

ABR-Scan Science Week 17-18

Unit for Antibiotics and Infection Control

This ABR-Scan Science is compiled by the Unit for Antibiotics and Infection Control at the Public Health Agency of Sweden. It includes a summary of links to recent articles from a selection of 17 scientific journals that we find interesting. All journals included in the scan are listed at the bottom of the document. The articles are sorted according to our categorization: surveillance, treatment and diagnosis, prevention and intervention, microbiology and other. If you have any comments or suggestions, please send an e-mail to Jonas Fuks at ABR-scan@folkhalsomyndigheten.se

Surveillance

Variability in Antibiotic Prescribing for Community-Acquired Pneumonia. [Pediatrics](#)

Inappropriate Antibiotic Prescribing: Wind at Our Backs or Flapping in the Breeze? [Pediatrics](#)

Increased prescribing of systemic tetracyclines and isotretinoin for treatment of acne. [Journal of Antimicrobial Chemotherapy](#)

Factors associated with carriage of carbapenem-non-susceptible Enterobacteriaceae in North-Eastern France and outcomes of infected patients. [Journal of Antimicrobial Chemotherapy](#)

Australian Gonococcal Surveillance Programme annual report, 2015. [Communicable Diseases Intelligence](#)

Treatment and diagnosis

Viral Features and Testing for Streptococcal Pharyngitis. [Pediatrics](#)

Antibiotic Prophylaxis for Urinary Tract Infection–Related Renal Scarring: A Systematic Review. [Pediatrics](#)

Effect of appropriate combination therapy on mortality of patients with bloodstream infections due to carbapenemase-producing Enterobacteriaceae (INCREMENT): a retrospective cohort study. [Lancet Infectious Diseases](#)

Who benefits from antimicrobial combination therapy? [Lancet Infectious Diseases](#)

Efficacy and safety of ridinilazole compared with vancomycin for the treatment of infection: a phase 2, randomised, double-blind, active-controlled, non-inferiority study. [Lancet Infectious Diseases](#)

Expanding the armamentarium for the treatment of infection. [Lancet Infectious Diseases](#)

Women with symptoms of a urinary tract infection but a negative urine culture: PCR-based quantification of Escherichia coli suggests infection in most cases. [Clinical Microbiology and Infection](#)

Repurposing an old drug: aztreonam as a new treatment strategy for gonorrhoea. [Journal of Antimicrobial Chemotherapy](#)

Prevention and intervention

Impact of a National Guideline on Antibiotic Selection for Hospitalized Pneumonia. [Pediatrics](#)

Urine Culture Follow-up and Antimicrobial Stewardship in a Pediatric Urgent Care Network. [Pediatrics](#)

Managing responsible antimicrobial use: perspectives across the healthcare system. [Clinical Microbiology and Infection](#)

Microbiology

Rapid direct detection of carbapenemase-producing Enterobacteriaceae in clinical urine samples by MALDI-TOF MS analysis. [Journal of Antimicrobial Chemotherapy](#)

In vitro susceptibility to 19 agents other than β -lactams among third-generation cephalosporin-resistant Enterobacteriaceae recovered on hospital admission. [Journal of Antimicrobial Chemotherapy](#)

Ceftolozane/tazobactam activity against drug-resistant Enterobacteriaceae and *Pseudomonas aeruginosa* causing urinary tract and intraabdominal infections in Europe: report from an antimicrobial surveillance programme (2012–15). [Journal of Antimicrobial Chemotherapy](#)

In vitro activity of ceftazidime/avibactam against urinary isolates from patients in a Phase 3 clinical trial programme for the treatment of complicated urinary tract infections. [Journal of Antimicrobial Chemotherapy](#)

In vitro susceptibility to 19 agents other than β -lactams among third-generation cephalosporin-resistant Enterobacteriaceae recovered on hospital admission. [Journal of Antimicrobial Chemotherapy](#)

Other

Antimicrobials and QT prolongation. [Journal of Antimicrobial Chemotherapy](#)

[Polymyxin-resistant, carbapenem-resistant *Acinetobacter baumannii* is eradicated by a triple combination of agents that lack individual activity.](#) [Journal of Antimicrobial Chemotherapy](#)

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.