

## **ABR-Scan Science Week 21-22**

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**

Locally Acquired mcr-1 in *Escherichia coli*, Australia, 2011 and 2013. [Emerging Infectious Diseases](#)

Burden of healthcare-associated infections in China: results of the 2015 point prevalence survey in Dong Guan City. [Journal of Hospital Infection](#)

Multi-state survey of healthcare-associated infections in acute care hospitals in Brazil. [Journal of Hospital Infection](#)

MCR-1-producing *Klebsiella pneumoniae* outbreak in China. [Lancet Infectious Diseases](#)

Mycobacterium chimaera Isolates from Heater–Cooler Units, United Kingdom. [Emerging Infectious Diseases](#)

Characterizing Non-linear Effects of Hospitalization Duration on Antimicrobial Resistance in Respiratory Isolates: A Retrospective Analysis of a Prospective Nationwide Surveillance System. [Clinical Microbiology and Infection](#)

Methicillin-resistant *Staphylococcus aureus* among animals: current overview. [Clinical Microbiology and Infection](#)

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

### **Treatment and diagnosis**

Nitrofurantoin's efficacy and safety as prophylaxis for urinary tract infections: a systematic review of the literature and meta-analysis of controlled trials. [Clinical Microbiology and Infection](#)

Empirical MRSA Coverage for Nonpurulent Cellulitis Swinging the Pendulum Away From Routine Use. [JAMA](#)

Key conceptual considerations on nebulization of antimicrobial agents to mechanically ventilated patients: a consensus statement from the European Society of Clinical Microbiology and Infectious Diseases. [Clinical Microbiology and Infection](#)

Intravenous fosfomycin—back to the future. Systematic review and meta-analysis of the clinical literature. [Clinical Microbiology and Infection](#)

Practice Patterns and Outcomes Associated With Procalcitonin Use in Critically Ill Patients With Sepsis. [Clinical Infectious Diseases](#)

Outcomes in Patients With Cardiovascular Implantable Electronic Device Infection Managed With Chronic Antibiotic Suppression. [Clinical Infectious Diseases](#)

Treatment Response in Enteric Fever in an Era of Increasing Antimicrobial Resistance: An Individual Patient Data Analysis of 2092 Participants Enrolled into 4 Randomized, Controlled Trials in Nepal. [Clinical Infectious Diseases](#)

### **Prevention and intervention**

Antimicrobial Stewardship and Infection Control Practices Reduced Cost and Healthcare Facility-Onset Clostridium difficile Infection (HO-CDI) in a Long-Term Acute Care (LTAC) Setting. [American Journal of Infection Control](#)

Healthcare Claims Data: An Underutilized Tool for Pediatric Outpatient Antimicrobial Stewardship. [Clinical Infectious Diseases](#)

Timing of surgical antimicrobial prophylaxis: a phase 3 randomised controlled trial. [Lancet Infectious Diseases](#)

Precise timing might not be crucial: when to administer surgical antimicrobial prophylaxis. [Lancet Infectious Diseases](#)

e-learning for global antimicrobial stewardship. [Lancet Infectious Diseases](#)

## **Microbiology**

The Lysis of Pathogenic Escherichia coli by Bacteriophages Releases Less Endotoxin Than by  $\beta$ -Lactams. [Clinical Infectious Diseases](#)

Phage Therapy: Considerations and Challenges for Development. [Clinical Infectious Diseases](#)

## **Other**

Ensuring universal access to old antibiotics: a critical but neglected priority. [Clinical Microbiology and Infection](#)

National progress on antimicrobial resistance. [Lancet](#)

Antimicrobial resistance and food safety in Africa. [Lancet Infectious Diseases](#)

Pharmaceutical waste and antimicrobial resistance. [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.*