

ABR-Scan Science Week 11-12

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

Global prevalence of carbapenem resistance in neutropenic patients and association with mortality and carbapenem use: systematic review and meta-analysis. [Journal of Antimicrobial Chemotherapy](#)

Community carriage of ESBL-producing *Escherichia coli* is associated with strains of low pathogenicity: a Swedish nationwide study. [Journal of Antimicrobial Chemotherapy](#)

ESBL/AmpC-producing Enterobacteriaceae in households with children of preschool age: prevalence, risk factors and co-carriage. [Journal of Antimicrobial Chemotherapy](#)

Appropriate antibiotic use reduces length of hospital stay. [Journal of Antimicrobial Chemotherapy](#)

Screening of ESBL-producing Enterobacteriaceae concomitant with low degree of transmission in intensive care and bone marrow transplant units. [Infectious Diseases](#)

Clinical Risk Score for Prediction of Extended-Spectrum β -Lactamase-Producing Enterobacteriaceae in Bloodstream Isolates. [Infection Control & Hospital Epidemiology](#)

Sex differences in invasive pneumococcal disease and the impact of pneumococcal conjugate vaccination in the Netherlands. [Eurosurveillance](#)

The spread and clinical impact of ST14CC-PBP3 type IIb/A, a clonal group of non-typeable *Haemophilus influenzae* with chromosomally mediated β -lactam resistance—a prospective observational study. [Clinical Microbiology and Infection](#)

Epidemiological investigation of an outbreak of typhoid fever in Jorhat town of Assam, India. [Indian Journal of Medical Research](#)

Treatment and diagnosis

Variation in Sepsis Evaluation Across a National Network of Nurseries. [Pediatrics](#)

Daptomycin for Complicated Skin Infections: A Randomized Trial. [Pediatrics](#)

Should We Believe the Urinalysis? [Pediatrics](#)

Trimethoprim/sulfamethoxazole versus vancomycin in the treatment of healthcare/ventilator-associated MRSA pneumonia: a case-control study. [Journal of Antimicrobial Chemotherapy](#)

Linezolid: a promising option in the treatment of Gram-positives. [Journal of Antimicrobial Chemotherapy](#)

Clinical management of adults and children with multidrug-resistant and extensively drug-resistant tuberculosis. [Clinical Microbiology and Infection](#)

Mycobacterium tuberculosis drug-resistance testing: challenges, recent developments and perspectives. [Clinical Microbiology and Infection](#)

MALDI-TOF/MS identification of species from the *Acinetobacter baumannii* (Ab) group revisited: inclusion of the novel *A. seifertii* and *A. dijkshoorniae* species. [Clinical Microbiology and Infection](#)

Carbapenems and febrile neutropenia. [Clinical Microbiology and Infection](#)

Prevention and intervention

A Multicenter Collaborative to Improve Care of Community Acquired Pneumonia in Hospitalized Children. [Pediatrics](#)

Hand hygiene compliance: Social cohesion and role modeling. [American Journal of Infection Control](#)

Listerine May Help Control Spread of Gonorrhoea. [JAMA](#)

Gut-sparing treatment of urinary tract infection in patients at high risk of *Clostridium difficile* infection. [Journal of Antimicrobial Chemotherapy](#)

Preventing the spread of multidrug-resistant tuberculosis and protecting contacts of infectious cases. [Clinical Microbiology and Infection](#)

Microbiology

Prediction of antibiotic resistance from antibiotic resistance genes detected in antibiotic-resistant commensal *Escherichia coli* using PCR or WGS. [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](#)

Whole genome sequencing for M/XDR tuberculosis surveillance and for resistance testing. [Clinical Microbiology and Infection](#)

Consensus numbering system for the rifampicin resistance-associated *rpoB* gene mutations in pathogenic mycobacteria. [Clinical Microbiology and Infection](#)

Other

Multidrug-resistant tuberculosis and migration to Europe. [Clinical Microbiology and Infection](#)

Counting the cost of an outbreak of carbapenemase-producing *Enterobacteriaceae*: an economic evaluation from a hospital perspective. [Clinical Microbiology and Infection](#)

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.