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.
Most recent guidance published:
No new relevant guidelines published

Other Guidance/Reports
Latest guidance from other sources, including Royal College of Emergency Medicine

Management and Transfer of Patients with a Diagnosis of Ruptured Abdominal Aortic Aneurysm to a Specialist Vascular Centre
Royal College of Emergency Medicine, best practice guideline

Addressing hospital handover delays: actions for local A&E delivery boards
NHS Improvement

Cochrane Library
Systematic Reviews and Research Protocols

Surgical versus conservative interventions for treating fractures of the middle third of the clavicle

Continuous positive airway pressure (CPAP) for acute bronchiolitis in children
Systematic reviews from other sources

**Paediatric**

Exploring parents' reasons for attending the emergency department for children with minor illnesses: a mixed methods systematic review
Emergency Medicine Journal

Is Fixing Pediatric Nail Bed Injuries With Medical Adhesives as Effective as Suturing?: A Review of the Literature
Pediatric Emergency Care

**Adult/General**

Does the addition of fentanyl to ketamine improve haemodynamics, intubating conditions or mortality in emergency department intubation: A systematic review.
Acta anaesthesiologica Scandinavica

To Debrief or not debrief
BestBETS

Point-of-Care Ocular Ultrasound for the Diagnosis of Retinal Detachment: A Systematic Review and Meta-Analysis.
Academic Emergency Medicine

Serial high-sensitivity cardiac troponin T measurements to rule out acute myocardial infarction and a single high baseline measurement for swift rule-in: A systematic review and meta-analysis.
European Heart Journal

Annals of Emergency Medicine

High flow nasal cannula oxygen versus noninvasive ventilation in adult acute respiratory failure: a systematic review of randomized-controlled trials
European Journal of Emergency Medicine

Review article: A primer for clinical researchers in the emergency department: Part VI. Measuring what matters: Core outcome sets in emergency medicine research.
Emergency medicine Australasia

Hospitalisations and emergency department visits in cancer patients receiving systemic therapy: Systematic review and meta-analysis
European Journal of Cancer Care

Poor Identification of Emergency Department Acute Recreational Drug Toxicity Presentations Using Routine Hospital Coding Systems: the Experience in Denmark, Switzerland and the UK
Journal of Medical Toxicology
This month’s clinical question is…

Can capnography reduce cardiorespiratory adverse effects in people sedated for painful procedures in the emergency department?

Pediatric Emergency Medicine

Recent PEM studies, Click to view

Primary Research

A selection of articles from relevant journals and databases.

**Paediatrics**

Reliability and accuracy of smartphones for paediatric infectious disease consultations for children with rash in the paediatric emergency department

BMC Pediatrics

Staff Perceptions of Improving Emergency Care for Children: A Qualitative Study.

The Health Care Manager

Childhood stroke guidelines, a grey matter.

Archives of Disease in Childhood

Virtual reality distraction from painful procedures in the paediatric emergency department.

Archives of Disease in Childhood

Safeguarding LGBT+ adolescents

BMJ

Medical Emergency Department attendance of under-16-year-olds with dental problems

Journal of Oral Rehabilitation

Delayed Presentations to Emergency Departments of Children With Head Injury: A PREDICT Study

Annals of Emergency Medicine

Multicentre study of physical abuse and limb fractures in young children in the East Anglia Region, UK

Archives of Disease in Childhood

**Adults**

Economic impact of potentially inappropriate prescribing and related adverse events in older people: a cost-utility analysis using Markov models

BMJ Open
Foot Pain in the Emergency Department
The Journal for Nurse Practitioners

Approach to syncope in the emergency department
Emergency Medicine Journal

Factors associated with older people’s emergency department attendance towards the end of life: a systematic review
European Journal of Public Health

The evaluation of compliance with iRefer guidelines for abdominal imaging and the impact of the normal abdominal radiograph on the clinical confidence and decision making of emergency clinicians
Radiography

Pancoast tumour presenting as shoulder pain with Horner’s syndrome
BMJ Case Reports

Effect of the Pulmonary Embolism Rule-Out Criteria on subsequent thromboembolic events among low-risk emergency department patients: the PROPER randomized clinical trial
Internal and Emergency Medicine

General

Information and communication in the emergency department
International Emergency Nursing

A simple clinical assessment is superior to systematic triage in prediction of mortality in the emergency department
Emergency Medicine Journal

UK’s initial operational response and specialist operational response to CBRN and HazMat incidents: a primer on decontamination protocols for healthcare professionals
Emergency Medicine Journal

Why Emergency Nurses Are Said to Succumb to “Burnout” While Other Nurse Specialties Are Said to Succumb to “Compassion Fatigue”; Is There a Difference?
Journal of Emergency Nursing

Impact of scribes on emergency medicine doctors’ productivity and patient throughput: multicentre randomised trial
BMJ

Financial performance of English NHS trusts and variation in clinical outcomes: a longitudinal observational study
BMJ Open

Association of the Trauma of Hospitalization With 30-Day Readmission or Emergency Department Visit
JAMA Internal Medicine

Patient Safety in the NHS
British Journal of Nursing

Logistic regression model to predict acute uncomplicated and complicated appendicitis.
Annals of the Royal College of Surgeons of England
Emergency department nurse's attitudes towards patients who self-harm: A meta-analysis
International Journal of Mental Health Nursing

The level of safety standards in implementing therapeutic and caring procedures by emergency department personnel
Nursing Open

Use of Group Concept Mapping to Identify Patient Domains of Uncertainty That Contribute to Emergency Department Use
Journal of Emergency Nursing

Changing Team Member Perceptions by Implementing TeamSTEPPS in an Emergency Department
Journal of Emergency Nursing

Management of acute retrobulbar haemorrhage: a survey of non-ophthalmic emergency department physicians
Emergency Medicine Journal

The impact of emergency department patient-controlled analgesia (PCA) on the incidence of chronic pain following trauma and non-traumatic abdominal pain
Anaesthesia

Ondansetron not beneficial for nondehydrated children with acute gastroenteritis (January 2019)

Ondansetron may have benefit for selected children with acute gastroenteritis and mild to moderate dehydration. Whether ondansetron is beneficial in nondehydrated children with acute gastroenteritis was explored in a randomized trial comparing a single oral dose of ondansetron with placebo in Pakistani children (age six months to five years) who presented with diarrhea, one or more episodes of vomiting within four hours of arrival, and no evidence of dehydration [15]. The rates of intravenous fluid administration within 72 hours, median number of vomiting episodes within four hours, and proportion of children hospitalized within 24 hours were similar between groups. These findings support our suggestion to not use ondansetron in children with acute gastroenteritis who are not dehydrated. (See "Acute viral gastroenteritis in children in resource-rich countries: Management and prevention", section on 'Antiemetic agents'.)

Concussion recovery time for children and adolescents (January 2019)

The time course of recovery from acute concussion was investigated in a multicenter prospective cohort study of over 2700 pediatric patients, 5 to 18 years of age, who presented to the emergency department [16]. Most children and adolescents (over 80 percent) recovered from their concussion within one month. However, recovery took longer in adolescent female patients, among whom less than half reached full recovery by 3 months. Previous studies have also identified increased severity of symptoms at presentation as a risk factor for prolonged recovery. Patients with persistent concussion symptoms not improving after 21 days warrant referral to a physician with specific expertise in managing pediatric concussion (eg, sports medicine specialist, physiatrist, or neurologist). (See "Concussion in children and adolescents: Management", section on 'Prognosis'.)

Fentanyl adulteration of crack cocaine (January 2019)

Adulteration of crack cocaine with fentanyl led to three deaths among 18 middle-aged men who habitually smoked crack cocaine, had no history of prior opioid use, and resided in the same zip code in Philadelphia, Pennsylvania [28]. The men presented to the emergency department with an opioid toxidrome (ie, lethargy, respiratory depression, and pinpoint pupils). Adulteration of the
crack cocaine was supported by the clinical response to naloxone in most patients and the results of urine drug testing. Investigation by law enforcement could not determine whether fentanyl adulteration was intentional or incidental. This case series underscores the danger of fentanyl exposure in patients without opioid tolerance and the importance of timely empiric administration of naloxone in patients with an opioid toxidrome. (See "Cocaine: Acute intoxication", section on 'Fentanyl' and "Acute opioid intoxication in adults", section on 'Fentanyl and fentanyl analogs'.)

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**DynaMedPlus**

Athens is required for off-site access to DynamedPlus

**Topic:** Fluid selection for IV fluid resuscitation  
**Summary:** Ringer lactate and normal saline associated with similar quality of recovery in noncritically ill patients receiving IV fluids in emergency department (Ann Emerg Med 2018 Aug 23 early online)

**Topic:** Gonococcal cervicitis  
**Summary:** GeneXpert rapid assay reduces overtreatment of women without N. gonorrhoeae infection seen in emergency department compared to standard nucleic acid amplification test (NAAT) (Ann Emerg Med 2018 Nov 1 early online)

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**Emergency Medicine in the News**

High intensity users: reducing the burden on accident & emergency departments  
Dr Foster analysis of A&E

A&E registrar is struck off for repeated sexual harassment of staff nurse  
BMJ

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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.
Journals & table of contents alerts

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

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