PICU
Evidence Update
February 2018
Your Outreach Librarian – Helen Pullen

Whatever your information needs, the library is here to help. Just email us at library@uhbristol.nhs.uk

Outreach: Your Outreach Librarian can help facilitate evidence-based practice for all in the team, as well as assisting with academic study and research. We also offer one-to-one or small group training in **literature searching, critical appraisal and medical statistics**. Get in touch: library@uhbristol.nhs.uk

Literature searching: We provide a literature searching service for any library member. For those embarking on their own research it is advisable to book some time with one of the librarians for a one-to-one session where we can guide you through the process of creating a well-focused literature research. Please email requests to library@uhbristol.nhs.uk
Departmental News

News, Research, Conferences, Training etc

Please contact us with any departmental news you wish to share here with your colleagues in your Evidence Update bulletin.

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Library Clinic

Stop by and find out more about our services. We will be here to answer any questions you may have!

March 7th: Canteen (Level 9, BRI) 12.00-14.00
March 19th: Welcome Centre, BRI 10.00-16.00
April 4th: Foyer, Education Centre 12.00-14.00
April 11th: Foyer, St Michael’s Hospital 12.00-14.00
May 2nd: Canteen (Level 9, BRI) 12.00-14.00
June 6th: Terrace (Level 4, Education Centre) 12.00-14.00
June 19th: Welcome Centre, BRI 10.00-16.00
July 3rd: Welcome Centre, BRI 10.00-16.00
July 4th: Canteen (Level 9, BRI) 12.00-14.00
August 8th: Foyer, Education Centre 12.00-14.00
August 29th: Foyer, St Michael’s Hospital 12.00-14.00
September 5th: Canteen (Level 9, BRI) 12.00-14.00
September 11th: Welcome Centre, BRI 10.00-16.00
October 3rd: Terrace (Level 4, Education Centre) 12.00-14.00
November 7th: Canteen (Level 9, BRI) 12.00-14.00
December 5th: Foyer, Education Centre 12.00-14.00
December 11th: Welcome Centre, BRI 10.00-16.00
### Journal Tables of Contents

The most recent issues of key journals. Click on the hyperlinked titles (+ Ctrl) to for contents tables. If you would like any of the papers in full text then get in touch: library@uhbristol.nhs.uk

**Acta Paediatrica**  
*February 2018 - Volume 107 - Issue 3*

**The ongoing challenge of meningococcal disease (pages 378–379)**  
Hans Fredlund

**Norepinephrine infusion improves haemodynamics in the preterm infants during septic shock (pages 408–413)**  
MY Rizk, A Lapointe, F Lefebvre and KJ Barrington

**National study shows that abusive head trauma mortality in Sweden was at least 10 times lower than in other Western countries (pages 477–483)**  
Jacob Andersson and Ingemar Thiblin

**An epidemic of meningococcal disease in children in North Norway in the 1970s and 1980s was dominated by a hypervirulent group B strain (pages 490–495)**  
Kine Nordheim, Ingunn Holmefoss Hovland, Bjørn Erik Kristiansen, Per Ivar Kaaresen and Trond Flaegstad

Atsushi Kawaguchi, Angela Bates, Bonita E. Lee, Steven Drews and Daniel Garros

**Clinicians need to decrease antibiotic use in previously healthy infants hospitalised with bronchiolitis (pages 538–539)**  
Marion Bailhache, Emilie Bloudeau, Olivier Richer, Pascal Pillet and Marie Lagarde

**Using anaerobic blood cultures for infants younger than 90 days rarely showed anaerobic infections but increased yields of bacterial growth**  
Itai Gross, Oren Gordon, Shmuel Benenson, Wiessam Abu Ahmad, Amir Shimonov, Saar Hashavya and Smadar Eventov-Friedman
Ultrasound-guided or landmark techniques for central venous catheter placement in critically ill children

Ignacio Oulego-Erroz, Rafael González-Cortes, Patricia García-Soler, Mónica Balaguer-Gargallo, Manuel Frías-Pérez, Juan Mayordomo-Colunga, Ana Llorente-de-la-Fuente, Paula Santos-Herraz, Juan José Menéndez-Suso, María Sánchez-Porras, Daniel Palanca-Arias, Carmen Clavero-Rubio, Mª Soledad Holanda-Peña, Luis Renter-Valdovinos, Sira Fernández-De-Miguel & Antonio Rodríguez-Núñez

Using cuffed tracheal tubes below recommended body weight: Compromising safety or exploring limits safely? (pages 193–194)
Markus Weiss and Thomas Engelhardt

Cuffed endotracheal tubes in infants less than 3 kg: A retrospective cohort study (pages 204–209)
Rebecca E. Thomas, Shripada C. Rao, Corrado Minutillo, Bruce Hullett and Max K. Bulsara

The incidence of postoperative respiratory complications: A retrospective analysis of cuffed vs uncuffed tracheal tubes in children 0–7 years of age (pages 210–217)
Michel de Wit, Linda M. Peelen, Leo van Wolfswinkel and Jurgen C. de Graaff

The use of flow-volume loops and an electronic continuous cuff pressure controller to ensure cuff inflation with the minimum occluding pressure for Microcuff endotracheal tubes (pages 306–307)
Richard Craig, Alasdair Howie and Hannah Wrigley

Increased lactate load of older red blood cell preparations increases blood lactate concentrations in infants during cardiac surgery (pages 185–186)
Mirela Bojan, Laetitia Desplanque and Souha Albinni
Archives of Disease in Childhood
February 2018 - Volume 103 – Issue 2

Critical Care Medicine
February 2018 – Volume 46 – Issue 2

Current Opinion in Pediatrics
February 2018 - Volume 30 – Issue 1

European Journal of Pediatrics
February 2018 - Volume 177 - Issue 2

Frontiers in Pediatrics
Section: “Pediatric Critical Care”

New England Journal of Medicine
http://www.nejm.org/

Pediatric Critical Care Medicine
February 2018 - Volume 19 - Issue 2
This report summarises the results of the 2016/17 British Thoracic Society (BTS) National Paediatric Pneumonia Audit which took place from 1 November 2016 to 31 January 2017. The audit first took...

Drug management for acute tonic-clonic convulsions including convulsive status epilepticus in children
Amy McTague, Timothy Martland, Richard Appleton
Online Publication Date: January 2018

Elevation of the head during intensive care management in people with severe traumatic brain injury
Jose D Alarcon, Andres M Rubiano, David O Okonkwo, Jairo Alarcón, Maria José Martinez-Zapata, Gerard Urrúlia, Xavier Bonfill Cosp
Online Publication Date: December 2017

Interventions for managing skeletal muscle spasticity following traumatic brain injury
Anneliese Synnot, Marisa Chau, Veronica Pitt, Denise O'Connor, Russell L Gruen, Jason Wasiak, Ornella Clavisi, Loyal Pattu wage, Kate Phillips
Online Publication Date: November 2017

Prehospital airway management in children with cardiac arrest (January 2018)
In a registry study of over 1700 children with an out-of-hospital cardiac arrest, prehospital bag-mask ventilation was associated with a greater likelihood of
neurologically intact survival when compared with placement of an artificial airway (endotracheal tube or supraglottic [eg, laryngeal mask] airway) [42]. For the prehospital care of children with respiratory compromise, emphasis should be on appropriate basic airway maneuvers, including bag-mask ventilation, rather than advanced airway procedures. (See “Pediatric considerations in prehospital care”, section on ‘Pediatric procedures’.)