SEPSIS – Current Awareness

123,000 cases of sepsis occur in England annually with approximately 37,000 deaths each year.
To keep you up to date, Imperial College Library has compiled a selection of the latest evidence in this important area including guidance, research, e-learning & more.

Guidelines, Guidance and Toolkits

- **International Guidelines for Management of Sepsis and Septic Shock: 2016**
  Surviving Sepsis Campaign, January 2017

- **Sepsis**
  Royal College of Nursing, December 2016

- **NICE Guideline [NG51] Sepsis: recognition, diagnosis and early management**
  NICE Guidance, July 2016

- **CytoSorb therapy for sepsis**
  NICE Guidance (Medtech innovation briefing), November 2016

- **Clinical Toolkit 8: Laboratory handling and reporting of blood cultures.**
  The Sepsis Trust. Sept 2015

- **Sepsis Toolkit**
  Royal College of General Practitioners, September 2016
Evidence Summaries & Reviews

**Automated monitoring for the early detection of sepsis in critically ill patients**
Cochrane Database of Systematic Reviews, October 2016

**Clinical features, evaluation, and diagnosis of sepsis in term and late preterm infants**
UptoDate, April 2016

**Corticosteroids for treating sepsis**
UK Database of Uncertainties about the Effects of Treatments (UK DUETs), January 2016

**Effectiveness and safety of procalcitonin evaluation for reducing mortality in adults with sepsis, severe sepsis or septic shock**
Cochrane Database of Systematic Reviews, January 2017

**How do corticosteroids affect outcomes when used to treat sepsis?**
Cochrane Clinical Answers, August 2016

**Neutropenic sepsis**
NICE Clinical Knowledge Summaries, November 2015

**One dose per day compared to multiple doses per day of gentamicin for treatment of suspected or proven sepsis in neonates**
Cochrane Database of Systematic Reviews, December 2016

**Sepsis syndromes in adults: Epidemiology, definitions, clinical presentation, diagnosis, and prognosis**
UpToDate, December 2016

**Systemic inflammatory response syndrome (SIRS) and sepsis in children: Definitions, epidemiology, clinical manifestations, and diagnosis**
UpToDate, October 2016

**The heart failure drug levosimendan doesn’t improve outcomes in adults with severe infections**
NIHR Dissemination Centre, December 2016

Drugs & Medicines Information

**Blood infections**
British National Formulary, 2016

**Blood infections**

**Effectiveness and safety of procalcitonin evaluation for reducing mortality in adults with sepsis, severe sepsis or septic shock**
Cochrane Database of Systematic Reviews, 18 January 2017

**NICE Bites: Sepsis**
North West Medicines Information Specialist Pharmacy Service, September 2016
Information for Patients

Sepsis
NHS Choices. 24 February 2016

Adult Sepsis Safety Net
Patient with The UK Sepsis Trust

Child Sepsis Safety Net
Patient with The UK Sepsis Trust

E-Learning and Training

Think Sepsis
e-Learning for Healthcare, 2016 – sign in with your OpenAthens account

Sepsis Savvy
The UK Sepsis Trust

Resources for the detection and management of deterioration in adult patients
NHS Improvement, July 2016

Severe Sepsis and Septic Shock: Diagnosis and Management
BMJ Learning, April 2016 – sign in with your OpenAthens account

Recent Journal Articles

Most articles are available with your NICE OpenAthens account. Sign in when prompted. Articles marked “Library PCs” are accessible on a library computers. Articles marked “Open access” are free for anyone to read. No login is required.

A randomised controlled trial of the probiotic Bifidobacterium breve BBG-001 in preterm babies to prevent sepsis, necrotising enterocolitis and death: the Probiotics in Preterm infantS (PIPS) trial.
Costeloe K, Bowler U, Brocklehurst P. Health Technology Assessment. 2016;20(66). (Open access)

A complex endeavour: An ethnographic study of the implementation of the Sepsis Six clinical care bundle.

A users’ guide to the 2016 Surviving Sepsis Guidelines.
Dellinger R.P.; Schorr C.A.; Levy M.M. Intensive Care Medicine; Jan 2017; p. 1-5. (OpenAthens)

Assessment and management of the septic patient: part 1.
Vaughan, Jody; Parry, Andy. British Journal of Nursing; Sep 2016; vol. 25 (no. 17); p. 958-964. (OpenAthens)

Assessment and management of the septic patient: part 2.
Vaughan, Jody; Parry, Andy. British Journal of Nursing; Nov 2016; vol. 25 (no. 21); p. 1196-1200. (OpenAthens)
Don't Go Chasing Waterfalls: Excessive Fluid Resuscitation in Severe Sepsis and Septic Shock.
Chen, Leon. *Critical Care Nursing Quarterly*; 2016; vol. 39 (no. 1); p. 34-37. (OpenAthens)

Effect of early goal directed therapy in the treatment of severe sepsis and/or septic shock.
Liu B, Ding X and Yang J. *Current Medical Research and Opinion*. 2016;32(11) p1773-1782. (Library PCs)

Exposing the source of sepsis in the older patient: have you checked the catheter?
George, Ellul, Serag et al. *Age & Ageing*; Nov 2016; vol. 45 (no. 6); p. 912-912. (OpenAthens)

Stoll, Barbara J. *Pediatrics*; Dec 2016; vol. 138 (no. 6); p. 30-32. (OpenAthens)

Hospital-related cost of sepsis: A systematic review.

Managing Maternal Sepsis: Early Warning Criteria to ECMO.
Padilla, C. *Clinical Obstetrics and Gynecology*; Jan 2017. (OpenAthens)

Pharmacist impact on time to antibiotic administration in patients with sepsis in an ED.
Moussavi, Kayvan; Nikitenko, Vitaliy. *American Journal of Emergency Medicine*; Nov 2016; vol. 34 (no. 11); p. 2117-2121. (OpenAthens)

Protocolized Early Sepsis Care Is Not Only Helpful for Patients: It Prevents Medical Errors.
Coz Yataco A.; Jaehne A.K.; Rivers E.P. *Critical Care Medicine*; Jan 2017. (OpenAthens)

Scripting nurse communication to improve sepsis care.
Drahnak, Dawn; Hravnak, Marilyn; Ren, Dianxu. *MedSurg Nursing*; 2016; vol. 25 (no. 4); p. 233-239. (OpenAthens)

Suspected sepsis: summary of NICE guidance.
Freitag, Andreas; Constanti, Margaret; O'Flynn, Norma. *BMJ (Clinical Research Edition)*; Aug 2016; vol. 354 (no. 8069); p. i4030. (OpenAthens)

Unraveling the Mysterious Relationship Between Obesity and Outcomes in Patients With Sepsis.
Savel, Richard H.; Simon, Ronald J.; Kupfer, Yizhak. *Critical Care Medicine*; Nov 2016; vol. 44 (no. 11); p. 2104-2105. (OpenAthens)

Woman dies after infection with bacteria resistant to all antibiotics available in US.

**Selected Library Books and Chapters**
For location and availability please check [Library Search](#) the Imperial College Library catalogue.

*ABC of sepsis*

*Oxford Medicine Online*
Sign in with your OpenAthens account.


*Preoperative Antibiotics and Prevention of Sepsis in Genitourinary Surgery* (E-Book Chapter – Library computers only). Smith's Textbook of Endourology, Section 1: Basic Principles, Chapter 4, p.38-52

*Sepsis: symptoms, diagnosis and treatment*
Brown, Joseph R. New York: Nova Biomedical c2010

*Smith’s Textbook of Endourology, Section 1: Basic Principles*, Chapter 4, p.38-52. "Preoperative Antibiotics and Prevention of Sepsis in Genitourinary Surgery". (E-Book Chapter – Library computers only).

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