

Sepsis

Current Awareness Bulletin

May 2021

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Systematic Reviews

[Antibiotic regimens for early-onset neonatal sepsis](#)

Steven Kwasi Korang, Sanam Safi, Chiara Nava, Adrienne Gordon, Munish Gupta, Gorm Greisen, Ulrik Lausten-Thomsen, Janus C Jakobsen

Intervention

Review

17 May 2021

Neonatal sepsis is a major cause of morbidity and mortality. Despite the high burden of neonatal sepsis, high-quality evidence in diagnosis and treatment is scarce.

[Antibiotic regimens for late-onset neonatal sepsis](#)

Steven Kwasi Korang, Sanam Safi, Chiara Nava, Gorm Greisen, Munish Gupta, Ulrik Lausten-Thomsen, Janus C Jakobsen

Intervention

Review

8 May 2021

Neonatal sepsis is a major cause of morbidity and mortality. It is the third leading cause of neonatal mortality globally constituting 13% of overall neonatal mortality .

Point of Care

UpToDate®

[Sepsis syndromes in adults: Epidemiology, definitions, clinical presentation, diagnosis, and prognosis](#)

Literature review current through: Apr 2021. | This topic last updated: Feb 03, 2020.

[Evaluation and management of suspected sepsis and septic shock in adults](#)

Literature review current through: Apr 2021. | This topic last updated: Mar 04, 2021.

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

Literature review current through: Apr 2021. | This topic last updated: May 29, 2020.

BMJ Best Practice

[Sepsis in children](#)

Last reviewed: 27 Apr 2021

Last updated: 19 May 2021

[Sepsis in adults](#)

Last reviewed: 27 Apr 2021

Last updated: 20 Mar 2020

Journal Articles

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

NICE Healthcare Databases

[A simple measure to improve sepsis documentation and coding.](#)

Author(s) Arberry ; Henry, Zanya; Corrah, Tumena

Source Clinical Medicine; May 2021; vol. 21 (no. 3); p. 222-225

Language English

Publication Date May 2021

DOI [10.7861/clinmed.2020-0868](#)

ISSN 14702118

Database CINAHL

Despite requiring ongoing education and encouragement of clinicians and coders, implementation of the template was quick, cheap and easy and improved sepsis coding.

- [Available in full text at Clinical medicine \(London, England\) from ProQuest \(Health Research Premium\) - NHS Version](#)
- [Available in full text at Clinical medicine \(London, England\) from Unpaywall](#)

[Decreased antibiotic exposure using a procalcitonin protocol for respiratory infections and sepsis in US community hospitals \(ProCommunity\).](#)

Author(s) DeSear ; Thompson-Leduc, Philippe; Van Schooneveld, Trevor C.; Kirson, Noam; Chritton, Jacqueline J. [et al.](#)

Source Current Medical Research & Opinion; May 2021; vol. 37 (no. 5); p. 727-733

Language English

Publication Date May 2021

DOI [10.1080/03007995.2021.1893675](#)

ISSN 03007995

Database CINAHL

- [Available in full text at Current medical research and opinion from Unpaywall](#)

[Lung-protective ventilation increases cerebral metabolism and non-inflammatory brain injury in porcine experimental sepsis.](#)

Author(s) Nyberg ; Gremo, Erik; Blixt, Jonas; Sperber, Jesper; Larsson, Anders [et al.](#)

Source BMC Neuroscience; Apr 2021; vol. 22 (no. 1); p. 1-11

Language English

Publication Date Apr 2021

DOI [10.1186/s12868-021-00629-0](#)

ISSN 14712202

Database CINAHL

- [Available in full text at BMC Neuroscience from BioMed Central](#)
- [Available in full text at BMC Neuroscience from Europe PubMed Central - Open Access](#)
- [More full-text links...](#)

[Trajectories of depression in sepsis survivors: an observational cohort study.](#)

Author(s) Boede ; Gensichen, Jochen S.; Jackson, James C.; Eißler, Fiene; Lehmann, Thomas [et al.](#)

Source Critical Care; Apr 2021; vol. 25 (no. 1); p. 1-11

Language English

Publication Date Apr 2021

DOI [10.1186/s13054-021-03577-7](#)

ISSN 13648535

Database CINAHL

- [Available in full text at Critical Care from BioMed Central](#)
- [Available in full text at Critical Care from Europe PubMed Central - Open Access](#)
- [More full-text links...](#)

[Serial measurement of pancreatic stone protein for the early detection of sepsis in intensive care unit patients: a prospective multicentric study.](#)

Author(s) Pugin ; Daix, Thomas; Pagani, Jean-Luc; Morri, Davide; Giacomucci, Angelo [et al.](#)

Source Critical Care; Apr 2021; vol. 25 (no. 1); p. 1-9

Language English

Publication Date Apr 2021

DOI [10.1186/s13054-021-03576-8](#)

ISSN 13648535

Database CINAHL

- [Available in full text at Critical Care from BioMed Central](#)
- [Available in full text at Critical Care from Europe PubMed Central - Open Access](#)
- [More full-text links...](#)

[Assessment of patients with suspected sepsis in ambulance services: a qualitative interview study.](#)

Author(s) Olander ; Bremer, Anders; Sundler, Annelie J.; Hagiwara, Magnus Andersson; Andersson, Henrik

Source BMC Emergency Medicine; Apr 2021; vol. 21 (no. 1); p. 1-9

Language English

Publication Date Apr 2021

DOI [10.1186/s12873-021-00440-4](#)

ISSN 1471227X

Database CINAHL

- [Available in full text at BMC emergency medicine from BioMed Central](#)
- [Available in full text at BMC emergency medicine from Europe PubMed Central - Open Access](#)
- [More full-text links...](#)

[Recognition and management of neonatal sepsis.](#)

Author(s) Crocker ; White, Ayesha; Heaton, Paul Anthony; Horta, Débora Pascoal; Paul, Siba Prosad

Source British Journal of Nursing; Apr 2021; vol. 30 (no. 7); p. 410-415

Language English

Publication Date Apr 2021

DOI [10.12968/bjon.2021.30.7.410](#)

ISSN 09660461

Database CINAHL

The authors have adapted National Institute for Health and Care Excellence guidelines to produce an evidence-based approach to the management of an infant with suspected sepsis, and describe the roles of nurses in ensuring effective treatment and best outcomes for these babies.

- [Available in full text at British Journal of Nursing from MAG Online Library](#)

[Independent predictors for 90-day readmission of emergency department patients admitted with sepsis: a prospective cohort study.](#)

Author(s) Stenholt ; Abdullah, S. M. Osama Bin; Sørensen, Rune Husås; Nielsen, Finn Erland

Source BMC Infectious Diseases; Apr 2021; vol. 21 (no. 1); p. 1-10

Language English

Publication Date Apr 2021

DOI [10.1186/s12879-021-06007-9](#)

ISSN 14712334

Database CINAHL

- [Available in full text at BMC Infectious Diseases from BioMed Central](#)
- [Available in full text at BMC Infectious Diseases from Europe PubMed Central - Open Access](#)
- [More full-text links...](#)

[How do hospitals respond to cross price incentives inherent in diagnosis-related groups systems? The importance of substitution in the market for sepsis conditions.](#)

Author(s) Bäuml

Source Health Economics; Apr 2021; vol. 30 (no. 4); p. 711-728

Language English

Publication Date Apr 2021

DOI [10.1002/hec.4215](#)

ISSN 10579230

Database CINAHL

- [Available in full text at Health Economics from Wiley Online Library Medicine and Nursing Collection 2020](#)
- [Available in full text at Health Economics from Unpaywall](#)

[Detection and significance of green inclusions in peripheral blood neutrophils and monocytes...Shackleton L, Melotti D, Leddy C et al. Green neutrophilic inclusions in meningococcal sepsis. International Journal of Laboratory Hematology. 2021, \(43\), 2, e95-e96.](#)

Author(s) Merino ; Molina, Angel; Rodríguez-García, María; Vicente-Steijn, Rebecca; Tomé, Adriá [et al.](#)

Source International Journal of Laboratory Hematology; Apr 2021; vol. 43 (no. 2)

Language English

Publication Date Apr 2021

DOI [10.1111/ijlh.13421](#)

ISSN 17515521

Database CINAHL

- [Available in full text at International Journal of Laboratory Hematology from Wiley Online Library Medicine and Nursing Collection 2020](#)

[Identification of novel sublingual parameters to analyze and diagnose microvascular dysfunction in sepsis: the NOSTRADAMUS study.](#)

Author(s) Rovas ; Sackarnd, Jan; Rossaint, Jan; Kampmeier, Stefanie; Pavenstädt, Hermann [et al.](#)

Source Critical Care; Mar 2021; vol. 25 (no. 1); p. 1-14

Language English

Publication Date Mar 2021

DOI [10.1186/s13054-021-03520-w](#)

ISSN 13648535

Database CINAHL

- [Available in full text at Critical care \(London, England\) from BioMed Central](#)
- [Available in full text at Critical care \(London, England\) from Europe PubMed Central - Open Access](#)
- [More full-text links...](#)

[Emerging benefits and drawbacks of \$\alpha_2\$ -adrenoceptor agonists in the management of sepsis and critical illness.](#)

Author(s) Lankadeva ; Shehabi, Yahya; Deane, Adam M.; Plummer, Mark P.; Bellomo, Rinaldo [et al.](#)

Source British Journal of Pharmacology; Mar 2021; vol. 178 (no. 6); p. 1407-1425

Language English

Publication Date Mar 2021

DOI [10.1111/bph.15363](#)

ISSN 00071188

Database CINAHL

Agonists of α_2 -adrenoceptors are increasingly being used for the provision of comfort, sedation and the management of delirium in critically ill patients, with and without sepsis. In this context, increased sympathetic and inflammatory activity are common pathophysiological features linked to multi-organ dysfunction, particularly in patients with sepsis or those undergoing cardiac surgery requiring cardiopulmonary bypass.

- [Available in full text at British journal of pharmacology from Wiley Online Library](#)

['We always find things to learn from.' Lessons from the implementation of the global maternal sepsis study on research capacity: a qualitative study.](#)

Author(s) Compaoré ; Brizuela, Vanessa; Khisa, Anne M.; Gómez, Alejandra López; Baguiya, Adama [et al.](#)

Source BMC Health Services Research; Mar 2021; vol. 21 (no. 1); p. 1-11

Language English

Publication Date Mar 2021

DOI [10.1186/s12913-021-06195-9](#)

ISSN 14726963

Database CINAHL

- [Available in full text at BMC Health Services Research from BioMed Central](#)
- [Available in full text at BMC Health Services Research from Europe PubMed Central - Open Access](#)
- [More full-text links...](#)

[Pre-hospital use of early warning scores to improve detection and outcomes of sepsis.](#)

Author(s) Maciver

Source British Journal of Community Nursing; Mar 2021; vol. 26 (no. 3); p. 122-128

Language English

Publication Date Mar 2021

DOI [10.12968/bjcn.2021.26.3.122](#)

ISSN 14624753

Database CINAHL

Sepsis is a life-threatening complication from infection. The early detection of sepsis pre-hospital is challenging. Early warning scores (EWS) are used in hospitals to identify deteriorating patients. The pre-hospital setting could be a beneficial extension to the use of EWSs. This review aimed to determine whether EWSs can identify patients with sepsis pre-hospital and predict patient outcomes.

- [Available in full text at British journal of community nursing from MAG Online Library](#)

[The role of pro-opiomelanocortin in the ACTH-cortisol dissociation of sepsis.](#)

Author(s) Téblick ; Vander Perre, Sarah; Pauwels, Lies; Derde, Sarah; Van Oudenhove, Tim [et al.](#)

Source Critical Care; Feb 2021; vol. 25 (no. 1); p. 1-14

Language English

Publication Date Feb 2021

DOI [10.1186/s13054-021-03475-y](#)

ISSN 13648535

Database CINAHL

Together, these findings suggest that increased circulating POMC, through CRH/AVP-driven POMC expression and impaired processing into ACTH, could represent a new piece in the puzzling ACTH-cortisol dissociation.

- [Available in full text at Critical care \(London, England\) from BioMed Central](#)
- [Available in full text at Critical care \(London, England\) from Europe PubMed Central - Open Access](#)
- [More full-text links...](#)

[Angiopietin-2 outperforms other endothelial biomarkers associated with severe acute kidney injury in patients with severe sepsis and respiratory failure.](#)

Author(s) Yu ; McNeil, J. Brennan; Wickersham, Nancy E.; Shaver, Ciara M.; Bastarache, Julie A. [et al.](#)

Source Critical Care; Feb 2021; vol. 25 (no. 1); p. 1-12

Language English

Publication Date Feb 2021

DOI [10.1186/s13054-021-03474-z](#)

ISSN 13648535

Database CINAHL

Among four biomarkers of endothelial dysfunction and injury, angiopietin-2 had the most robust independent association with development of severe AKI in patients with severe sepsis and ARF. Plasma angiopietin-2 levels were also associated with other organ dysfunctions, non-pulmonary sepsis, and death. These findings highlight the importance of early endothelial dysfunction and injury in the pathogenesis of sepsis-induced AKI.

- [Available in full text at Critical care \(London, England\) from BioMed Central](#)
- [Available in full text at Critical care \(London, England\) from Europe PubMed Central - Open Access](#)
- [More full-text links...](#)

[Evaluation of a novel approach to recognising community-acquired paediatric sepsis at ED triage by combining an electronic screening algorithm with clinician assessment.](#)

Author(s) Gomes ; Wood, Darryl; Ayis, Salma; Haliasos, Nikolaos; Roland, Damian

Source Emergency Medicine Journal; Feb 2021; vol. 38 (no. 2); p. 132-138

Language English

Publication Date Feb 2021

DOI [10.1136/emered-2019-208746](#)

ISSN 14720205

Database CINAHL

- [Available in full text at Emergency Medicine Journal from BMJ Journals - NHS](#)

[Final year nursing student's exposure to education and knowledge about sepsis: A multi-university study.](#)

Author(s) Harley ; Massey, Debbie; Ullman, Amanda J.; Reid-Searl, Kerry; Schlapbach, Luregn J. [et al.](#)

Source Nurse Education Today; Feb 2021; vol. 97

Language English

Publication Date Feb 2021

DOI [10.1016/j.nedt.2020.104703](#)

ISSN 02606917

Database CINAHL

Sepsis is a leading cause of death and disability in adults and children. Evidence suggests that early recognition and management can significantly improve patient outcomes, therefore education of healthcare workers around sepsis is critical. Little is known about the preparation of final year nursing students regarding recognition and response to sepsis. To explore Australian final year nursing student's exposure to and knowledge of sepsis, and their awareness of the importance of early recognition, escalation and management of patients with sepsis.

[Recognising sepsis.](#)

Author(s) MORROW

Source Practice Nurse; Feb 2021; vol. 51 (no. 2); p. 28-33

Language English

Publication Date Feb 2021

ISSN 09536612

Database CINAHL

The article focuses on the treatment of sepsis. It mentions that condition carries a high mortality rate and, for survivors, is associated with long-term physical, psychological and cognitive impairments, and early recognition and prompts needed for the treatment. It also mentions that early suspicion of a diagnosis of sepsis combined with aggressive treatment is likely to reduce the rates of complications and death.

[Sepsis is associated with mitochondrial DNA damage and a reduced mitochondrial mass in the kidney of patients with sepsis-AKI.](#)

Author(s) van der Slikke ; Star, Bastiaan S.; van Meurs, Matijs; Henning, Robert H.; Moser, Jill [et al.](#)

Source Critical Care; Jan 2021; vol. 25 (no. 1); p. 1-13

Language English

Publication Date Jan 2021

DOI [10.1186/s13054-020-03424-1](#)

ISSN 13648535

Sepsis-AKI induces mitochondrial DNA damage in the human kidney, without upregulation of mitochondrial quality control mechanisms, which likely resulted in a reduction in mitochondrial mass.

- [Available in full text at Critical care \(London, England\) from BioMed Central](#)
- [Available in full text at Critical care \(London, England\) from Europe PubMed Central - Open Access](#)
- [More full-text links...](#)

[Acute on chronic back pain as the presentation of an occult foreign body bowel perforation with resultant epidural abscess, osteomyelitis and sepsis.](#)

Author(s) Guthrie ; Fazio, Michael; Anderson, Todd; Carroll, Christine

Source BMJ Case Reports; Jan 2021; vol. 14 ; p. 1-3

Language English

Publication Date Jan 2021

DOI [10.1136/bcr-2020-238320](#)

ISSN 1757790X

Database CINAHL

A 29-year-old male paratrooper presented to multiple emergency departments (EDs) and his primary provider multiple times over sequential days. Each time, the patient received the same diagnosis of acute on chronic back pain.

- [Available in full text at BMJ case reports from ProQuest \(Health Research Premium\) - NHS Version](#)

[The utility of the rapid emergency medicine score \(REMS\) compared with SIRS, qSOFA and NEWS for Predicting in-hospital Mortality among Patients with suspicion of Sepsis in an emergency department.](#)

Author(s) Ruangsomboon ; Boonmee, Phetsinee; Limsuwat, Chok; Chakorn, Tipa; Monsomboon, Apichaya

Source BMC Emergency Medicine; Jan 2021; vol. 21 (no. 1); p. 1-13

Language English

Publication Date Jan 2021

DOI [10.1186/s12873-020-00396-x](#)

ISSN 1471227X

Database CINAHL

REMS was an early warning score with higher accuracy than sepsis-related scores (qSOFA and SIRS), similar to NEWS, and had the highest utility in terms of net benefit compared to SIRS, qSOFA and NEWS in predicting in-hospital mortality in patients presenting to the ED with suspected sepsis.

- [Available in full text at BMC emergency medicine from BioMed Central](#)
- [Available in full text at BMC emergency medicine from Europe PubMed Central - Open Access](#)
- [More full-text links...](#)

[Sepsis in children: how to spot the signs.](#)

Author(s) Pearce, Lynne

Source Nursing Children & Young People; Jan 2021 ; p. 7-7

Language English

Publication Date Jan 2021

DOI [10.7748/ncyp.33.1.7.s3](#)

ISSN 20462336

Database CINAHL

Essential information: Sepsis is a rare, life-threatening condition arising when the body's response to infection causes injury to its own tissues and organs. National Institute for Health and Care Excellence (NICE) guidance states that the condition is difficult to diagnose with certainty. Signs and symptoms can be non-specific and although there may be a history of infection, fever may not be present.

[Association of inflammatory biomarkers with subsequent clinical course in suspected late onset sepsis in preterm neonates.](#)

Author(s) Kurul ; Simons, Sinno H. P.; Ramakers, Christian R. B.; De Rijke, Yolanda B.; Kornelisse, René F. [et al.](#)

Source Critical Care; Jan 2021; vol. 25 (no. 1); p. 1-10

Language English

Publication Date Jan 2021

DOI [10.1186/s13054-020-03423-2](#)

ISSN 13648535

Database CINAHL

Our findings show that serum IL-6 and PCT levels at moment of suspected late onset neonatal sepsis offer valuable information about sepsis severity and mortality risk in infants born below 32 weeks of gestation. The discriminative value was superior to that of CRP. Determining these biomarkers in suspected sepsis may help identify patients with imminent severe sepsis, who may require more intensive monitoring and therapy.

- [Available in full text at Critical care \(London, England\) from BioMed Central](#)
- [Available in full text at Critical care \(London, England\) from Europe PubMed Central - Open Access](#)
- [More full-text links...](#)

[Spotting the signs of sepsis in children.](#)

Author(s) Pearce, Lynne

Source Emergency Nurse; Jan 2021 ; p. 12-12

Language English

Publication Date Jan 2021

DOI [10.7748/en.29.1.12.s10](#)

ISSN 13545752

Database CINAHL

Essential information: Sepsis is a rare, life-threatening condition arising when the body's response to infection causes injury to its own tissues and organs. National Institute for Health and Care Excellence guidance states that the condition is difficult to diagnose with certainty.

[Should ascorbic acid be a primary therapy for sepsis in prehospital settings?](#)

Author(s) Law

Source Journal of Paramedic Practice; Jan 2021; vol. 13 (no. 1); p. 33-38

Language English

Publication Date Jan 2021

DOI [10.12968/jpar.2021.13.1.33](#)

ISSN 17591376

Database CINAHL

Intravenous ascorbic acid appears to be a safe and effective therapy in treating septic patients, with the potential to reduce mortality rates if given prophylactically. However, a series of clinical trials would need to be conducted to measure the extent of any improvement and therefore clinical value in the prehospital environment.

- [Available in full text at Journal of Paramedic Practice from MAG Online Library](#)

[Lumbosacral spondylodiscitis complicated by sepsis, osteomyelitis, epidural abscess formation and deep vein thrombosis.](#)

Author(s) Bonello ; Vassallo, Christian; Cassar, Paul John

Source BMJ Case Reports; Dec 2020; vol. 13 ; p. 1-4

Language English

Publication Date Dec 2020

DOI [10.1136/bcr-2020-238522](#)

ISSN 1757790X

Database CINAHL

A 71-year-old man presented with a 3-month history of low back pain radiating to his right hip and thigh associated with lower limb weakness and constitutional symptoms. Imaging confirmed a lumbosacral spondylodiscitis at L2–3 and L5–S1 as well as a rightside psoas abscess which was treated with urgent CT-guided drainage and intravenous antibiotics.

- [Available in full text at BMJ Case Reports from ProQuest \(Health Research Premium\) - NHS Version](#)

[Bilateral adrenal haemorrhage complicated by sepsis, coagulopathy, influenza A and adrenal crisis.](#)

Author(s) Mulvihill ; Gannon, Martin; Balasubramaniam, Ananthapadmanaban; Fitzpatrick, John

Source BMJ Case Reports; Dec 2020; vol. 13 ; p. 1-3

Language English

Publication Date Dec 2020

DOI [10.1136/bcr-2020-238628](#)

ISSN 1757790X

Database CINAHL

Bilateral adrenal haemorrhage is a rare and often fatal condition that most commonly occurs under conditions of severe physiological stress. We describe a 33-year-old male patient with ulcerative colitis who presented with acute worsening epigastric pain, vomiting and raised inflammatory markers. Initial differentials included gastritis and peptic ulceration. Gastroscopy revealed no abnormalities.

[Burkholderia pseudomallei sepsis with osteoarticular melioidosis of the hip in a patient with diabetes mellitus.](#)

Author(s) Boyer ; Woods, Marion L.

Source BMJ Case Reports; Dec 2020; vol. 13 ; p. 1-4

Language English

Publication Date Dec 2020

DOI [10.1136/bcr-2020-238200](#)

ISSN 1757790X

Database CINAHL

Melioidosis is caused by the tropical soil pathogen *Burkholderia pseudomallei*. Infection, usually in the form of pneumonia, disproportionately affects people with a risk factor for immune dysregulation and mortality remains high even with treatment. Climate change and increasing rates of diabetes render the populations of endemic areas increasingly vulnerable to the disease, which is emerging as a serious global health threat.

- [Available in full text at BMJ Case Reports from ProQuest \(Health Research Premium\) - NHS Version](#)

[Role of extracorporeal membrane oxygenation in children with sepsis: a systematic review and meta-analysis.](#)

Author(s) Ramanathan ; Yeo, Nicholas; Alexander, Peta; Raman, Lakshmi; Barbaro, Ryan [et al.](#)

Source Critical Care; Dec 2020; vol. 24 (no. 1); p. 1-10

Language English

Publication Date Dec 2020

DOI [10.1186/s13054-020-03418-z](#)

ISSN 13648535

Database CINAHL

Survival rates of children with sepsis needing ECMO was 59%. Neonates had higher survival rates (73%); gram positive organisms accounted for most common infections in children needing ECMO. Despite limitations, pooled survival data from this review indicates consideration of ECMO in refractory septic shock for all pediatric age groups.

- [Available in full text at Critical care \(London, England\) from BioMed Central](#)
- [Available in full text at Critical care \(London, England\) from Europe PubMed Central - Open Access](#)
- [More full-text links...](#)

[Synergistic effects of sepsis and prematurity on neonatal postoperative mortality.](#)

Author(s) Mpoly ; Shepherd, Edward G.; Thakkar, Rajan K.; Dairo, Olamide O.; Tobias, Joseph D. [et al.](#)

Source BJA: The British Journal of Anaesthesia; Dec 2020; vol. 125 (no. 6); p. 1056-1063

Language English

Publication Date Dec 2020

DOI [10.1016/j.bja.2020.07.026](#)

ISSN 00070912

Database CINAHL

Approximately half of postsurgical mortality and complications were attributable to the combined effect of sepsis and prematurity among neonates with both exposures. These neonates typically died within a few days after surgery, indicating a very narrow window of opportunity to predict and prevent mortality. Clinical Trial Number and Registry: Not applicable.

[Recognition and management of sepsis: the nurse's role.](#)

Author(s) Bleakley ; Cole, Mark

Source British Journal of Nursing; Nov 2020; vol. 29 (no. 21); p. 1248-1251

Language English

Publication Date Nov 2020

DOI [10.12968/bjon.2020.29.21.1248](#)

ISSN 09660461

Database CINAHL

Caring for a patient with suspected sepsis is a challenging nursing role. Early recognition and appropriate management of a patient with sepsis saves lives. Nurses play a fundamental role in detecting changes in physiological observations that could indicate the onset of sepsis. Additionally, an awareness of the pathophysiology of sepsis allows the nurse to better understand how rapid intervention prevents the onset of septic shock. Furthermore, knowledge and use of clinical guidelines and sepsis screening tools are established methods to help reduce patient mortality.

- [Available in full text at British Journal of Nursing from MAG Online Library](#)

[Preventing early-onset group B streptococcal sepsis: is there a role for rescreening near term?](#)

Author(s) Mirsky ; Carpenter, Diane M.; Postlethwaite, Debbie A.; Regenstein, Anne C.

Source Journal of Maternal-Fetal & Neonatal Medicine; Nov 2020; vol. 33 (no. 22); p. 3791-3797

Language English

Publication Date Nov 2020

DOI [10.1080/14767058.2019.1586874](#)

ISSN 14767058

Database CINAHL

Our results provide support for the current CDC recommendation against rescreening near term for those women already screened at 35-37-week gestation given the low rate of conversion from negative to positive, and the extremely low rate of early-onset GBS in the screened population.

[Mode of bacterial killing affects the inflammatory response and associated organ dysfunctions in a porcine E. coli intensive care sepsis model.](#)

Author(s) Skorup ; Maudsdotter, Lisa; Lipcsey, Miklós; Larsson, Anders; Sjölin, Jan

Source Critical Care; Nov 2020; vol. 24 (no. 1); p. 1-10

Language English

Publication Date Nov 2020

DOI [10.1186/s13054-020-03303-9](#)

ISSN 13648535

Database CINAHL

In comparison with live or heat-killed bacteria, bacteria killed by a PBP-3-active antibiotic induced an increased inflammatory response that appears to be associated with deteriorated organ and cellular function. The addition of an aminoglycoside to the PBP-3-active antibiotic reduced that response.

- [Available in full text at Critical care \(London, England\) from BioMed Central](#)
- [Available in full text at Critical care \(London, England\) from Europe PubMed Central - Open Access](#)
- [More full-text links...](#)

In the News



[Study shows link between nurse ratios and improved sepsis outcomes](#)

22 December, 2020

Boosting hospital nurse staffing levels “holds the best promise” for reducing deaths from sepsis, according to a new study based in the US.

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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