

Publicacions Servei de Microbiologia 2020.

1 Babich, T., P. Naucler, J. K. Valik, C. G. Giske, N. Benito, R. Cardona, A. Rivera, C. Pulcini, M. Abdel Fattah, J. Haquin, A. Macgowan, S. Grier, J. Gibbs, B. Chazan, A. Yanovskay, R. Ben Ami, M. Landes, L. Nesher, A. Zaidman-Shimshovitz, K. McCarthy, D. L. Paterson, E. Tacconelli, M. Buhl, S. Maurer, J. Rodriguez-Bano, I. Morales, A. Oliver, E. Ruiz De Gopegui, A. Cano, I. Machuca, M. Gozalo-Marguello, L. Martinez Martinez, E. M. Gonzalez-Barbera, I. G. Alfaro, M. Salavert, B. Beovic, A. Saje, M. Mueller-Premru, L. Pagani, V. Vitrat, D. Kofteridis, M. Zacharioudaki, S. Maraki, Y. Weissman, M. Paul, Y. Dickstein, L. Leibovici and D. Yahav (2020). "**Ceftazidime, Carbapenems, or Piperacillin-tazobactam as Single Definitive Therapy for Pseudomonas aeruginosa Bloodstream Infection: A Multisite Retrospective Study.**" Clin Infect Dis **70**(11): 2270-2280.

IF: 8.313 *7/115 Q1 (MICROBIOLOGY) *13/283 Q1 (INFECTIOUS DISEASES) 2021
[Veure Document / Ver Documento / See Document](#)

2 Babich, T., P. Naucler, J. K. Valik, C. G. Giske, N. Benito, R. Cardona, A. Rivera, C. Pulcini, M. A. Fattah, J. Haquin, A. MacGowan, S. Grier, B. Chazan, A. Yanovskay, R. B. Ami, M. Landes, L. Nesher, A. Zaidman-Shimshovitz, K. McCarthy, D. L. Paterson, E. Tacconelli, M. Buhl, S. Maurer, J. Rodriguez-Bano, I. Morales, A. Oliver, E. R. de Gopegui, A. Cano, I. Machuca, M. Gozalo-Marguello, L. Martinez-Martinez, E. M. Gonzalez-Barbera, I. G. Alfaro, M. Salavert, B. Beovic, A. Saje, M. Mueller-Premru, L. Pagani, V. Vitrat, D. Kofteridis, M. Zacharioudaki, S. Maraki, Y. Weissman, M. Paul, Y. Dickstein, L. Leibovici and D. Yahav (2020). "**Risk factors for mortality among patients with Pseudomonas aeruginosa bacteraemia: a retrospective multicentre study.**" International Journal of Antimicrobial Agents **55**(2): 105847.

IF: 4.615 *29/133 Q1 (MICROBIOLOGY) *15/89 Q1 (INFECTIOUS DISEASES)
*32/267 Q1 (PHARMACOLOGY & TOXICOLOGY) 2018
[Veure Document / Ver Documento / See Document](#)

3 Blanco-Picazo, P., D. Fernandez-Orth, M. Brown-Jaque, E. Miro, P. Espinal, L. Rodriguez-Rubio, M. Muniesa and F. Navarro (2020). "**Unravelling the consequences of the bacteriophages in human samples.**" Sci Rep **10**(1): 6737.

IF: 3.998 *8/111 Q1 (Multidisciplinary) 2020
[Veure Document / Ver Documento / See Document](#)

4 Blasco, L., A. Ambroa, R. Trastoy, I. Blieriot, M. Moscoso, L. Fernandez-Garcia, E. Perez-Nadales, F. Fernandez-Cuenca, J. Torre-Cisneros, J. Oteo-Iglesias, A. Oliver, R. Canton, T. Kidd, F. Navarro, E. Miro, A. Pascual, G. Bou, L. Martinez-Martinez and M. Tomas (2020). "**In vitro and in vivo efficacy of combinations of colistin and different endolysins against clinical strains of multi-drug resistant pathogens.**" Sci Rep **10**(1): 7163.

IF: 3.998 *8/111 Q1 (Multidisciplinary) 2020
[Veure Document / Ver Documento / See Document](#)

5 Bleriot, I., R. Trastoy, L. Blasco, F. Fernandez-Cuenca, A. Ambroa, L. Fernandez-Garcia, O. Pacios, E. Perez-Nadales, J. Torre-Cisneros, J. Oteo-Iglesias, F. Navarro, E. Miro, A. Pascual, G. Bou, L. Martinez-Martinez and M. Tomas (2020). "Genomic analysis of 40 prophages located in the genomes of 16 carbapenemase-producing clinical strains of *Klebsiella pneumoniae*." *Microb Genom* 6(5).
IF: 5.465 *28/283 Q1 (Infectious Diseases) & *14/115 Q2 (MICROBIOLOGY) 2020
[Veure Document / Ver Documento / See Document](#)

6 Canton, R., A. Oliver, J. I. Alos, N. de Benito, G. Bou, J. Campos, J. Calvo, A. Canut, J. Castillo, E. Cercenado, M. A. Dominguez, F. Fernandez-Cuenca, J. Guinea, N. Larrosa, J. Linares, L. Lopez-Cerero, A. Lopez-Navas, F. Marco, B. Mirelis, M. A. Moreno-Romo, M. I. Morosini, F. Navarro, J. Oteo, A. Pascual, E. Perez-Trallero, M. Perez-Vazquez, A. Soriano, C. Torres, J. Vila and L. Martinez-Martinez (2020). "Recommendations of the Spanish Antibiogram Committee (COESANT) for selecting antimicrobial agents and concentrations for in vitro susceptibility studies using automated systems." *Enfermedades Infecciosas y Microbiología Clínica* 38(4): 182-187.
IF: 1.654 *79/115 Q3 (MICROBIOLOGY) 2020
[Veure Document / Ver Documento / See Document](#)

7 Chen, Q., C. Perales, M. E. Soria, D. Garcia-Cehic, J. Gregori, F. Rodriguez-Frias, M. Buti, J. Crespo, J. L. Calleja, D. Tabernero, M. Vila, F. Lazaro, A. Rando-Segura, L. Nieto-Aponte, M. Llorens-Revull, M. F. Cortese, I. Fernandez-Alonso, J. Castellote, J. Niubo, A. Imaz, X. Xiol, L. Castells, M. Riveiro-Barciela, J. Llaneras, J. Navarro, V. Vargas-Blasco, S. Augustin, I. Conde, A. Rubin, M. Prieto, X. Torras, N. Margall, X. Forns, Z. Marino, S. Lens, M. Bonacci, S. Perez-Del-Pulgar, M. C. Londono, M. L. Garcia-Buey, P. Sanz-Cameno, R. Morillas, E. Martro, V. Saludes, H. Masnou-Ridaura, J. Salmeron, R. Quiles, J. A. Carrion, M. Forne, M. Rosinach, I. Fernandez, J. Garcia-Samaniego, A. Madejon, P. Castillo-Grau, C. Lopez-Nunez, M. J. Ferri, R. Durandez, F. Saez-Royuela, M. Diago, C. Gimeno, R. Medina, J. Buenestado, A. Bernet, J. Turnes, M. Trigo-Daporta, M. Hernandez-Guerra, M. Delgado-Blanco, A. Canizares, J. I. Arenas, M. J. Gomez-Alonso, M. Rodriguez, E. Deig, G. Olive, O. D. Rio, J. Cabezas, I. Quinones, M. Roget, S. Montoliu, J. Garcia-Costa, L. Force, S. Blanch, M. Miralbes, M. J. Lopez-de-Goicoechea, A. Garcia-Flores, M. Saumoy, T. Casanovas, C. Baliellas, P. Gilabert, A. Martin-Cardona, R. Roca, M. Barenys, J. Villaverde, S. Salord, B. Camps, M. Silvan di Yacovo, I. Ocana, S. Sauleda, M. Bes, J. Carbonell, E. Vargas-Accarino, S. P. Ruzo, M. Guerrero-Murillo, G. Von Massow, M. I. Costafreda, R. M. Lopez, L. Gonzalez-Moreno, Y. Real, D. Acero-Fernandez, S. Viroles, X. Pamplona, M. Cairo, M. D. Ocete, J. F. Macias-Sanchez, A. Estebanez, J. C. Quer, A. Mena-de-Cea, A. Otero, A. Castro-Iglesias, F. Suarez, A. Vazquez, D. Vieito, S. Lopez-Calvo, P. Vazquez-Rodriguez, F. J. Martinez-Cerezo, R. Rodriguez, R. Macenlle, A. Cachero, G. Mereish, C. Mora-Moruny, S. Fabregas, B. Sacristan, A. Albillos, J. J.

Sanchez-Ruano, R. Baluja-Pino, J. Fernandez-Fernandez, C. Gonzalez-Portela, C. Garcia-Martin, G. Sanchez-Antolin, R. J. Andrade, M. A. Simon, J. M. Pascasio, M. Romero-Gomez, J. Antonio Del-Campo, E. Domingo, R. Esteban, J. I. Esteban and J. Quer (2020). "**Deep-sequencing reveals broad subtype-specific HCV resistance mutations associated with treatment failure.**" Antiviral Res **174**: 104694.

IF: 4.101 *13/66 Q1 (VIROLOGY) & *41/301 Q1 (Pharmacology) 2020

[Veure Document / Ver Documento / See Document](#)

8 Cuevas-Ferrando, E., P. Guirado, E. Miro, Y. Iglesias-Torrens, F. Navarro, T. S. Alioto, J. Gomez-Garrido, C. Madrid and C. Balsalobre (2020). "**Tetracycline resistance transmission in Campylobacter is promoted at temperatures resembling the avian reservoir.**" Vet Microbiol **244**: 108652.

IF: 3.03 *6/178 Q1 (General Veterinary) & *58/147 Q2 (MICROBIOLOGY) 2020

[Veure Document / Ver Documento / See Document](#)

9 Doyle, R. M., M. Rubio, G. Dixon, J. Hartley, N. Klein, P. Coll and K. A. Harris (2020). "**Cross-transmission Is Not the Source of New Mycobacterium abscessus Infections in a Multicenter Cohort of Cystic Fibrosis Patients.**" Clinical Infectious Diseases **70**(9): 1855-1864.

IF: 9.416 *7/115 Q1 (MICROBIOLOGY) *33/283 Q4 (INFECTIOUS DISEASES) 2021

[Veure Document / Ver Documento / See Document](#)

10 Guirado, P., S. Paytubi, E. Miro, Y. Iglesias-Torrens, F. Navarro, M. Cerdá-Cuellar, C. S. Attolini, C. Balsalobre and C. Madrid (2020). "**Differential Distribution of the wlaN and cgtB Genes, Associated with Guillain-Barre Syndrome, in Campylobacter jejuni Isolates from Humans, Broiler Chickens, and Wild Birds.**" Microorganisms **8**(3).

[Veure Document / Ver Documento / See Document](#)

11 Hayes, A., D. Nguyen, M. Andersson, A. Anton, J. L. Bailly, S. Beard, K. S. M. Benschop, N. Berginc, S. Blomqvist, E. Cunningham, D. Davis, J. L. Dembinski, S. Diedrich, S. G. Dudman, R. Dyrdak, G. J. A. Eltringham, S. Gonzales-Goggia, R. Gunson, H. C. Howson-Wells, A. J. Jaaskelainen, F. X. Lopez-Labrador, M. Maier, M. Majumdar, S. Midgley, A. Mirand, U. Morley, S. A. Nordbo, S. Oikarinen, H. Osman, A. Papa, L. Pellegrinelli, A. Piralla, N. Rabella, J. Richter, M. Smith, A. Soderlund Strand, K. Templeton, B. Vipond, T. Vuorinen, C. Williams, E. Wollants, K. Zakikhany, T. K. Fischer, H. Harvala and P. Simmonds (2020). "**A European multicentre evaluation of detection and typing methods for human enteroviruses and parechoviruses using RNA transcripts.**" J Med Virol **92**(8): 1065-1074.

IF: 2,021

[Veure Document / Ver Documento / See Document](#)

12 Miro, E., J. W. A. Rossen, M. A. Chlebowicz, D. Harmsen, S. Brisse, V. Passet, F. Navarro, A. W. Friedrich and S. García-Cobos (2020). "**Core/Whole Genome Multilocus Sequence Typing and Core Genome SNP-Based Typing of OXA-48-Producing Klebsiella pneumoniae Clinical Isolates From Spain.**" *Frontiers in Microbiology* **10**(2961).

IF: 4.236 *18/115 Q1 (MICROBIOLOGY) 2020

[Veure Document / Ver Documento / See Document](#)

13 Montero, M., S. Domene Ochoa, C. Lopez-Causape, B. VanScoy, S. Luque, L. Sorli, N. Campillo, A. Angulo-Brunet, E. Padilla, N. Prim, V. Pomar, A. Rivera, S. Grau, P. G. Ambrose, A. Oliver and J. P. Horcajada (2020). "**Efficacy of Ceftolozane-Tazobactam in Combination with Colistin against Extensively Drug-Resistant *Pseudomonas aeruginosa*, Including High-Risk Clones, in an In Vitro Pharmacodynamic Model.**" *Antimicrobial Agents Chemotherapy* **64**(4).

IF: 4.904 *28/133 Q1 (MICROBIOLOGY) *28/301 Q1 (PHARMACOLOGY & TOXICOLOGY) 2020

[Veure Document / Ver Documento / See Document](#)

14 Mur, I., M. Jordan, A. Rivera, V. Pomar, J. C. Gonzalez, J. Lopez-Contreras, X. Crusi, F. Navarro, M. Gurgui and N. Benito (2020). "**Do Prosthetic Joint Infections Worsen the Functional Ambulatory Outcome of Patients with Joint Replacements? A Retrospective Matched Cohort Study.**" *Antibiotics (Basel)* **9**(12).

IF: 4.19 *139/283 Q2 (INFECTIOUS DISEASES) & *93/147 Q3 (MICROBIOLOGY) 2020

[Veure Document / Ver Documento / See Document](#)

15 Perea, L., A. Rodrigo-Troyano, E. Canto, M. Dominguez-Alvarez, J. Giner, F. Sanchez-Reus, J. Villar-Garcia, S. Quero, M. Garcia-Nunez, A. Marin, E. Monso, R. Faner, A. Agusti, S. Vidal and O. Sibila (2020). "**Reduced airway levels of fatty-acid binding protein 4 in COPD: relationship with airway infection and disease severity.**" *Respir Res* **21**(1): 21.

IF: 4.065 *30/131 Q1 (Pulmonary and Respiratory Medicine) 2020

[Veure Document / Ver Documento / See Document](#)

16 Pomar, V., N. de Benito, A. Mauri, P. Coll, M. Gurgui and P. Domingo (2020). "**Characteristics and outcome of spontaneous bacterial meningitis in patients with diabetes mellitus.**" *BMC Infect Dis* **20**(1): 292.

IF: 2,864

[Veure Document / Ver Documento / See Document](#)

17 Requena-Mendez, A., J. Salas-Coronas, F. Salvador, J. Gomez-Junyent, J. Villar-Garcia, M. Santin, C. Munoz, A. Gonzalez-Cordon, M. T. Cabezas Fernandez, E. Sulleiro, M. D. M. Arenas, D. Somoza, J. Vazquez-Villegas, B. Trevino, E. Rodriguez, M. E. Valls, L. L.-M. J. C. Subira and J. Munoz (2020). "**High Prevalence of Strongyloidiasis in Spain: A Hospital-Based Study.**" *Pathogens* **9**(2).

IF: 6.218 *13/147 Q1 (MICROBIOLOGY) *4/66 Q1 (Parasitology) 2020

[Veure Document / Ver Documento / See Document](#)

18 Rivera, A., A. Sanchez, S. Luque, I. Mur, L. Puig, X. Crusi, J. C. Gonzalez, L. Sorli, A. Gonzalez, J. P. Horcajada, F. Navarro and N. Benito (2020). "**Intraoperative Bacterial Contamination and Activity of Different Antimicrobial Prophylaxis Regimens in Primary Knee and Hip Replacement.**" *Antibiotics (Basel)* **10**(1).

IF: 4.19 *139/283 Q2 (INFECTIOUS DISEASES) & *93/147 Q3 (MICROBIOLOGY) 2020

[Veure Document / Ver Documento / See Document](#)

19 Rodriguez-Navarro, J., E. Miro, M. Brown-Jaque, J. C. Hurtado, A. Moreno, M. Muniesa, J. J. Gonzalez-Lopez, J. Vila, P. Espinal and F. Navarro (2020). "**Comparison of Commensal and Clinical Isolates for Diversity of Plasmids in Escherichia coli and Klebsiella pneumoniae.**" *Antimicrobial Agents Chemotherapy* **64**(5).

IF: 4.904 *28/133 Q1 (MICROBIOLOGY) *28/301 Q1 (PHARMACOLOGY & TOXICOLOGY) 2020

[Veure Document / Ver Documento / See Document](#)

20 Sanchez, A., N. Benito, A. Rivera, L. Garcia, E. Miro, I. Mur, Y. Gonzalez, C. Gutierrez, J. P. Horcajada, P. Espinal and F. Navarro (2020). "**Pathogenesis of Staphylococcus epidermidis in prosthetic joint infections: Can identification of virulence genes differentiate between infecting and commensal strains?**" *Journal of Hospital Infection* (Apr 24;S0195-6701(20)30201-2.).

IF: 3.271 *23/115 Q1 (MICROBIOLOGY) *53/283 Q1 (INFECTIOUS DISEASES) 2020

[Veure Document / Ver Documento / See Document](#)