

# ABR-Scan Science Week 5-6

## 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

Norwegian patients and retail chicken meat share cephalosporin-resistant *Escherichia coli* and IncK/blaCMY-2 resistance plasmids. [Clinical Microbiology and Infection](#)

Carbapenemase-Producing Enterobacteriaceae in Swine Production in the United States: Impact and Opportunities. [Antimicrobial Agents and Chemotherapy](#)

Worldwide Endemicity of a Multidrug-Resistant *Staphylococcus capitis* Clone Involved in Neonatal Sepsis. [Emerging Infectious Disease Journal](#)

Incidence and Outcomes Associated With Infections Caused by Vancomycin-Resistant Enterococci in the United States: Systematic Literature Review and Meta-Analysis. [Infection Control & Hospital Epidemiology](#)

Global Assessment of the Activity of Tigecycline against Multidrug-Resistant Gram-Negative Pathogens between 2004 and 2014 as Part of the Tigecycline Evaluation and Surveillance Trial. [MSphere](#)

### Treatment and diagnosis

Narrow-Spectrum  $\beta$ -Lactam Monotherapy in Hospital Treatment of Community-Acquired Pneumonia – A Register Based Cohort Study. [Clinical Microbiology and Infection](#)

Stöd för empirisk behandling med bensylpenicillin vid pneumoni. [Läkartidningen](#)

Ceftazidime-Avibactam as Salvage Therapy for Infections Caused by Carbapenem-Resistant Organisms. [Antimicrobial Agents and Chemotherapy](#)

Safety and efficacy of daptomycin in outpatient parenteral antimicrobial therapy: a prospective and multicenter cohort study (DAPTODOM trial). [Infectious Diseases](#)

### Prevention and intervention

Terminal room disinfection: how much BETR can it get? [Lancet](#)

A contaminated health-care environment is an important source for acquisition of pathogens; enhanced terminal room disinfection decreases this risk. [Lancet](#)

Simplifying the WHO “how to hand rub” technique: three steps are as effective as six – results from an experimental randomized cross-over trial. [Clinical Microbiology and Infection](#)

Fluoroquinolone restriction to control fluoroquinolone-resistant. [Lancet Infectious Diseases](#)

Effects of control interventions on infection in England: an observational study. [Lancet Infectious Diseases](#)

Challenging Residual Contamination of Instruments for Robotic Surgery in Japan. [Infection Control & Hospital Epidemiology](#)

### Microbiology

**Role of inoculum and mutant frequency on fosfomycin MIC discrepancies by agar dilution and broth microdilution methods in Enterobacteriaceae.** [Clinical Microbiology and Infection](#)

**Nanomechanical sensor applied to blood culture pellets: a fast approach to determine the antibiotic susceptibility against agents of bloodstream infections.** [Clinical Microbiology and Infection](#)

**Quantamatrix Multiplexed Assay Platform System for direct detection of bacteria and antibiotic resistance determinants in positive blood culture bottles.** [Clinical Microbiology and Infection](#)

**Disposable Bronchoscope Model for Simulating Endoscopic Reprocessing and Surveillance Cultures.** [Infection Control & Hospital Epidemiology](#)

## Other

**Predictors of failure after single faecal microbiota transplantation in patients with recurrent Clostridium difficile infection: results from a three-year, single-centre cohort study.** [Clinical Microbiology and Infection](#)

**Novel Detection Strategy To Rapidly Evaluate the Efficacy of Antichlamydial Agents.** [Antimicrobial Agents and Chemotherapy](#)

**A Comprehensive Study of Costs Associated With Recurrent Clostridium difficile Infection.** [Infection Control & Hospital Epidemiology](#)

*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.*