

# ABR-Scan Science Week 15-16

## 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

Colonization by multidrug-resistant organisms in long-term care facilities in Italy: a point-prevalence study [Clinical Microbiology and Infection](#)

Molecular epidemiology of penicillinase-producing *Neisseria gonorrhoeae* isolates in France [Clinical Microbiology and Infection](#)

Clinical Impact and Prevalence of MRSA CC398 and differences between MRSA-TetR and MRSA-TetS in an area of Spain with a high density of pig farming: a prospective cohort study [Clinical Microbiology and Infection](#)

Carbapenem-Resistant *Enterobacter cloacae* in Patients from the US Veterans Health Administration, 2006–2015 [Emerging Infectious Diseases Journal](#)

Invasive Nontuberculous Mycobacterial Infections among Cardiothoracic Surgical Patients Exposed to Heater–Cooler Devices [Emerging Infectious Diseases Journal](#)

Three cases of mcr-1-positive colistin-resistant *Escherichia coli* bloodstream infections in Italy, August 2016 to January 2017. [Eurosurveillance](#)

Indistinguishable NDM-producing *Escherichia coli* isolated from recreational waters, sewage, and a clinical specimen in Ireland, 2016 to 2017. [Eurosurveillance](#)

### Treatment and diagnosis

Use of Nebulized Antimicrobials for the Treatment of Respiratory Infections in Invasively Mechanically Ventilated Adults: A Position Paper from the European Society of Clinical Microbiology and Infectious Diseases [Clinical Microbiology and Infection](#)

Antibody-based therapy to combat *Staphylococcus aureus* infections [Clinical Microbiology and Infection](#)

Amoxicillin and Ceftriaxone as Treatment Alternatives to Penicillin for Maternal Syphilis [Emerging Infectious Diseases Journal](#)

Effect of Oral Dexamethasone Without Immediate Antibiotics vs Placebo on Acute Sore Throat in Adults -A Randomized Clinical Trial [JAMA](#)

### Prevention and intervention

Risk factors for extended-spectrum beta-lactamase-producing *Escherichia coli* urinary tract infection in the community in Denmark: a case-control study [Clinical Microbiology and Infection](#)

Control of multidrug-resistant Gram-negative bacteria in low- and middle-income countries—high impact interventions without much resources [Clinical Microbiology and Infection](#)

### Microbiology

Vancomycin-intermediate Staphylococcus aureus isolates are attenuated for virulence when compared to susceptible progenitors [Clinical Microbiology and Infection](#)  
Chromosomal 16S Ribosomal RNA Methyltransferase RmtE1 in Escherichia coli Sequence Type 448  
[Emerging Infectious Diseases Journal](#)

*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.*