

ABR-Scan Science Week 40-41

Unit for Antibiotics and Infection Control

This biweekly ABR-Scan is compiled by the Unit for Antibiotics and Infection Control at the Public Health Agency of Sweden (PHAS). It includes a summary of links to recent peer-reviewed articles mainly from a selection of 17 scientific journals, which are listed at the bottom of the document. The articles are sorted according to the following categories: surveillance, treatment and diagnosis, prevention and intervention, microbiology and other. Please note that the information and views set out in the articles included are those of the author(s) and do not necessarily reflect the official opinion of PHAS. Please send an e-mail to ABR-scan@folkhalsomyndigheten.se if you would like to subscribe, unsubscribe or submit any comments or suggestions.

Surveillance

Antimicrobial susceptibility of clinical isolates of *C. jejuni* from New South Wales, Australia. [Journal of Global Antimicrobial Resistance](#)

Antimicrobial susceptibility and mechanisms of resistance of Greek *Clostridium difficile* clinical isolates. [Journal of Global Antimicrobial Resistance](#)

The preventable proportion of healthcare-associated infections 2005–2016: Systematic review and meta-analysis. [Infection Control & Hospital Epidemiology](#)

'How to do it' – a molecular investigation of a hospital outbreak. [Clinical Microbiology and Infection](#)

Trends in mortality following *Clostridium difficile* infection in Scotland, 2010–2016: a retrospective cohort and case–control study. [Journal of Hospital Infection](#)

Antimicrobial resistance in *Enterobacteriaceae* from healthy broilers in Egypt: emergence of colistin-resistant and extended-spectrum β -lactamase-producing *Escherichia coli*. [Gut Pathogens](#)

Epidemiology of common resistant bacterial pathogens in the countries of the Arab League. [Lancet Infectious Diseases](#)

Practical methods for effective vancomycin-resistant enterococci (VRE) surveillance: experience in a liver transplant surgical intensive care unit. [Infection Control & Hospital Epidemiology](#)

Nosocomial outbreak of vanD-carrying vancomycin-resistant *Enterococcus faecium*. [Infection Control & Hospital Epidemiology](#)

Multiple introductions and subsequent transmission of multidrug-resistant *Candida auris* in the USA: a molecular epidemiological survey. [Lancet Infectious Diseases](#)

High recurrence and in-hospital mortality rates, and rising proportion of healthcare-associated *Clostridium difficile* infections in a university hospital in Croatia. [Infectious Diseases](#)

Candida auris: a global fungal public health threat. [Lancet Infectious Diseases](#)

Treatment and diagnosis

Five-Year Follow-up of Antibiotic Therapy for Uncomplicated Acute Appendicitis in the APPAC Randomized Clinical Trial. [JAMA](#)

Effect of Algorithm-Based Therapy vs Usual Care on Clinical Success and Serious Adverse Events in Patients with Staphylococcal Bacteremia - A Randomized Clinical Trial. [JAMA](#)

Identifying patients with bacterial infections using a combination of C-reactive protein, procalcitonin, TRAIL and IP-10 in the emergency department: a prospective observational cohort study. [Clinical Microbiological and Infection](#)

Impact of Antimicrobial Treatment Duration on Outcome of *Staphylococcus aureus* Bacteremia: A Cohort Study. [Clinical Microbiology and Infection](#)

Commercialized fecal microbiota transplantation provides efficacious treatment of *Clostridium difficile* infection. [Infectious Diseases](#)

Linezolid in children with drug resistant tuberculosis. [Infectious Diseases](#)

Preoperative oral antibiotic prophylaxis reduces *Pseudomonas aeruginosa* surgical site infections after elective colorectal surgery: a multicenter prospective cohort study. [BMC Infectious Diseases](#)

The downside of antimicrobial agents for wound healing. [European Journal of Clinical Microbiology & Infectious Diseases](#)

Antimicrobial resistance following mass azithromycin distribution for trachoma: a systematic review. [Lancet Infectious Diseases](#)

Dialysis catheter management practices in Australia and New Zealand. [Nephrology](#)

Efficacy and tolerability of a cocktail of bacteriophages to treat burn wounds infected by *Pseudomonas aeruginosa* (PhagoBurn): a randomised, controlled, double-blind phase 1/2 trial. [Lancet Infectious Diseases](#)

Ceftolozane-tazobactam and Fosfomycin for rescue treatment of otogenous meningitis caused by XDR *Pseudomonas aeruginosa*: Case report and review of the literature. [IDCases](#)

Prevention and intervention

Effects of the Australian National Hand Hygiene Initiative after 8 years on infection control practices, health-care worker education, and clinical outcomes: a longitudinal study. [Lancet Infectious Diseases](#)

Determinants of in-hospital antibiotic prescription behaviour: a systematic review and formation of a comprehensive framework. Category: systematic review. [Clinical Microbiology and Infection](#)

Nail microbial colonization following hand disinfection: a qualitative pilot study. [Journal of Hospital Infection](#)

An international survey of cleaning and disinfection practices in the healthcare environment. [Journal of Hospital Infection](#)

A Quality Improvement Initiative: Reducing Blood Culture Contamination in a Children's Hospital. [Pediatrics](#)

Transmission of resistant Gram-negative bacteria to healthcare personnel gowns and gloves during care of residents in community-based nursing facilities. [Infection Control & Hospital Epidemiology](#)

Effectiveness of a Hand Hygiene Program at Child Care Centers: A Cluster Randomized Trial. [Pediatrics](#)

Implementation of the Smart Use of Antibiotics Program to Reduce Unnecessary Antibiotic Use in a Neonatal ICU: A Prospective Interrupted Time-Series Study in a Developing Country. [Critical Care Medicine](#)

Perceptions, attitudes, and practices of French junior physicians regarding antibiotic use and resistance. [Médicine et Maladies Infectieuses](#)

Microbiology

Combining VITEK® 2 with Colistin Agar Dilution Screening Assist Timely Reporting of Colistin Susceptibility. [Clinical Microbiology and Infection](#)

Other

World Society for Pediatric Infectious Diseases declaration on combating antimicrobial resistance in children. [World Journal of Pediatrics](#)

Pakistan's national action plan for antimicrobial resistance: translating ideas into reality. [Lancet Infectious Diseases](#)

The publications included in the scan are: Antimicrobial Agents and Chemotherapy, British Medical Journal, Clinical Infectious Diseases, Clinical Microbiology and Infection, Emerging Infectious Diseases, Eurosurveillance, Infection Control & Hospital Epidemiology, Infectious Diseases, JAMA - The Journal of the American Medical Association, Journal of Antimicrobial Chemotherapy, Journal of Hospital Infection, Journal of Infectious Diseases, Lancet, Lancet Infectious Diseases, New England Journal of Medicine, Pediatrics and Scandinavian Journal of Primary Health Care. In addition, other articles from other publications can be included.