Bulletin

Microbiology

Articles

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Catheter-associated urinary tract infection: signs, diagnosis, prevention.
Davis C. British Journal of Nursing 2019;28(2):96-100.
[Catheter-associated urinary tract infection (CAUTI) is one of the most prevalent healthcare-associated infections (HAIs) in the UK and can have implications for both the patient and the health service. This article highlights those at risk, the signs and symptoms of CAUTI, diagnosis, methods of prevention and treatment. It highlights current guidance available to nurses to help ensure they are following the most recent recommendations for best practice.]
Available with an NHS OpenAthens password for eligible users

Cost-effectiveness of incisional negative pressure wound therapy compared with standard care after caesarean section in obese women: a trial-based economic evaluation.
[OBJECTIVE: To evaluate the cost-effectiveness of incisional negative pressure wound therapy (iNPWT) in preventing surgical site infection in obese women after caesarean section. DESIGN: A cost-effectiveness analysis conducted alongside a clinical trial. CONCLUSION: Incisional NPWT appears to be cost saving compared with standard dressings but this finding is not statistically significant. The cost savings were primarily found in women with a pre-pregnancy BMI ≥35 kg/m2.]
Available with an NHS OpenAthens password for eligible users

Diagnosis and management of a urinary tract infection.
[The article discusses various aspects of the nursing-related diagnosis and management of a urinary tract infection (UTI) in a patient, and it mentions bladder physiology, UTI symptoms, and treatments involving antibiotics. According to the article, a UTI can result in painful urination (dysuria). The clean-catch midstream urine and catheter specimen methods of urine collection are addressed, along with a dipstick urinalysis test and urine microscopy.]
Available with an NHS OpenAthens password for eligible users

Educational intervention to reduce treatment of asymptomatic bacteriuria in long-term care
[Fifteen-minute educational sessions were provided to LTC facility staff outlining the harms of unnecessary antibiotic use, antibiotic resistance and the diagnostic criteria of a urinary tract infection (UTI). Educational sessions were complimented with posters and pocket cards that]
summarised UTI diagnostic criteria. There was a decrease in the number of residents treated with antibiotics for ASB, from 45/50 (90%) preintervention to 22/35 (62.9%) postintervention ($\chi^2=9.087$, $p=0.003$).

**Getting the basics right: reflections on infection prevention and control.**
[The article discusses various aspects of infection prevention and control (IPC) in Great Britain as of 2019, and it mentions concerns about pathogens such as carbapenem-resistant Enterobacteriaceae (CRE) and Candida auris. Healthcare associated infection (HCAI) reduction and meticillin-resistant Staphylococcus aureus (MRSA) infections are examined, along with the use of hand hygiene, personal protective equipment, and urinary catheter management to prevent infections.]

**Recombinant Human Soluble Thrombomodulin in Sepsis-Induced Coagulopathy: An Updated Systematic Review and Meta-Analysis.**
[Even in this updated review including the latest SCARLET trial, we currently cannot make any declarative judgments about the beneficial effects of rhTM in sepsis-induced coagulopathy, although some favourable effects were suggested.]

**Books**
*New book(s) from the Library and Knowledge Service. Call into your nearest library or contact me for more information.*

**Kielhofner's research in occupational therapy: methods of inquiry for enhancing practice.**
Taylor R. 2nd ed.. Davis. 2017. Library Shelf Location: WB 555 TAY.
[With an international team of expert contributors, Renee Taylor carries on Gary Kielhofner’s innovative work in the 2nd Edition of his comprehensive research methodologies text. This guide bridges the gap between theorists and practitioners. It focuses on the relevance and logic of research to provide a practical, demystified approach to conducting applied research in the field for graduate students and clinicians.]

**Guidelines**
*The following new guidance has recently been published:*

**Antibiotic duration for bacteremia due to Enterobacteriaceae.**
[For patients with uncomplicated bacteremia due to Enterobacteriaceae who respond appropriately to antibiotic therapy, we suggest a 7- rather than 14-day treatment course.]

**Guidelines for the care and treatment of persons diagnosed with chronic hepatitis C virus**
infection.
World Health Organization (WHO); 2018.
http://www.euro.who.int/en/publications/abstracts/guidelines-for-the-care-and-treatment-of-
persons-diagnosed-with-chronic-hepatitis-c-virus-infection-2018
[These guidelines aim to provide evidence-based recommendations on the care and treatment of
persons diagnosed with chronic hepatitis C infection. They update the care and treatment section of
the WHO Guidelines for the screening, care and treatment of persons with hepatitis C infection
issued in April 2016.]
Freely available online

SGLT2 inhibitors: reports of Fournier’s gangrene (necrotising fasciitis of the genitalia or perineum).
Medicines and Healthcare Products Regulatory Agency (MHRA); 2019.
https://www.gov.uk/drug-safety-update/sglt2-inhibitors-reports-of-fournier-s-gangrene-necrotising-
fasciitis-of-the-genitalia-or-perineum
[Drug Safety Update. If Fournier’s gangrene is suspected, stop the SGLT2 inhibitor and start
treatment urgently (including antibiotics and surgical debridement). Fournier’s gangrene is a rare
but potentially life-threatening infection that requires urgent medical attention.]
Freely available online

Reports
The following report(s) may be of interest:

Antibiotic resistance: using a cultural contexts of health approach to address a global health
challenge.
World Health Organization Regional Office for Europe; 2019.
http://www.euro.who.int/en/publications/abstracts/antibiotic-resistance-using-a-cultural-contexts-
of-health-approach-to-address-a-global-health-challenge-2019
[This policy brief has been developed in response to the contemporary challenge of antibiotic
resistance (ABR). ABR poses a formidable threat to global health and sustainable development. It is
now increasingly recognized that the systematic neglect of cultural factors is one of the biggest
obstacles to achieving better health outcomes and better standards of living worldwide.]
Freely available online

HIV in the United Kingdom.
Public Health England (PHE); 2018.
[Reports by Public Health England about testing, diagnosis and care HIV in the UK. HIV
epidemiological reports based on PHE data on HIV testing, diagnosis and care in the UK.]
Freely available online

Moving the Needle: Promoting vaccination uptake across the life course.
Royal Society for Public Health (RSPH); 2019.
https://www.rsph.org.uk/our-work/policy/vaccinations/moving-the-needle-promoting-vaccination-
uptake-across-the-life-course.html

[This report looks at the importance of vaccination through childhood, working-age adulthood, and later life, and explores the barriers to uptake at different stages of the life course. It reveals the extent to which social media propagates misinformation about vaccinations.]
Freely available online

**Reservoirs of Antimicrobial Resistance.**
Parliamentary Office of Science and Technology (POST); 2019.
https://researchbriefings.parliament.uk/ResearchBriefing/Summary/POST-PN-0595

[The widespread use of antimicrobials, particularly antibiotics, has accelerated the spread of antimicrobial resistance (AMR) in microbes. A recent report by the Health and Social Care Committee called for AMR to be a ‘top five policy priority’. This POSTnote evaluates the main reservoirs of AMR microbes arising from the use of antimicrobials in both humans and animals.]
Freely available online

**The Next Decade of Vaccines: Addressing the challenges that remain towards achieving vaccinations for all.**
UK All-Party Parliamentary Group on Vaccines for All; 2019.
http://www.appg-vfa.org.uk/reports-articles/

[Throughout 2018, the APPG conducted an inquiry into the reasons for stalling global immunisation rates, taking written and oral evidence from a variety of stakeholders across the sector. The subsequent report highlights the key challenges that remain and provides recommendations for all immunisation actors and donors for progress in the next decade of vaccines.]
Freely available online
This Bulletin was created by Barbara Peirce, Outreach Librarian of NHS East Dorset Knowledge and Library Service

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