Emergency Medicine Evidence Update
May 2019
Produced by the Clinical Librarian Service

The Clinical Librarian team are here to help with evidence searches, current awareness and training with information seeking skills, critical appraisal and referencing. We can assist you remotely, at your place of work or in the library at the QuAD Centre.

If you have any further enquiries please do not hesitate to get in touch.

You can contact us by email at Clinical.Librarian@porthosp.nhs.uk or call extension 6042.

Alternatively you can contact one of the team directly:
Rebecca.Howes@porthosp.nhs.uk
Aaron.Razack@porthosp.nhs.uk

The Clinical Librarian team endeavours to find as much of the latest evidence in your clinical area as possible, however make no claim as to the exhaustive nature of the update.

For more specific areas of interest within EM we would recommend a literature search or KnowledgeShare bulletin.

Would you like your own, tailored evidence updates? Email the Clinical Librarian team to receive bulletins every two weeks on the topics of your choice.

To access resources click on the blue hyperlinks, if you are unable to read the full text of any item please contact the Clinical Librarian team or make an article request using this form.
## Contents

<table>
<thead>
<tr>
<th>NICE Guidance</th>
<th>Other Guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cochrane Systematic Reviews</td>
<td>Systematic reviews from other sources</td>
</tr>
<tr>
<td>Cochrane clinical answers</td>
<td>Pediatric Emergency Medicine Database</td>
</tr>
<tr>
<td>Primary Research</td>
<td>DynamedPlus</td>
</tr>
<tr>
<td>Online Resources</td>
<td>Emergency Medicine in the News</td>
</tr>
<tr>
<td></td>
<td>Electronic Journals</td>
</tr>
</tbody>
</table>

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### Most recent guidance published:

**Stroke and transient ischaemic attack in over 16s: diagnosis and initial management (NG128)**

**Suspected neurological conditions: recognition and referral (NG127)**

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### Other Guidance/Reports

Latest guidance from other sources, including Royal College of Emergency Medicine

- **Drug Misuse and the Emergency Department**  
  Royal College of Emergency Medicine

- **An Alliance Against Bullying, Undermining and Harassment in the NHS**  
  RCSEd, 2019

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### Cochrane Library

Systematic Reviews and Research Protocols

- **Conservative management following closed reduction of traumatic anterior dislocation of the shoulder**
Systematic reviews from other sources

Vasopressors during adult cardiac arrest: A systematic review and meta-analysis
Resuscitation Council

Importance of vitamin D in acute and critically ill children with subgroup analyses of sepsis and respiratory tract infections: a systematic review and meta-analysis
BMJ Open

The effectiveness of training in emergency obstetric care: a systematic literature review.
Health Policy and Planning

Characteristics and predictors of adult frequent emergency department users in the United States: A systematic literature review.
Journal of Evaluation in Clinical Practice

Experiences of compassion fatigue in direct care nurses: a qualitative systematic review
Joanna Briggs Institute

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Cochrane Clinical Answers

This month’s clinical questions are…

What are the effects of ultrasound guidance for perioperative neuraxial and peripheral nerve blocks in children?

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Pediatric Emergency Medicine

Recent PEM studies, Click to view

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Primary Research

A selection of articles from relevant journals and databases.

Paediatrics

Adult Tourniquet for Use in School-Age Emergencies
Pediatrics

Point-of-care lung ultrasound in infants with bronchiolitis in the pediatric emergency department: a prospective study
European Journal of Pediatrics

Utility of Neuroimaging in Children Presenting to a Pediatric Emergency Department With Ataxia
Pediatric Emergency Care
Requirement for Head Magnetic Resonance Imaging in Children Who Present to the Emergency Department With Acute Nontraumatic Visual Disturbance
Pediatric Emergency Care
Medical emergency department attendance of under 16-year-olds with dental problems
Journal of Oral Rehabilitation

The Effect of Parental Presence on Pain and Anxiety Levels During Invasive Procedures in the Pediatric Emergency Department
Journal of Emergency Nursing

Is high-flow nasal cannula therapy feasible for managing bronchiolitis in children in the emergency department?
Nursing Children & Young People

Implementing the National Institute for Health and Clinical Excellence Head Injury 2014 Guidelines in a major children's hospital emergency department
European Journal of Emergency Medicine

Adults

Catching Quality Before It Falls: Preventing Falls and Injuries in the Adult Emergency Department
Journal of Emergency Nursing

Evaluating Effectiveness of Nasal Compression With Tranexamic Acid Compared With Simple Nasal Compression and Merocel Packing: A Randomized Controlled Trial
Annals of Emergency Medicine

Clinical Benefit of Hospitalization for Older Adults With Unexplained Syncope: A Propensity-Matched Analysis
Annals of Emergency Medicine

The Restrictive IV Fluid Trial in Severe Sepsis and Septic Shock (RIFTS): A Randomized Pilot Study
Critical Care Medicine

The effect of adhesive tape versus endotracheal tube fastener in critically ill adults: the endotracheal tube securement (ETTS) randomized controlled trial
Critical Care

Characteristics, treatment and outcome of bleeding after tooth extraction in patients on DOAC and phenprocoumon compared to non-anticoagulated patients—a retrospective study of emergency department consultations
Clinical Oral Investigations

Precipitous Labor and Emergency Department Delivery
Emergency medicine Clinics of North America

Significant Morbidity and Mortality Associated with Fecal Impaction in Patients Who Present to the Emergency Department
Digestive Diseases and Sciences

Exploring the needs of parents who experience miscarriage in the emergency department: A qualitative study with parents and nurses
Journal of Clinical Nursing

Bedside Echocardiography and Passive Leg Raise as a Measure of Volume Responsiveness in the Emergency Department
Journal of Ultrasound in Medicine
Drug nonadherence is a common but often overlooked cause of hypertensive urgency and emergency at the emergency department
Journal of Hypertension

General

‘Just another vial…’: a qualitative study to explore the acceptability and feasibility of routine blood-borne virus testing in an emergency department setting in the UK
BMJ Open

A mixed methods study of the impact of consultant overnight working in an English Emergency Department
Emergency Medicine Journal

Immune checkpoint blockade toxicity among patients with cancer presenting to the emergency department
Emergency Medicine Journal

Burnout in the Emergency Department hospital staff at Cork University Hospital
Irish Journal of Medical Science

Development and evaluation of a code frame to identify potential primary care presentations in the hospital emergency department
Emergency Medicine Australasia

Esophageal Foreign Bodies and Obstruction in the Emergency Department Setting: An Evidence-Based Review
The Journal of Emergency Medicine

Bedside Use of Speckle Tracking Echocardiography in the Emergency Department to Identify Acute Myocardial Infarction
The Journal of Emergency Medicine

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DynaMed Plus

Athens is required for off-site access to DynamedPlus

Adult

mechanical chest compression with LUCAS device, but not AutoPulse device, may be as effective as manual compression for survival to hospital discharge with good neurologic function in patients with out-of-hospital cardiac arrest (Cochrane Database Syst Rev 2018 Aug 20)

Topic: Adult basic life support (BLS)


Topic: Airway management
point-of-care ultrasound (POCUS) by emergency physicians with limited experience may have similar sensitivity but reduced specificity for small bowel obstruction compared to expert sonographer reading (Acad Emerg Med 2019 Feb 14 early online)

**Topic:** Small bowel obstruction

**Paediatric**

intramuscular ondansetron associated with higher resolution of vomiting at 6 and 24 hours, and fewer side effects at 60 minutes, compared to intramuscular bromopride or metoclopramide in children aged 1-12 years with acute vomiting (J Pediatr (Rio J) 2018 Jan)

**Topic:** Nausea and vomiting in infants and children

minimally invasive vessel loop drainage may be as effective as standard incision and drainage in children with skin abscess in pediatric emergency department (Pediatr Emerg Care 2019 Mar 4 early online)

**Topic:** Skin abscesses, furuncles, and carbuncles

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**Emergency Medicine in the News**

*NHS Skype doctors and nurses’ prevent thousands of avoidable hospital trips*

NHS England

*NHS 111 prevents more than 12 million unnecessary A&E visits*

NHS England

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**Online Resources**

**BestBETs** - BETs bring the evidence one step closer to the bedside, by providing answers to very specific clinical problems, using the best available evidence.

British National Formulary (BNF) and BNF for Children

The Royal College of Emergency Medicine

Royal College of Paediatrics and Child Health

The Royal Marsden Manual of Clinical Procedures – available via your Athens login

NHS Choices - Behind the Headlines – the latest newspaper headlines debunked.

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**Journals & table of contents alerts**

The Clinical Librarian team can help set up table of content alerts to the journal of your choice.

<table>
<thead>
<tr>
<th>Academic Emergency Medicine</th>
<th>Annals of Emergency Medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Archives of Disease in Childhood</td>
<td>Clinical Pediatric Emergency Medicine</td>
</tr>
<tr>
<td>Emergency Medicine Journal</td>
<td>Emergency department bulletin 2018</td>
</tr>
</tbody>
</table>
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