



**Prehospital Emergency Services
Current Awareness Update
Issue 79, January 2020**

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 SCAS staff

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

Need help accessing resources?

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

Prehospital Emergency Services Current Awareness Update – Issue 79, January 2020

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](#)

[Further Research Needed](#)

[New ebooks and other resources](#)

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

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

Croskerry, P. (2019). Becoming Less Wrong (and More Rational) in Clinical Decisionmaking. *Annals of Emergency Medicine*, 75(2), 218-220.

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

Dworkis, D., Axeen, S., & Arora, S. (2020). Rubber Meeting the Road: Access to Comprehensive Stroke Care in the Face of Traffic. (P. Panagos, Ed.) *Academic Emergency Medicine*, acem.13909.

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

Homma, P., de Graaf, C., Tan, H., Hulleman, M., Koster, R., Beesems, S., & Blom, M. (2020). Transfer of Essential AED information to Treating hospital (TREAT). *Resuscitation*, 0(0).

Click [here](#) to access fulltext (free online as of 24/02/2020)

Leemeyer, A., Van Lieshout, E., Bouwens, M., Breeman, W., Verhofstad, M., & Van Vledder, M. (2020). Decision making in prehospital traumatic cardiac arrest; A qualitative study. *Injury*.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Liu, R., Chaudhary, N., Yealy, D., Huang, D., & Wang, H. (2020, 1 23). Emergency Medical Services Care and Sepsis Trajectories. *Prehospital Emergency Care*, 1-8.

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

McDonald, N., Kriellaars, D., Weldon, E., & Pryce, R. (2020). Head-neck motion in prehospital trauma patients under spinal motion restriction: a pilot study. *Prehospital Emergency Care*, 1-12.

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

MAO, X., LOKE, A., & HU, X. (2020). Developing a tool for measuring the disaster resilience of healthcare rescuers: a modified Delphi study. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 28(1), 4.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Mix, F., Myers, L., Luke, A., & Sztajnkrzyer, M. (2020). A Descriptive Analysis of Pediatric Prehospital Refusal of Medical Assistance Within a Single Service Provider System. *Pediatric Emergency Care*, 36(1), 26-30.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

Roy, D., Weyman, A., & Nolan, P. (2020). Self-preservation comes at a cost: Why British National Health Service paramedics might be choosing a healthier, but poorer, retirement. *SAGE Open Medicine*, 8, 205031212090154.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Shah, N., Hert, K., & Klasner, A. (2020). Increasing Comfort with Sensory Processing Difficulties in the Prehospital Setting: Pre-Post Study of Education and Sensory Tools in EMS Providers. *Southern Medical Journal*, 113(2), 59-63.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

Staib, A., & Hugman, A. (2020). The SNOMED dilemma: How to use it, not whether to use it. *Emergency Medicine Australasia*, 1742-6723.13465.

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

Surgenor, L., Snell, D., & Dorahy, M. (2020). Factors associated with psychiatric morbidity, post-traumatic stress disorder and post-traumatic growth in paramedic first responders: The role of core beliefs. *Australasian Journal of Paramedicine*, 17(1).

Click [here](#) to access fulltext (free online as of 24/02/2020)

Prehospital Research – Methods and Discussion

Kim, H., Courtney, D., McCarthy, D., & Cella, D. (2020). Patient-reported Outcome Measures in Emergency Care Research: A Primer for Researchers, Peer Reviewers, and Readers. (C. Newgard, Ed.) *Academic Emergency Medicine*, acem.13918.

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

Kirby, K., Brandling, J., Robinson, M., Thomas, M., Voss, S., & Bengner, J. (2020). The experiences of EMS providers taking part in a large randomised trial of airway management during out of hospital cardiac arrest, and the impact on their views and practice. Results of a survey and telephone interviews. *Resuscitation*, 149, 1-9.

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

Lubman, D., Matthews, S., Heilbronn, C., Killian, J., Ogeil, R., Lloyd, B., . . . Scott, D. (2020). The national ambulance surveillance system: A novel method for monitoring acute alcohol, illicit and pharmaceutical drug related-harms using coded Australian ambulance clinical records. *PLoS ONE*, 15(1), e0228316.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Keefe, B., Carolan, K., Wint, A., Goudreau, M., Scott Cluett, W., & Iezzoni, L. (2020). Behavioral Health Emergencies Encountered by Community Paramedics: Lessons from the Field and Opportunities for Skills Advancement. *Journal of Behavioral Health Services and Research*.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

O'Donnell, S., Carison, A., Adams, J., Long, E., & Babl, F. (2020). Delphi assessment of audit and research priorities in an emergency department. *Emergency Medicine Australasia*, 1742-6723.13453.

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

Ryan, E., Stallard, N., Lall, R., Ji, C., Perkins, G., & Gates, S. (2020). Bayesian group sequential designs for phase III emergency medicine trials: a case study using the PARAMEDIC2 trial. *Trials*, 21(1), 84

Click [here](#) to access fulltext (free online as of 24/02/2020)

Tignanelli, C., Silverman, G., Lindemann, E., Trembley, A., Gipson, J., Beilman, G., . . . Melton, G. (2020). Natural Language Processing of Prehospital Emergency Medical Services Trauma Records Allows for Automated Characterization of Treatment Appropriateness. *Journal of Trauma and Acute Care Surgery*, 1.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

Tonnerre, E., Smith, J., Spencer, W., Date, P., & Taylor, D. (2020). Patient perceptions of participation in emergency medicine research projects. *Emergency Medicine Australasia*, 1742-6723.13455.

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

Varghese, M. (2020). Prehospital trauma care evolution, practice and controversies: need for a review. *International Journal of Injury Control and Safety Promotion*, 27(1), 69-82.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

Crowe, R., Myers, J., Fernandez, A., Bourn, S., & McMullan, J. (2020). The Cincinnati Prehospital Stroke Scale Compared to Stroke Severity Tools for Large Vessel Occlusion Stroke Prediction. *Prehospital Emergency Care*, 1-15.

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

Duceau, B., Alsac, J.-M., Bellenfant, F., Mailloux, A., Champigneulle, B., Favé, G., . . . Pirracchio, R. (2020). Prehospital triage of acute aortic syndrome using a machine learning algorithm. *British Journal of Surgery*.

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

Fouche, P., Jennings, P., Boyle, M., Bernard, S., & Smith, K. (2020). The utility of the brain trauma evidence to inform paramedic rapid sequence intubation in out-of-hospital stroke. *BMC Emergency Medicine*, 20(1), 1-10.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Gandhi, G., Claiborne, M., Gross, T., Sussman, B., Davenport, K., & Bulloch, B. (2020). Comparison of Prehospital Calculated Age-Adjusted Pediatric Shock Index (SIPA) to Those Calculated in the ED for Identifying Trauma Patients That Needed the Highest-Level Activation Based on Consensus Criteria. *Prehospital Emergency Care*, 1-5.

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

Hilarius, K., Skippen, P., & Kissoon, N. (2020). Early Recognition and Emergency Treatment of Sepsis and Septic Shock in Children. *Pediatric Emergency Care*, 36(2), 101-106.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

Hill, J., Gothard, D., & McLean, M. (2019). Prehospital Blood Glucose Testing as a Predictor of Impending Hypotension in Adult Trauma Patients. *Air Medical Journal*, 39(1), 20-23.

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

Lemoine, S., Jost, D., Derkenne, C., & Prunet, B. (2020). Defining Inclusion Criteria for the Prehospital Administration of Lyophilized Plasma in Urban Civilian Pediatric Trauma. *Journal of Trauma and Acute Care Surgery*, 1.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

Rigor, J., Rueff Rato, I., Ferreira, P., Pereira, R., Ribeiro, C., Teixeira, D., . . . Martins-Mendes, D. (2020). Prehospital Anticholinergic Burden Is Associated With Delirium but Not With Mortality in a Population of Acutely Ill Medical Patients. *Journal of the American Medical Directors Association*.

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

Ramgopal, S., McCans, K., Martin-Gill, C., & Owusu-Ansah, S. (2020). Variation in Prehospital Protocols for Pediatric Seizure Within the United States. *Pediatric Emergency Care*, 1.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

Rodríguez-Pardo, J., Riera-López, N., Fuentes, B., Alonso de Leciñana, M., Secades-García, S., Álvarez-Fraga, J., . . . Madrid Stroke Network Study Group. (2020). Prehospital selection of thrombectomy candidates beyond large vessel occlusion: M-DIRECT scale. *Neurology*.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

Sauneuf, B., Dupeyrat, J., Souloy, X., Leclerc, M., Courteille, B., Canoville, B., . . . Daubin, C. (2020). The CAHP (cardiac arrest hospital prognosis) score: A tool for risk stratification after out-of-hospital cardiac arrest in elderly patients. *Resuscitation*, 148, 200-206.

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

Schwamm, L., & Ntaios, G. (2020). Short cuts make long delays: Getting it right from the start in prehospital stroke triage. *Neurology*.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

Segal, E., Ross, D., Proulx, M., Xue, X., & Vacon, C. (2020). Derivation and validation of the Montreal prehospital ST-elevation myocardial infarction activation rule. *Journal of Electrocardiology*, 59, 10-16.

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

Shkirkova, K., Schuberg, S., Balouzian, E., Starkman, S., Eckstein, M., Stratton, S., . . . Sanossian, N. (2020). Paramedic Global Impression of Change During Prehospital Evaluation and Transport for Acute Stroke. *Stroke*, STROKEAHA119026392.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

van der Sluijs, R., Lokerman, R., Waalwijk, J., de Jongh, M., Edwards, M., den Hartog, D., . . . Sturms, L. (2020). Accuracy of pre-hospital trauma triage and field triage decision rules in children (P2-T2 study): an observational study. *The Lancet Child & Adolescent Health*.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

Wibring, K., Magnusson, C., Axelsson, C., Lundgren, P., Herlitz, J., & Andersson Hagiwara, M. (2020). Towards definitions of time-sensitive conditions in prehospital care. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 28(1), 7.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Uribe-Leitz, T., Jarman, M., Sturgeon, D., Harlow, A., Lipsitz, S., Cooper, Z., . . . Haider, A. (2019). National Study of Triage and Access to Trauma Centers for Older Adults. *Annals of Emergency Medicine*, 75(2), 125-135.

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

Patient Profile

Hardwick, K., & Bellew, M. (2020). Admission to a UK Major Trauma Centre following deliberate self-harm and attempted suicide: Prevalence and outcomes. *Trauma*, 146040861989959.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

Hiti, E., Tamim, H., Makki, M., Geha, M., Kaddoura, R., & Obermeyer, Z. (2019). Characteristics and determinants of high-risk unscheduled return visits to the emergency department. *Emergency Medicine Journal*, 37(2), 79-84.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Magnusson, C., Herlitz, J., & Axelsson, C. (2020). Patient characteristics, triage utilisation, level of care, and outcomes in an unselected adult patient population seen by the emergency medical services: a prospective observational study. *BMC Emergency Medicine*, 20(1), 7.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Mercier, É., Nadeau, A., Brousseau, A., Émond, M., Lowthian, J., Berthelot, S., . . . Cameron, P. (2020). Elder Abuse in the Out-of-Hospital and Emergency Department Settings: A Scoping Review. *Annals of Emergency Medicine*, 75(2), 181-191.

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

Shenvi, C., Kennedy, M., Austin, C., Wilson, M., Gerardi, M., & Schneider, S. (2019). Managing Delirium and Agitation in the Older Emergency Department Patient: The ADEPT Tool. *Annals of Emergency Medicine*, 75(2), 136-145.

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

Stopyra, J., Snavely, A., Scheidler, J., Smith, L., Nelson, R., Winslow, J., . . . Mahler, S. (2020). Point-of-Care Troponin Testing During Ambulance Transport to Detect Acute Myocardial Infarction. *Prehospital Emergency Care*, 1-13.

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

Wong, C., O’Rielly, C., Teitge, B., Sutherland, R., Farquharson, S., Ghosh, M., . . . Lang, E. (2020). The characteristics and effectiveness of interventions for frequent emergency department utilizing patients with chronic non-cancer pain: A systematic review. *Academic Emergency Medicine*, acem.13934.

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

Helicopter Emergency Medical Services

Garwood, J., Wilkinson, B., Bartholomew, H., Langford, S., & O’Connell, A. (2019). Air Ambulance and Emergency Retrieval Services in Western Australia: Caseload Analysis Over 5 Years. *Air Medical Journal*, 39(1), 35-43.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Howie, W., Scott-Herring, M., Pollak, A., & Galvagno, S. (2019). Advanced Prehospital Trauma Resuscitation With a Physician and Certified Registered Nurse Anesthetist: The Shock Trauma “Go-Team”. *Air Medical Journal*, 39(1), 51-55.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Risgaard, B., Draegert, C., Baekgaard, J., Steinmetz, J., & Rasmussen, L. (2020, 1 17). Impact of Physician-staffed Helicopters on Pre-hospital Patient Outcomes: a systematic review. *Acta Anaesthesiologica Scandinavica*.

Click [here](#) to access fulltext (free online as of 24/02/2020)

On-Scene Interventions

SCAS authors Nolan, J., Deakin, C., Ji, C., Gates, S., Rosser, A., Lall, R., & Perkins, G. (2020). Intraosseous versus intravenous administration of adrenaline in patients with out-of-hospital cardiac arrest: a secondary analysis of the PARAMEDIC2 placebo-controlled trial. *Intensive Care Medicine*.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

Ashburn, N., Ryder, C., Angi, R., Snavely, A., Nelson, R., Bozeman, W., . . . Stopyra, J. (2020). One-Year Mortality and Associated Factors in Patients Receiving Out-of-Hospital Naloxone for Presumed Opioid Overdose. *Annals of Emergency Medicine*. 0.

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

Douma, M., Aves, T., Allan, K., Bendall, J., Berry, D., Chang, W.-T., . . . Woodin, J. (2020). First aid cooling techniques for heat stroke and exertional hyperthermia: A systematic review and meta-analysis. *Resuscitation*, *148*, 173-190.

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

Glaser, J., & Cardin, S. (2020). Prehospital adenosine, lidocaine, and magnesium has inferior survival compared with tactical combat casualty care resuscitation in a porcine model of prolonged hemorrhagic shock. *The journal of trauma and acute care surgery*, *88*(2), e105-e106.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

Hawkins, R., Raymond, S., Hamann, H., Taylor, J., Mustafa, M., Islam, S., & Larson, S. (2020). Outcomes After Prehospital Endotracheal Intubation in Suburban/Rural Pediatric Trauma. *Journal of Surgical Research*, *249*, 138-144.

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

Ho, A., & Ong, M. (2020). Remote Ischemic Conditioning in Acute Myocardial Infarction—Implications of the CONDI-2/ERIC-PPCI Trial for Prehospital and Emergency Medicine. *Prehospital Emergency Care*.

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

Holm, A., Kirkegaard, H., Taccone, F., Søreide, E., Grejs, A., Duez, C., . . . Skrifvars, M. (2020). Cold fluids for induction of targeted temperature management: A sub-study of the TTH48 trial. *Resuscitation*, *148*, 90-97.

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

Jouffroy, R., & Vivien, B. (2020). Implementation of earlier antibiotic administration in patients with severe sepsis and septic shock in Japan: antibiotic action needs time and tissue perfusion to reach target. *Critical care (London, England)*, *24*(1), 17.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Keijzers, G., Macdonald, S., Udy, A., Arendts, G., Bailey, M., Bellomo, R., . . . Williams, P. (2020). The Australasian Resuscitation In Sepsis Evaluation: Fluids or vasopressors in emergency department sepsis (ARISE FLUIDS), a multi-centre observational study describing current practice in Australia and New Zealand. *Emergency Medicine Australasia*, 1742-6723.13469.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Kopsaftis, Z., Carson-Chahhoud, K., Austin, M., & Wood-Baker, R. (2020). Oxygen therapy in the pre-hospital setting for acute exacerbations of chronic obstructive pulmonary disease. *Cochrane Database of Systematic Reviews*, 2020(1).

Click [here](#) to access fulltext (free online as of 24/02/2020)

Kim, H. (2020). It is time to focus on pre-hospital delays in patients with st-segment elevation myocardial infarction. *Korean Journal of Internal Medicine*, *35*(1), 60-61.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Maddock, A., Corfield, A., Donald, M., Lyon, R., Sinclair, N., Fitzpatrick, D., . . . Hearn, S. (2020). Prehospital critical care is associated with increased survival in adult trauma patients in Scotland. *Emergency Medicine Journal*, emermed-2019-208458.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Matsuyama, T., Komukai, S., Izawa, J., Gibo, K., Okubo, M., Kiyohara, K., . . . Kitamura, T. (2020). Pre-Hospital Administration of Epinephrine in Pediatric Patients With Out-of-Hospital Cardiac Arrest. *Journal of the American College of Cardiology*, 75(2), 194-204.

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

Nannan Panday, R., Wang, S., Schermer, E., Cooksley, T., Alam, N., & Nanayakkara, P. (2020). Septic patients with cancer: Do prehospital antibiotics improve survival? A sub-analysis of the PHANTASi trial. *The Netherlands journal of medicine*, 78(1), 3-9.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Paix, B., Tingey, D., Copley, G., Casson, M., Shoolbread, D., Davuluru, H., . . . Kennedy, R. (2019). Prehospital External Aortic Compression for Temporizing Exsanguinating Sub-Diaphragmatic Hemorrhage - A Promising Technique, but with Challenges: Four Illustrative Cases, including Two Survivors. *Prehospital and Disaster Medicine*, 35(1), 115-118.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

Patrick, C., Ward, B., Anderson, J., Rogers Keene, K., Adams, E., Cash, R., . . . Dickson, R. (2020). Feasibility, Effectiveness and Safety of Prehospital Intravenous Bolus Dose Nitroglycerin in Patients with Acute Pulmonary Edema. *Prehospital Emergency Care*, 1-7.

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

Rijnhout, T., Noorman, F., Bek, A., Zoodsma, M., & Hoencamp, R. (2019). Massive transfusion in the Netherlands. *Emergency Medicine Journal*, 37(2), 65-72.

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

Roxby, D., Sobieraj-Teague, M., Wielligh, J., Sinha, R., Kuss, B., Smith, A.-L., & McEwen, M. (2020). Warming blood prior to transfusion using latent heat. *Emergency Medicine Australasia*, 1742-6723.13471.

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

Stansfield, R., Morris, D., & Jesulola, E. (2020). The Use of Tranexamic Acid (TXA) for the Management of Hemorrhage in Trauma Patients in the Prehospital Environment: Literature Review and Descriptive Analysis of Principal Themes. *Shock (Augusta, Ga.)*, 53(3), 277-283.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

Tang, G., & Zhou, X. (2020). The significance of door-to-balloon time in the patients with ST-elevation myocardial infarction. *Resuscitation*, 0(0).

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

Tanguay, A., Lebon, J., Hébert, D., & Bégin, F. (2020). Intranasal Fentanyl versus Subcutaneous Fentanyl for Pain Management in Prehospital Patients with Acute Pain: A Retrospective Analysis. *Prehospital Emergency Care*, 1-9.

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

Rosenbaum, E., Cox, S., Smith, K., Fitzgerald, M., Braitberg, G., Carpenter, A., & Bernard, S. (2020). Ambulance management of patients with penetrating truncal trauma and hypotension in Melbourne, Australia. *Emergency Medicine Australasia*, 1742-6723.13450.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Voss, S., Brandling, J., Pollard, K., Taylor, H., Black, S., Buswell, M., . . . Benger, J. (2020). A qualitative study on conveyance decision-making during emergency call outs to people with dementia: the HOMEWARD project. *BMC Emergency Medicine*, 20(1), 6.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Yamashita, A., Kurosaki, H., Takada, K., Tanaka, Y., Nishi, T., Wato, Y., & Inaba, H. (2020). Prehospital epinephrine as a potential factor associated with prehospital rearrest. *Prehospital Emergency Care*, 1-18.

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

Zhang, Y., Zhu, J., Liu, Z., Gu, L., Zhang, W., Zhan, H., . . . Idris, A. (2020). Intravenous versus intraosseous adrenaline administration in out-of-hospital cardiac arrest: A retrospective cohort study. *Resuscitation*, 0(0).

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

Airway Management, Resuscitation & CPR

Abelsson, A., Odestrand, P., & Nygårdh, A. (2020). To strengthen self-confidence as a step in improving prehospital youth laymen basic life support. *BMC Emergency Medicine*, 20(1), 8.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Awad, E., Christenson, J., Grunau, B., Tallon, J., & Humphries, K. (2020). Sex differences in out-of-hospital cardiac arrest interventions within the province of British Columbia, Canada. *Resuscitation*, 148, 128-134.

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

Barbic, D., Duncan, K., Trainor, R., Ertel, E., Enos, M., Philips, H., . . . Scheuermeyer, F. (2020). A Survey of the Public's Ability to Recognize and Willingness to Intervene in Out-of-hospital Cardiac Arrest and Opioid Overdose. (T. Quest, Ed.) *Academic Emergency Medicine*, acem.13916.

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

Chen, X., Zhen, Z., Na, J., Wang, Q., Gao, L., & Yuan, Y. (2020). Associations of therapeutic hypothermia with clinical outcomes in patients receiving ECPR after cardiac arrest: systematic review with meta-analysis. *Scandinavian journal of trauma, resuscitation and emergency medicine*, 28(1), 3.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Gräsner, J., Wnent, J., Herlitz, J., Perkins, G., Lefering, R., Tjelmeland, I., . . . Bossaert, L. (2020). Survival after out-of-hospital cardiac arrest in Europe - Results of the EuReCa TWO study. *Resuscitation*, 148, 218-226.

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

Ko, S., Shin, S., Song, K., Park, J., & Lee, S. (2020). Effect of awareness time interval for out-of-hospital cardiac arrest on outcomes: A nationwide observational study. *Resuscitation*, 147, 43-52.

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

Miller, S., & Falk, J. (2020). Out of Hospital Cardiac Arrest, There's an app for that. *Resuscitation*, 0(0).

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

Muller, A., Dyson, K., Bernard, S., & Smith, K. (2020). Seasonal Variation in Out-of-Hospital Cardiac Arrest in Victoria 2008–2017: Winter Peak. *Prehospital Emergency Care*, 1-9.

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

Millin, M., Bogumil, D., Fishe, J., & Burke, R. (2020). Comparing the two-finger versus two-thumb technique for single person infant CPR: A systematic review and meta-analysis. *Resuscitation*, *148*, 161-172.

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

Rojas-Salvador, C., Moore, J., Salverda, B., Lick, M., Debaty, G., & Lurie, K. (2020). Effect of controlled sequential elevation timing of the head and thorax during cardiopulmonary resuscitation on cerebral perfusion pressures in a porcine model of cardiac arrest. *Resuscitation*, *0*(0).

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

Stroop, R., Kerner, T., Strickmann, B., & Hensel, M. (2020). Mobile phone-based alerting of CPR-trained volunteers simultaneously with the ambulance can reduce the resuscitation-free interval and improve outcome after out-of-hospital cardiac arrest: A German, population-based cohort study. *Resuscitation*, *147*, 57-64.

Click [here](#) to access fulltext (free online as of 24/02/2020)

Su, P., Tsai, M., Chen, W., Wang, C., Chang, W., Ma, M., . . . Huang, C. (2020). Improvement of consciousness before initiating targeted temperature management. *Resuscitation*, *148*, 83-89.

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

Wang, C., Lee, A., Chang, W., Huang, C., Tsai, M., Chou, E., . . . Chen, W. (2020). Comparing Effectiveness of Initial Airway Interventions for Out-of-Hospital Cardiac Arrest: A Systematic Review and Network Meta-analysis of Clinical Controlled Trials. *Annals of Emergency Medicine*. *0*.

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

Wei, Y., Pek, P., Doble, B., Finkelstein, E., Wah, W., Ng, Y., . . . Ong, M. (2020). Strategies to improve survival outcomes of out-of-hospital cardiac arrest (OHCA) given a fixed budget: A simulation study. *Resuscitation*, *0*(0).

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

Whitehead, L., Tierney, S., Biggerstaff, D., Perkins, G., & Haywood, K. (2020). Trapped in a disrupted normality: Survivors' and partners' experiences of life after a sudden cardiac arrest. *Resuscitation*, *147*, 81-87.

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

Wolfe, H., Morgan, R., Zhang, B., Topjian, A., Fink, E., Berg, R., . . . Sawyer, T. (2020). Deviations from AHA Guidelines During Pediatric Cardiopulmonary Resuscitation are Associated with Decreased Event Survival. *Resuscitation*, *0*(0).

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

Further Research Needed

Mix, F., Myers, L., Luke, A., & Sztajnkrzyer, M. (2020). **A Descriptive Analysis of Pediatric Prehospital Refusal of Medical Assistance Within a Single Service Provider System.** *Pediatric Emergency Care*, 36(1), 26-30.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

CONCLUSIONS: Pediatric RMA [refusal of medical assistance] is common within our study population, and two thirds involve emergent dispatch. Although outcomes are generally good, refusal documentation is sparse and medical control is seldom contacted. **Multiple opportunities for systems improvement exist.**

*****SCAS authors***** Voss, S., Brandling, J., Pollard, K., Taylor, H., Black, S., Buswell, M., . . . Bengner, J. (2020). **A qualitative study on conveyance decision-making during emergency call outs to people with dementia: the HOMEWARD project.** *BMC Emergency Medicine*, 20(1), 6.

Click [here](#) to access fulltext (free online as of 24/02/2020)

CONCLUSIONS: The preference for avoiding unnecessary conveyance for patients with dementia, combined with difficulties in obtaining an accurate patient medical history and assessment, mean that decision-making can be particularly problematic for paramedics. **Further research is needed** to find reliable ways of assessing patients and accessing information to support conveyance decisions for EMS calls to people with dementia.

Hardwick, K., & Bellew, M. (2020). Admission to a UK Major Trauma Centre following deliberate self-harm and attempted suicide: Prevalence and outcomes. *Trauma*, 146040861989959.

Click [here](#) to access abstract, email LKSASE@mft.nhs.uk to request fulltext

CONCLUSIONS: This study increased our understanding of deliberate self-harm/suicide attempts in the Leeds Major Trauma Centre. It indicated the high cost of deliberate self-harm/suicide attempts with the majority of patients having high injury severity score, and most surviving. **Further research** into follow-up and preventative support for this group of patients would be beneficial.

Mercier, É., Nadeau, A., Brousseau, A., Émond, M., Lowthian, J., Berthelot, S., . . . Cameron, P. (2020). Elder Abuse in the Out-of-Hospital and Emergency Department Settings: A Scoping Review. *Annals of Emergency Medicine*, 75(2), 181-191.

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

CONCLUSIONS: The prevalence of elder abuse reported during the ED visit was lower than reported in the community. The most commonly detected type of elder abuse was neglect, and then physical abuse. The following factors were more common in identified cases of elder abuse: female sex, cognitive impairment, functional disability, frailty, social isolation, and lower socioeconomic status. Psychiatric and substance use disorders were more common among victims and their caregivers. Screening tools have been proposed, but multicenter validation and influence of screening on patient-important outcomes were lacking. Health care professionals reported being poorly trained and acknowledged numerous barriers when caring for potential victims. There is insufficient knowledge, limited training, and a poorly organized system in place for elder abuse in the out-of-hospital and ED settings. Studies on the processes and effects of screening and interventions are required to improve care of this vulnerable population

New Ebooks and other resources

Ebooks

- **Acute psychiatric emergencies: a practical approach**
- **Ross and Wilson pocket reference guide to anatomy and physiology.**

SCAS Athens account required (register [here](#))

Visit <http://discoverylibrary.org/SCAS>
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 SCAS