

## **ABR-Scan Science Week 19-20**

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](mailto:ABR-scan@folkhalsomyndigheten.se)*

### **Surveillance**

Dissemination and clinical implications of multidrug-resistant *Klebsiella pneumoniae* isolates producing OXA-48 in a Spanish hospital. [Journal of Hospital Infection](#)

Healthcare personnel intestinal colonization with multidrug-resistant organisms. [Clinical Microbiology and Infection](#)

Emergence of carbapenemase-producing *Acinetobacter ursingii* in the Netherlands. [Clinical Microbiology and Infection](#)

The Hospital Water Environment as a Reservoir for Carbapenem-Resistant Organisms Causing Hospital-Acquired Infections—A Systematic Review of the Literature. [Clinical Infectious Diseases](#)

*Staphylococcus aureus* nasal carriage among medical students. [Lancet Infectious Diseases](#)

Estimating the future burden of multidrug-resistant and extensively drug-resistant tuberculosis in India, the Philippines, Russia, and South Africa: a mathematical modelling study. [Lancet Infectious Diseases](#)

### **Treatment and diagnosis**

Antibiotic Prophylaxis Is Associated with Subsequent Resistant Infections in Children with an Initial Extended-Spectrum-Cephalosporin-Resistant *Enterobacteriaceae* Infection. [Antimicrobial Agents and Chemotherapy](#)

Application of Fluoroquinolone Resistance Score in Management of Complicated Urinary Tract Infections. [Antimicrobial Agents and Chemotherapy](#)

Subinhibitory Concentrations of Ciprofloxacin Enhance Antimicrobial Resistance and Pathogenicity of *Enterococcus faecium*. [Antimicrobial Agents and Chemotherapy](#)

Urine Culture Testing in Community Nursing Homes: Gateway to Antibiotic Overprescribing. [Infection Control & Hospital Epidemiology](#)

Synergistic Interaction Between Phage Therapy and Antibiotics Clears *Pseudomonas Aeruginosa* Infection in Endocarditis and Reduces Virulence. [Journal of Infectious Diseases](#)

### **Prevention and intervention**

Risk factors for KPC-producing *Enterobacteriaceae* acquisition and infection in a healthcare setting with possible local transmission: a case–control study. [Journal of Hospital Infection](#)

Carbapenem-Resistant *Enterobacteriaceae*: A Strategic Roadmap for Infection Control. [Infection Control & Hospital Epidemiology](#)

Response Adjusted for Days of Antibiotic Risk (RADAR): evaluation of a novel method to compare strategies to optimise antibiotic use. [Clinical Microbiology and Infection](#)

World Health Organization “SAVE LIVES: Clean Your Hands” global campaign -'Fight antibiotic resistance - it's in your hands'. [Clinical Microbiology and Infection](#)

Fighting antibiotic resistance is in your hands: May 5, 2017. [Lancet Infectious Diseases](#)  
Safety, immunogenicity, and preliminary clinical efficacy of a vaccine against extraintestinal pathogenic *Escherichia coli* in women with a history of recurrent urinary tract infection: a randomised, single-blind, placebo-controlled phase 1b trial. [Lancet Infectious Diseases](#)  
*Clostridium difficile* in England: can we stop washing our hands? [Lancet Infectious Diseases](#)  
A Handshake From Antimicrobial Stewardship Opens Doors for Infectious Disease Consultations. [Clinical Infectious Diseases](#)  
Time Efficiency Assessment of Antimicrobial Stewardship Strategies. [Clinical Infectious Diseases](#)  
Optimizing Proton Pump Inhibitor Use to Reduce Antimicrobial Resistance Rates? [Clinical Infectious Diseases](#)

## **Microbiology**

Invasive Serotype 35B Pneumococci Including an Expanding Serotype Switch Lineage, United States, 2015–2016. [Emerging Infectious Diseases](#)  
Implementation of quality management for clinical bacteriology in low-resource settings. [Clinical Microbiology and Infection](#)  
Association of Pneumococcal Protein Antigen Serology With Age and Antigenic Profile of Colonizing Isolates. [Journal of Infectious Diseases](#)

## **Other**

Drug-resistant tuberculosis threatens WHO's End-TB strategy. [Lancet Infectious Diseases](#)  
Predictors of failure after single faecal microbiota transplantation in patients with recurrent *Clostridium difficile* infection: results from a three-year cohort study: authors' reply. [Clinical Microbiology and Infection](#)  
Old enemies in new disguises: emergence of *Enterococcus faecium* as a significant clinical problem at an adult haematology ward. [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.*