This Current Awareness Bulletin is produced by the Yeovil Academy Library to provide staff with a range of sepsis-related resources to support practice. It includes recently published guidelines and research articles, as well as news and policy items.

### Systematic Reviews

**How do outcomes for beta lactam antibiotic monotherapy compare with those for beta lactam-aminoglycoside antibiotic combination therapy in people with sepsis?**

**How do corticosteroids affect outcomes when used to treat sepsis?**

**Enteral lactoferrin supplementation for prevention of sepsis and necrotizing enterocolitis in preterm infants**
Mohan Pammi and Gautham Suresh
Online Publication Date: June 2017

**Procalcitonin, C-reactive protein, and presepsin for the diagnosis of sepsis in adults and children**
Chinelo P Onyenekwu, Charles I Okwundu and Eleanor A Ochodo
Online Publication Date: April 2017

**Molecular assays for the diagnosis of sepsis in neonates**
Mohan Pammi, Angela Flores, James Versalovic and Mariska MG Leeflang
Online Publication Date: February 2017

**High-volume haemofiltration for sepsis in adults**
Emma MJ Borthwick, Christopher J Hill, Kannaian S Rabinranath, Alexander P Maxwell, Danny F McAuley and Bronagh Blackwood
Online Publication Date: January 2017
Quantifying the Effects of Prior Acetyl-Salicylic Acid on Sepsis-Related Deaths: An Individual Patient Data Meta-Analysis Using Propensity Matching.  
Critical Care Medicine 2017

Neutrophil CD64 as a diagnostic marker for neonatal sepsis: Meta-analysis.  
Advances in clinical and experimental medicine : official organ Wroclaw Medical University 2017

Lower vs. higher fluid volumes in sepsis-protocol for a systematic review with meta-analysis.  
Acta Anaesthesiologica Scandinavica 2017

The impact of RAGE inhibition in animal models of bacterial sepsis: a systematic review and meta-analysis.  
The Journal of international medical research 2017

Association Between Diabetes Mellitus and Outcomes of Patients with Sepsis: A Meta-Analysis.  
Medical science monitor : international medical journal of experimental and clinical research 2017

The role of group IIA secretory phospholipase A2 (sPLA2-IIA) as a biomarker for the diagnosis of sepsis and bacterial infection in adults-A systematic review.  
PloS one 2017

Guidelines

National Institute for Health and Care Excellence

FDA clears test to help manage antibiotic treatment for lower respiratory tract infections and sepsis  
Source: US Food and Drug Administration - FDA - 23 February 2017

Surviving sepsis campaign: international guidelines for management of sepsis and septic shock: 2016  
03 February 2017 - Publisher: Surviving Sepsis Campaign

Urinary frequency, enuresis and incontinence | Treatment summary  
British National Formulary - BNF - 20 June 2017

Urinary frequency, enuresis and incontinence | Treatment summary  
British National Formulary for Children - BNFc - 20 June 2017
UpToDate

UpToDate® is accessible via the links section of the library intranet YCloud page or via the library blog. It can also be accessed at upToDate.com/login with an OpenAthens username and password. To register for an OpenAthens account click here.

Sepsis syndromes in adults: Epidemiology, definitions, clinical presentation, diagnosis, and prognosis
Literature review current through: Jul 2017. | This topic last updated: Apr 26, 2017.

Evaluation and management of suspected sepsis and septic shock in adults
Literature review current through: Jul 2017. | This topic last updated: Jul 20, 2017.

Systemic inflammatory response syndrome (SIRS) and sepsis in children: Definitions, epidemiology, clinical manifestations, and diagnosis

Clinical features, evaluation, and diagnosis of sepsis in term and late preterm infants

Pathophysiology of sepsis
Literature review current through: Jul 2017. | This topic last updated: Dec 15, 2016.

Journal Articles

Please click on the blue link (where available) to access the full text. You may need an OpenAthens username and password. To register for an OpenAthens account click here.

If you would like help obtaining any of the articles, please contact the Library.

NICE Healthcare Databases

Sepsis: keeping up to date.
Author(s) Cutting, Keith
Source British Journal of Nursing; Aug 2017; vol. 26 (no. 15)
Language English
Publication Date Aug 2017
ISSN 09660461
Database CINAHL
- Available in full text at British Journal of Nursing from Mark Allen Group
- Available in full text at British Journal of Nursing from EBSCOhost

Recognizing Sepsis as a Global Health Priority - A WHO Resolution.
Author(s) Reinhart, Konrad; Daniels, Ron; Kissoon, Niranjan; Machado, Flavia R.; Schachter, Raymond D. et al.
Seizure Risk Much Higher for Sepsis Survivors.

**Source** AACN Bold Voices; Aug 2017; vol. 9 (no. 8); p. 14-14

**Language** English

**Publication Date** Aug 2017

**ISSN** 19487088

**Database** CINAHL

- Available in full text at AACN Bold Voices from EBSCOhost

Myeloid-derived Suppressor Cells in Sepsis.

**Author(s)** van der Poll, Tom

**Source** American Journal of Respiratory & Critical Care Medicine; Aug 2017; vol. 196 (no. 3); p. 256-258

**Language** English

**Publication Date** Aug 2017

**ISSN** 1073449X

**Database** CINAHL

- Available in full text at American Journal of Respiratory and Critical Care Medicine from ProQuest

Leveraging Transcriptomics to Disentangle Sepsis Heterogeneity.

**Author(s)** Wong, Hector R.; Marshall, John C.

**Source** American Journal of Respiratory & Critical Care Medicine; Aug 2017; vol. 196 (no. 3); p. 258-260

**Language** English

**Publication Date** Aug 2017

**ISSN** 1073449X

**Database** CINAHL

- Available in full text at American Journal of Respiratory and Critical Care Medicine from ProQuest

Early Expansion of Circulating Granulocytic Myeloid-derived Suppressor Cells Predicts Development of Nosocomial Infections in Patients with Sepsis.

**Author(s)** Uhel, Fabrice; Azzaoui, Imane; Grégoire, Murielle; Pangault, Céline; Dulong, Joelle et al.

**Source** American Journal of Respiratory & Critical Care Medicine; Aug 2017; vol. 196 (no. 3); p. 315-327

**Language** English

**Publication Date** Aug 2017

**DOI** 10.1164/rccm.201606-1143OC

**ISSN** 1073449X

**Database** CINAHL

- Available in full text at American Journal of Respiratory and Critical Care Medicine from ProQuest

Shared and Distinct Aspects of the Sepsis Transcriptomic Response to Fecal Peritonitis and Pneumonia.

**Author(s)** Burnham, Katie L.; Davenport, Emma E.; Radhakrishnan, Jayachandran; Humburg, Peter; Gordon, Anthony C. et al.
Is Early Goal-Directed Therapy Harmful to Patients With Sepsis and High Disease Severity?

**Author(s)** Kalil, Andre C.; Kellum, John A.

**Source** Critical Care Medicine; Aug 2017; vol. 45 (no. 8); p. 1265-1267

**Language** English

**Publication Date** Aug 2017

**DOI** 10.1097/CCM.0000000000002513

**ISSN** 00903493

**Database** CINAHL

**Show Abstract**

An introduction is presented in which the editor discusses the topics discussed within the issue including the treatment effect of early goal-directed therapy (EGDT) and evaluation of survival outcomes in patients enrolled in the Protocolized Care for Early Septic Shock (ProCESS) trial.

Available in full text at Critical Care Medicine from Ovid

Sequential Analysis of a Panel of Biomarkers and Pathologic Findings in a Resuscitated Rat Model of Sepsis and Recovery.

**Author(s)** Arulkumaran, Nishkantha; Sixma, Marije L.; Jentho, Elisa; Ceravola, Elias; Bass, Paul S. et al.

**Source** Critical Care Medicine; Aug 2017; vol. 45 (no. 8)

**Language** English

**Publication Date** Aug 2017

**DOI** 10.1097/CCM.0000000000002381

**ISSN** 00903493

**Database** CINAHL

Available in full text at Critical Care Medicine from Ovid

Improved Survival in a Long-Term Rat Model of Sepsis Is Associated With Reduced Mitochondrial Calcium Uptake Despite Increased Energetic Demand.

**Author(s)** Pinto, Bernardo B.; Dyson, Alex; Umbrello, Michele; Carré, Jane E.; Ritter, Cristiane et al.

**Source** Critical Care Medicine; Aug 2017; vol. 45 (no. 8)

**Language** English

**Publication Date** Aug 2017

**DOI** 10.1097/CCM.0000000000002448

**ISSN** 00903493

**Database** CINAHL

Available in full text at Critical Care Medicine from Ovid


**Author(s)** Tzu Chang; Yu-Kang Tu; Chen-Tse Lee; Chao, Anne; Chi-Hsiang Huang et al.
**Timely identification of sepsis.**

Author(s) Rebeaud, Fabien

Source MLO: Medical Laboratory Observer; Aug 2017; vol. 49 (no. 8); p. 26-28

Language English

Publication Date Aug 2017

ISSN 05807247

Database CINAHL

- Available in full text at Medical Laboratory Observer from ProQuest
- Available in full text at MLO: Medical Laboratory Observer from EBSCOhost

**Sepsis guidelines and diagnostics: Current impact and future outlook.**

Author(s) Powell, Scott

Source MLO: Medical Laboratory Observer; Aug 2017; vol. 49 (no. 8); p. 30-31

Language English

Publication Date Aug 2017

ISSN 05807247

Database CINAHL

- Available in full text at Medical Laboratory Observer from ProQuest
- Available in full text at MLO: Medical Laboratory Observer from EBSCOhost

**Rapid testing aids in the early diagnosis of sepsis.**

Author(s) Ludvigson, David

Source MLO: Medical Laboratory Observer; Aug 2017; vol. 49 (no. 8); p. 34-35

Language English

Publication Date Aug 2017

ISSN 05807247

Database CINAHL

- Available in full text at Medical Laboratory Observer from ProQuest
- Available in full text at MLO: Medical Laboratory Observer from EBSCOhost

**In-Hospital Quality-of-Care Measures for Pediatric Sepsis Syndrome.**

Author(s) Odetola, Folafolua O.; Freed, Gary; Shevrin, Caroline; Madden, Brian; McCormick, Julie et al.

Source Pediatrics; Aug 2017; vol. 140 (no. 2); p. 1-8

Language English

Publication Date Aug 2017

DOI 10.1542/peds.2017-0350

ISSN 00314005

Database CINAHL

- Available in full text at Pediatrics from Highwire Press
A randomized pilot study of parenteral glutamine supplementation in severe sepsis.

Author(s) Poulose, Vijo; Koh, Jansen; Tay Tunn Ren; Wong Hang Siang; Wee, Ian et al.

Source Critical Care & Shock; Jul 2017; vol. 20 (no. 3); p. 61-67

Language English

Publication Date Jul 2017

ISSN 14107767

Database CINAHL

- Available in full text at Critical Care & Shock from EBSCOhost

Sepsis-Associated 30-Day Risk-Standardized Readmissions: Analysis of a Nationwide Medicare Sample.

Author(s) Norman, Brett C.; Ely, E. Wes; Graves, John A.; Cooke, Colin R.

Source Critical Care Medicine; Jul 2017; vol. 45 (no. 7); p. 1130-1137

Language English

Publication Date Jul 2017

DOI 10.1097/CCM.0000000000002476

ISSN 00903493

Database CINAHL

- Available in full text at Critical Care Medicine from Ovid

Library Resources

The books listed below are a selection of those that can be found at the library. To search the library catalogue in full, visit swims.nhs.uk.

**ABC of sepsis (2010)**

Daniels, Ron (Editor)

WC240 Book

In the News

**Boy, six, dies of sepsis after repeatedly being sent home with Calpol**

In-depth Metro 12 Aug 2017

**Mother-of-two sues hospital for amputating her leg after she developed life-threatening sepsis while being treated**

Daily Mail 4 Aug 2017
New role to help reduce deaths at Ipswich Hospital from sepsis and acute kidney injury
Ipswich Star 11 Aug 2017

Wincanton wife and mother died of sepsis after surgery at Yeovil Hospital, inquest concludes
Somerset Live 11 Aug 2017

Lincolnshire hospitals taking action to help reduce sepsis
Gainsborough Standard 8 Aug 2017

This current awareness bulletin contains an inexhaustive selection of information that has not been critically appraised by library staff. It is therefore the responsibility of the reader to appraise this information for accuracy and relevance.

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