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

Amber – the home of ambulance service research

Amber is available from https://amber.openrepository.com. Amber contains records of research published by researchers and staff working for NHS ambulance services in England.

To find out more about amber go to the LKS ASE website. If you think your research should be included in amber please contact library@nwas.nhs.uk. We are still adding to amber and hope to have the database complete by May 2020.

NHS OpenAthens

You can register for an NHS OpenAthens account at any time from this link [https://openathens.nice.org.uk]. You will need your work eMail address.

Twitter

@LksAse tweets the latest premedic research as it's published from leading peer reviewed journals.

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. The previous month’s articles are available from the backfile. This means that information about articles in in past updates is always available.

KnowledgeShare your personalised Current Awareness Service

Sign up for your personalised Current Awareness Service from KnowledgeShare. Complete the registration form here.

Feedback

Send feedback to Matt Holland, LKS ASE Librarian (on behalf of the National Ambulance Research Steering Group). You can eMail Matt at Matt.Holland@nwas.nhs.uk.

This Current Awareness Update was commissioned by the National Ambulance Research Steering Group comprising of research leads from ambulance trusts in England, Scotland and Wales and other experts and groups supporting prehospital research. The aim of the group is to support the strategic development of ambulance and prehospital research whether leading, collaborating in or using research.

Prehospital Emergency Services Current Awareness Update – Issue 78, December 2019
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 OpenAthens will require you to log in with an NHS OpenAthens User Name and Password to obtain the full text. These links take you to the abstract initially. To read the whole paper, choose either ‘full text’ or ‘pdf’ from the options on the abstract page. The full text option will present the article as a single webpage, the pdf. option will open as a digital copy of the original paper. Selecting either will open a page with the following link for you to enter your Athens username and password;

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

To create your own NHS OpenAthens username and password, simply visit: https://openathens.nice.org.uk/

- Where papers are not available either through Open Access or with your NHS OpenAthens 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
- Further Research Needed

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/currentawareness
[https://doi.org/10.1080/10903127.2019.1669386](https://doi.org/10.1080/10903127.2019.1669386)


[https://doi.org/10.1016/j.hpe.2018.03.009](https://doi.org/10.1016/j.hpe.2018.03.009)

[https://doi.org/10.1016/j.jsr.2019.10.003](https://doi.org/10.1016/j.jsr.2019.10.003)

[https://doi.org/10.1080/10903127.2019.1604925](https://doi.org/10.1080/10903127.2019.1604925)

[https://doi.org/10.1111/1742-6723.13407](https://doi.org/10.1111/1742-6723.13407) Open Access

[https://doi.org/10.1016/j.amj.2019.07.013](https://doi.org/10.1016/j.amj.2019.07.013)


[https://doi.org/10.1111/1742-6723.13302](https://doi.org/10.1111/1742-6723.13302)

[https://doi.org/10.1111/acem.13890](https://doi.org/10.1111/acem.13890)

[https://doi.org/10.1080/10903127.2019.1709001](https://doi.org/10.1080/10903127.2019.1709001)


---

### Prehospital Research – Methods and Discussion

To see the full text use the LKS ASE Request an Article Service or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.


---

### Helicopter Emergency Medical Services (HEMS) and Air Medical

To see the full text use the LKS ASE Request an Article Service or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.


---

**Patient Profile**

To see the full text use the [LKS ASE Request an Article Service](#) or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.

---


---

*Prehospital Emergency Services Current Awareness Update – Issue 78, December 2019*


**On-Scene Interventions**

To see the full text use the LKS ASE Request an Article Service or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.


---

### Airway Management, Resuscitation & CPR

To see the full text use the LKS ASE Request an Article Service or check with your library. For Open Access articles click through. For articles marked NHS Open Athens click through and sign in with your Open Athens account.


Chonde, M., Escajeda, J., Elmer, J., Callaway, C., Guyette, F., Boujoukos, A., … Kormos, R. L. (2019). Challenges in the development and implementation of a healthcare system based extracorporeal...
cardiopulmonary resuscitation (ECPR) program for the treatment of out of hospital cardiac arrest.  


*Prehospital Emergency Services Current Awareness Update – Issue 78, December 2019*


**Further Research Needed – studies where further research is called for**


**CONCLUSIONS:** Ambulance services are under pressure to meet challenging response times for high acuity patients. Tensions are apparent in the provision of care to patients who have complex needs and call frequently. Multi-disciplinary case management approaches may help to provide appropriate care, and reduce demand on emergency services. **However, there is currently inadequate evidence** to inform commissioning, policy or practice development.


**CONCLUSIONS:** This study did not raise any concerns about the acceptability of FICB administered at the scene of injury by paramedics to people with suspected hip fracture. It adds to existing evidence about patient and carer experience of on-scene care for people with suspected hip fractures.
fracture. Further research is needed to assess safety, effectiveness and cost effectiveness of this health technology in a new setting.


CONCLUSIONS: This retrospective study of hypothermia in major trauma patients found a rate of hypothermia of 5%. Factors associated with higher risk of hypothermia include pre-MTC intubation, high ISS, multiple comorbidities, low SBP, non-penetrating mechanism of injury, and being transferred directly to MTC, and colder outdoor temperature. Avoidance of hypothermia is imperative to the management of major trauma patients. Prospective studies are required to determine if prehospital warming in these high-risk patients decreases the rate of hypothermia in major trauma and improves patient outcomes.

How to contact your Library Service

<table>
<thead>
<tr>
<th>Service</th>
<th>Contact</th>
<th>Services Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Ambulance Services in England except SWAST, IOW and LAS.</td>
<td>eMail: <a href="mailto:Matt.Holland@nwas.nhs.uk">Matt.Holland@nwas.nhs.uk</a>, Link to: Library Website</td>
<td>Document Supply; Searches; Current Awareness; Guides &amp; Help;</td>
</tr>
<tr>
<td>South Western Ambulance Service</td>
<td>eMail: <a href="mailto:library.mailbox@nhs.net">library.mailbox@nhs.net</a>, Link to: <a href="http://discoverylibrary.org/SWASFT">http://discoverylibrary.org/SWASFT</a></td>
<td>Document Supply; Searches; Current Awareness; Guides &amp; Help;</td>
</tr>
<tr>
<td>Isle of Wight</td>
<td>eMail: <a href="mailto:library@iow.nhs.uk">library@iow.nhs.uk</a>, Link to: Library Website</td>
<td>Full library membership of the Oliveira Library.</td>
</tr>
<tr>
<td>London Ambulance Service</td>
<td>eMail: <a href="mailto:CARU.Administrator@lond-amb.nhs.uk">CARU.Administrator@lond-amb.nhs.uk</a></td>
<td>Document Supply, Research</td>
</tr>
</tbody>
</table>