. *Resuscitation*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Fitzgibbon, J. B., Lovallo, E., Escajeda, J., Radomski, M. A., & Martin-Gill, C. (2019). Feasibility of Out-of-Hospital Cardiac Arrest Ultrasound by EMS Physicians. *Prehospital Emergency Care*, 23(3), 297–303.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Gamberini, L., Giugni, A., Ranieri, S., Meconi, T., Coniglio, C., Gordini, G., & Bardi, T. (2019). Early-Onset Ventilator-Associated Pneumonia in Severe Traumatic Brain Injury: is There a Relationship with Prehospital Airway Management? *The Journal of Emergency Medicine*.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Gheibati, F., Heidarzadeh, M., Shamshiri, M., Sadeghpour, F., & Sadeghpour, F. (2019). Effects of 'rescuer' rotating time on the quality of chest compressions: 1-minute vs. 2-minute intervals. *Australasian Journal of Paramedicine*, 16(0).

Click [here](#) to access fulltext (free online as of 08/05/2019)

Granfeldt, A., Avis, S. R., Nicholson, T. C., Holmberg, M. J., Moskowitz, A., Coker, A., ... Nolan, J. P. (2019). Advanced airway management during adult cardiac arrest: A systematic review. *Resuscitation*, 139, 133–143.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Kao, C.-C., Yen, D. H.-T., & Lee, Y.-T. (2019). Hiccups as the only symptom of acute myocardial infarction. *The American Journal of Emergency Medicine*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Kim, T. H., Hong, K. J., Shin, S. Do, Lee, J. C., Choi, D. S., Chang, I., ... Song, K. J. (2019). Effect of endotracheal intubation and supraglottic airway device placement during cardiopulmonary resuscitation on carotid blood flow over resuscitation time: An experimental porcine cardiac arrest study. *Resuscitation*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Kobayashi, D., Kitamura, T., Kiyohara, K., Nishiyama, C., Hayashida, S., Matsuyama, T., ... Iwami, T. (2019). Cardiopulmonary resuscitation performed by off-duty medical professionals versus laypersons and survival from out-of-hospital cardiac arrest among adult patients. *Resuscitation*, 135, 66–72.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Koller, A. C., Salcido, D. D., Lawrence, G. L., & Menegazzi, J. J. (2019). Automated External Defibrillator Shock Advisement Discordance Among Multiple Electrocardiographic Rhythms and Devices: A Preliminary Report. *Prehospital Emergency Care*, 1.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Leary, M., McGovern, S. K., Chaudhary, Z., Patel, J., Abella, B. S., & Blewer, A. L. (2019). Comparing bystander response to a sudden cardiac arrest using a virtual reality CPR training mobile app versus a standard CPR training mobile app. *Resuscitation*, 139, 167–173.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Morrison, L. J. (2019). Prehospital termination of resuscitation rule. *Current Opinion in Critical Care*, 25(3), 199–203.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Neves Briard, J., Grou-Boileau, F., El Bashtaly, A., Spenard, C., de Champlain, F., & Homier, V. (2019). Automated External Defibrillator Geolocalization with a Mobile Application, Verbal Assistance or No Assistance: A Pilot Randomized Simulation (AED G-MAP). *Prehospital Emergency Care*, 23(3), 420–429.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Sanfridsson, J., Sparrevik, J., Hollenberg, J., Nordberg, P., Djärv, T., Ringh, M., ... Claesson, A. (2019). Drone delivery of an automated external defibrillator – a mixed method simulation study of bystander experience. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27(1), 40.

Click [here](#) to access fulltext (free online as of 08/05/2019)

Shuvy, M., Koh, M., Qiu, F., Brooks, S. C., Chan, T. C. Y., Cheskes, S., ... Ko, D. T. (2019). Health care utilization prior to out-of-hospital cardiac arrest: A population-based study. *Resuscitation*, 0(0).

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Sigal, A. P., Sandel, K. M., Buckler, D. G., Wasser, T., & Abella, B. S. (2019). Impact of adrenaline dose and timing on out-of-hospital cardiac arrest survival and neurological outcomes. *Resuscitation*, 139, 182–188.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Stephens, R. J., Siegler, J. E., & Fuller, B. M. (2019). Mechanical Ventilation in the Prehospital and Emergency Department Environment. *Respiratory Care*, 64(5), 595–603.

Click [here](#) to access abstract, email library.mailbox@nhs.net to request fulltext

Stifkens, F., Dami, F., Feiner, A.-S., Dubois, M., & Pasquier, M. (2019). Prehospital Simple Thoracostomy for Traumatic Cardiac Arrest: Does the Cardiac Arrest Rhythm Matter? *The Journal of Emergency Medicine*, 56(4), 457.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Teague, W. J., Amarakone, K. V., & Quinn, N. (2019). Rule of 4's: Safe and effective pleural decompression and chest drain insertion in severely injured children. *Emergency Medicine Australasia*, 1742-6723.13299.

Click [here](#) to access fulltext- SWASFT Athens required (register [here](#)). Click [here](#) to access free abstract

Żurowska-Wolak, M., Piekos, P., Jąkała, J., & Mikos, M. (2019). The effects of prehospital system delays on the treatment efficacy of STEMI patients. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 27(1), 39.

Click [here](#) to access fulltext (free online as of 08/05/2019)

Visit <http://discoverylibrary.org/swasft>
to see all the information resources available to you including:

- ebooks
- databases
- journals
- point of care tools
- apps

Feedback to

library.mailbox@nhs.net

Discovery Library, Derriford Hospital, Plymouth- lead library for SWASFT