

# ABR-Scan Science Week 6-7

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

### Surveillance

Macrolide resistance in yaws. [Lancet](#)

Re-emergence of yaws after single mass azithromycin treatment followed by targeted treatment: a longitudinal study. [Lancet](#)

Emergence of Streptococcus pneumoniae Serotype 12F after Sequential Introduction of 7- and 13-Valent Vaccines, Israel. [Emerging Infectious Diseases](#)

High rates of antimicrobial resistance of ESBL-producing Enterobacteriaceae isolated from clinical samples in Northeast of Brazil. [Infectious Diseases](#)

Predicting resistant etiology in hospitalized patients with blood cultures positive for Gram-negative bacilli. [European Journal of Internal Medicine](#)

Susceptibility of Neisseria gonorrhoeae to azithromycin and ceftriaxone in China: A retrospective study of national surveillance data from 2013 to 2016. [PLoS Medicine](#)

Diversity of methicillin-resistant Staphylococcus aureus (MRSA) isolated from Austrian ruminants and New World camelids. [Veterinary Microbiology](#)

Fluoroquinolones and  $\beta$ -lactam antibiotics and antibiotic resistance genes in autumn leachates of seven major municipal solid waste landfills in China. [Environment International](#)

### Treatment and diagnosis

Unavailability of old antibiotics threatens effective treatment for common bacterial infections. [Lancet Infectious Diseases](#)

Antibiotics after incision and drainage for uncomplicated skin abscesses: a clinical practice guideline. [BMJ](#)

Antibiotic treatment of infections caused by carbapenem-resistant Gram-negative bacilli: an international ESCMID cross-sectional survey among infection diseases specialists practicing in large hospitals. [Clinical Microbiology and Infection](#)

Early safety and efficacy of the combination of bedaquiline and delamanid for the treatment of patients with drug-resistant tuberculosis in Armenia, India, and South Africa: a retrospective cohort study. [Lancet Infectious Diseases](#)

Clinicians recognise how difficult it is to manage multidrug-resistant (MDR) and extensively drug-resistant (XDR) tuberculosis: the treatment is lengthy, expensive, and most patients have severe adverse events. [Lancet Infectious Diseases](#)

Surgical site infection—the next frontier in global surgery. [Lancet Infectious Diseases](#)

Early safety and efficacy of the combination of bedaquiline and delamanid for the treatment of patients with drug-resistant tuberculosis in Armenia, India, and South Africa: a retrospective cohort study. [Infectious Diseases](#)

Efficacy and Safety of Fosfomycin Plus Imipenem vs. Vancomycin for Complicated Bacteremia and Endocarditis Due to Methicillin-Resistant *Staphylococcus aureus*: A Randomized Clinical Trial. [Clinical Microbiology and Infection](#)

[Is a randomized trial of a short course of aminoglycoside added to  \$\beta\$ -lactam antibiotics for empirical treatment in critically ill patients with sepsis justified?](#) [Clinical Microbiology and Infection](#)

Cefazolin versus anti-staphylococcal penicillins for treatment of methicillin-susceptible *Staphylococcus aureus* bacteraemia: a narrative review. [Clinical Microbiology and Infection](#)

The use of cefepime as a carbapenem-sparing antibiotic for treating uncomplicated acute pyelonephritis caused by extended-spectrum  $\beta$ -lactamase producing *Escherichia coli*. [Infectious Diseases](#)

Topical therapy for refractory rhinosinusitis caused by methicillin-resistant *Staphylococcus aureus*: First report in a prospective series. [Auris Nasus Larynx](#)

Management of severe childhood pneumonia by day care approach in developing countries. [Health Promotion Perspectives](#)

Does ciprofloxacin prophylaxis during chemotherapy induce intestinal microflora resistance to ceftazidime in children with cancer? [Journal of Infection and Chemotherapy](#)

## Prevention and intervention

Participant experiences of clean intermittent self-catheterisation, urinary tract infections and antibiotic use on the ANTIC trial – A qualitative study. [International Journal of Nursing Studies](#)

Stewardship opportunities in viral pneumonia: why not the immunocompromised? [Transplant Infectious Diseases](#)

## Microbiology

[Colistin antimicrobial susceptibility testing—can the slow and challenging be replaced by the rapid and convenient?](#) [Clinical Microbiology and Infection](#)

Evaluation of vancomycin MIC creep in methicillin-resistant *Staphylococcus aureus* infections—a systematic review and meta-analysis. [Clinical Microbiology and Infection](#)

Susceptibilities of clinical *Clostridium difficile* isolates to antimicrobials: a systematic review and meta-analysis of studies since 1970. [Clinical Microbiology and Infection](#)

Comparison of methods for detection of plasmid-mediated and chromosomally encoded colistin resistance in *Enterobacteriaceae*. [Clinical Microbiology and Infection](#)

A simple phenotypic method for screening of MCR-1-mediated colistin resistance. [Clinical Microbiology and Infection](#)

**Multiplex PCR for detection of plasmid-mediated colistin resistance determinants, *mcr-1*, *mcr-2*, *mcr-3*, *mcr-4* and *mcr-5* for surveillance purposes. [Eurosurveillance](#)**

## Other

*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.*