

# BOLETÍN AFinf

Actualización en terapéutica antimicrobiana y enfermedades infecciosas

Grupo de trabajo AFinf – Sociedad Española de Farmacia Hospitalaria

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  - Estudios originales
  - Revisiones sistemáticas y metaanálisis
- Guías de práctica clínica, documentos consenso.

## Actualización farmacoterapéutica

- Ensayos clínicos
  - RESTORE-IMI 1: A Multicenter, Randomized, Double-blind Trial Comparing Efficacy and Safety of Imipenem/Relebactam vs Colistin Plus Imipenem in Patients With Imipenem-nonsusceptible Bacterial Infections  
  
CLINICAL INFECTIOUS DISEASES  
<https://bit.ly/33n4BEL>
  - A Moxifloxacin-based Regimen for the Treatment of Recurrent, Drug-sensitive Pulmonary Tuberculosis: An Open-label, Randomized, Controlled Trial  
  
CLINICAL INFECTIOUS DISEASES  
<https://bit.ly/3goj9rh>
  - Effect of high-dose rifampicin on efavirenz pharmacokinetics: drug–drug interaction randomized trial  
  
JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY  
<https://bit.ly/3gzGS8l>
  - Pharmacokinetic analysis of an extended-pulsed fidaxomicin regimen for the treatment of Clostridioides (Clostridium) difficile infection in patients aged 60 years and older in the EXTEND randomized controlled trial  
  
JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY

<https://bit.ly/2B4aUkP>

- **Pharmacokinetics and safety of aztreonam/avibactam for the treatment of complicated intra-abdominal infections in hospitalized adults: results from the REJUVENATE study**

JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY:

<https://bit.ly/2XjJUpy>

- **Effect of Vancomycin or Daptomycin With vs Without an Antistaphylococcal  $\beta$ -Lactam on Mortality, Bacteremia, Relapse, or Treatment Failure in Patients With MRSA Bacteremia: A Randomized Clinical Trial**

JAMA

<https://bit.ly/2EIq1C6>

- **Effect of C-Reactive Protein-Guided Antibiotic Treatment Duration, 7-Day Treatment, or 14-Day Treatment on 30-Day Clinical Failure Rate in Patients With Uncomplicated Gram-Negative Bacteremia: A Randomized Clinical Trial.**

JAMA

<https://bit.ly/2XmbPFd>

- **Preoperative oral antibiotics and surgical-site infections in colon surgery (ORALEV): a multicentre, single-blind, pragmatic, randomised controlled trial**

LANCET

<https://bit.ly/3fk12nF>

- **Contact isolation versus standard precautions to decrease acquisition of extended-spectrum  $\beta$ -lactamase-producing Enterobacterales in non-critical care wards: a cluster-randomised crossover trial**

LANCET

<https://bit.ly/2XjAE4J>

- **Probiotics for intestinal decolonization of ESBL-producing Enterobacteriaceae: a randomized, placebo-controlled clinical trial**

CLINICAL MICROBIOLOGY AND INFECTION

<https://bit.ly/2ZIWbVX>

- **Estudios originales:**

- **Ceftaroline for severe community-acquired pneumonia: A real-world two-centre experience in Italy and Spain**

INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS

<https://bit.ly/2CFVfZC>

- **Efficacy of ceftazidime-avibactam plus aztreonam in patients with bloodstream infections caused by MBL- producing Enterobacterales.**

CLINICAL INFECTIOUS DISEASES

<https://bit.ly/2Pkdk2p>

- **Is Piperacillin-Tazobactam Effective for the Treatment of Pyelonephritis Caused by Extended-Spectrum  $\beta$ -Lactamase–Producing Organisms?**

CLINICAL INFECTIOUS DISEASES

<https://bit.ly/33f9yQ5>

- **Effectiveness and safety of an institutional aminoglycoside-based regimen as empirical treatment of patients with pyelonephritis**

CLINICAL INFECTIOUS DISEASES

<https://bit.ly/3hYZCy5>

- **Empirical Anti-MRSA vs Standard Antibiotic Therapy and Risk of 30-Day Mortality in Patients Hospitalized for Pneumonia**

JAMA

<https://bit.ly/3gsTEFC>

- **The utility of serial procalcitonin measurements in addition to pneumonia severity scores in hospitalised community-acquired pneumonia: A multicentre, prospective study**

INTERNATIONAL JOURNAL OF INFECTIOUS DISEASE

<https://bit.ly/30okpnO>

- **The Effect of Infectious Diseases Consultation on Mortality in Hospitalized Patients With Methicillin-Resistant Staphylococcus aureus, Candida, and Pseudomonas Bloodstream Infections**

OPEN FORUM OF INFECTIOUS DISEASE

<https://bit.ly/33perWV>

- **Prospective multicentre study of rectal carriage of multidrug-resistant Enterobacteriaceae among health-care workers in Spain**

CLINICAL MICROBIOLOGY AND INFECTION

<https://bit.ly/2WCsLa7>

- **Efficacy of Bezlotoxumab in Participants Receiving Metronidazole, Vancomycin, or Fidaxomicin for Treatment of *Clostridioides (Clostridium) difficile* Infection**

OPEN FORUM OF INFECTIOUS DISEASE

<https://bit.ly/3ftbeIg>

- **$\beta$ -Lactam pharmacodynamics in Gram-negative bloodstream infections in the critically ill**

JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY

<https://bit.ly/3hXY5II>

- **Aminoglycoside versus carbapenem or piperacillin/tazobactam treatment for bloodstream infections of urinary source caused by Gram-negative ESBL-producing Enterobacteriaceae**

JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY

<https://bit.ly/3fmEjVt>

- **Intravenous and Intraperitoneal Pharmacokinetics of Dalbavancin in Peritoneal Dialysis Patients**

ANTIMICROBIAL AGENTS AND CHEMOTHERAPY

<https://bit.ly/3i0ls4u>

- **Population Pharmacokinetics of Piperacillin following Continuous Infusion in Critically Ill Patients and Impact of Renal Function on Target Attainment**

ANTIMICROBIAL AGENTS AND CHEMOTHERAPY

<https://bit.ly/2XmVa4x>

- **Revisiones sistemáticas, metaanálisis y revisiones narrativas.**
  - **Effect of postoperative continuation of antibiotic prophylaxis on the incidence of surgical site infection: a systematic review and meta-analysis**  
LANCET  
<https://bit.ly/3hZkPYH>
  - **Is colistin-associated acute kidney injury clinically important in adults? A systematic review and meta-analysis**  
INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS  
<https://bit.ly/2DPpFj>
  - **$\beta$ -lactam antibiotic versus combined  $\beta$ -lactam antibiotics and single daily dosing regimens of aminoglycosides for treating serious infections: A meta-analysis**  
INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS\_  
<https://bit.ly/2C96AS8>
  - **The use of ceftolozane-tazobactam in the treatment of complicated intra-abdominal infections and complicated urinary tract infections—A meta-analysis of randomized controlled trials**  
  
INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS  
<https://bit.ly/2B4dyXN>
  - **Methodological features of clinical pharmacokinetic–pharmacodynamic studies of antibacterials and antifungals: a systematic review**  
  
JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY  
<https://bit.ly/2C8Cr5n>
  - **A Review of the Pharmacokinetics and Clinical Outcomes of Antibiotics Penetrating the Bile and Gallbladder Wall\_**  
  
PHARMACOTHERAPY

<https://bit.ly/2E1LGF7>

- **Towards precision medicine: Therapeutic drug monitoring-guided dosing of vancomycin and  $\beta$ -lactam antibiotics to maximize effectiveness and minimize toxicity.**

AMERICAN JOURNAL OF HEALTH-SYSTEM PHARMACY

<https://bit.ly/3jickJV>

- **Comparative efficacy and safety of lock solutions for the prevention of catheter-related complications including infectious and bleeding events in adult haemodialysis patients: a systematic review and network meta-analysis**

CLINICAL MICROBIOLOGY AND INFECTION

<https://bit.ly/39icWdR>

- **Evaluation of a Paradigm Shift From Intravenous Antibiotics to Oral Step-Down Therapy for the Treatment of Infective EndocarditisA Narrative Review**

JAMA

<https://bit.ly/2DvBC72>

- **Bacteriophage Therapeutics: A Primer for Clinicians on Phage-Antibiotic Combinations**

PHARMACOTHERAPY

<https://bit.ly/2XmAYQ9>

## Guías de práctica clínica, documentos consenso

- **Guideline on diagnostic procedures for suspected hypersensitivity to beta-lactam antibiotics: Guideline of the German Society for Allergology and Clinical Immunology (DGAKI) in collaboration with the German Society of Allergology (AeDA), German Society for Pediatric Allergology and Environmental Medicine (GPA), the German Contact Dermatitis Research Group (DKG), the Austrian Society for Allergology and Immunology (ÖGAI), and the Paul-Ehrlich Society for Chemotherapy (PEG).**  
<https://bit.ly/31btWyl>
- **Clinical Practice Guideline for Systemic Antifungal Prophylaxis in Pediatric Patients With Cancer and Hematopoietic Stem-Cell Transplantation Recipients**  
JOURNAL OF CLINICAL ONCOLOGY  
<https://bit.ly/39N7uzU>
- **Antimicrobial therapeutic drug monitoring in critically ill adult patients: a Position Paper.**  
INTENSIVE CARE MEDICINE  
<https://bit.ly/2BRXQ2z>
- **Global guideline for the diagnosis and management of mucormycosis: an initiative of the European Confederation of Medical Mycology in cooperation with the Mycoses Study Group Education and Research Consortium.**  
LANCET INFECTIOUS DISEASE  
<https://bit.ly/3hRWdRM>
- **Therapeutic monitoring of vancomycin for serious methicillin-resistant Staphylococcus aureus infections: A revised consensus guideline and review by the American Society of Health-System Pharmacists, the Infectious Diseases Society of America, the Pediatric Infectious Diseases Society, and the Society of Infectious Diseases Pharmacist**  
  
AMERICAN JOURNAL OF HEALT-SYSTEM PHARMACY  
<https://bit.ly/2Du7IQg>

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