



REVISIÓN DE LA LITERATURA: MICROBIOLOGÍA

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TAXONOMÍA

1.- Update on accepted novel bacterial isolates derived from human clinical specimens and taxonomic revisions published in 2020 and 2021

Erik Munson, Karen C Carroll. J Clin Microbiol. 2023 Jan 26;61(1):e0028222. doi: 10.1128/jcm.00282-22.

DIAGNÓSTICO MICROBIOLÓGICO

2.- Pathogen detection in infective endocarditis using targeted metagenomics on whole blood and plasma: a prospective pilot study

Laure Flurin, Matthew J Wolf, Cody R Fisher, Edison J Cano Cevallos, James J Vaillant, Bobbi S Pritt, et al. J Clin Microbiol. 2022 Sep 21;60(9):e0062122. doi: 10.1128/jcm.00621-22.

3.- Integrons, a predictive biomarker for antibiotic resistance in acute sepsis: the IRIS study

Olivier Barraud, Elie Guichard, Delphine Chainier, Deborah Postil, Loïc Chimot, Emmanuelle Mercier, et al. J Antimicrob Chemother 2022; 77: 213–217. doi:10.1093/jac/dkab348.

4.- Effective rapid diagnosis of bacterial and fungal bloodstream infections by T2 magnetic resonance technology in the pediatric population

Barbara Lucignano, Valeria Cento, Marilena Agosta, Federico Ambrogi, Sami Albitar-Nehme, Livia Mancinelli, et al. J Clin Microbiol. 2022 Oct 19;60(10):e0029222. doi: 10.1128/jcm.00292-22.

5.- COVID-19 variant detection with a high-fidelity CRISPR-Cas12 enzyme

Clare L Fasching, Venice Servellita, Bridget McKay, Vaishnavi Nagesh, James P Broughton, Alicia Sotomayor-Gonzalez, et al. J Clin Microbiol. 2022 Jul 20;60(7):e0026122. doi: 10.1128/jcm.00261-22.

6.- Clinical evaluation of the BioFire Global Fever Panel for the identification of malaria, leptospirosis, chikungunya, and dengue from whole blood: a prospective, multicentre, cross-sectional diagnostic accuracy study

Yukari C Manabe, Joshua Betz, Olivia Jackson, Victor Asoala, Isabel Bazan, Paul W Blair, Lancet Infect Dis. 2022 Sep;22(9):1356-1364. doi: 10.1016/S1473-3099(22)00290-0.

DETERMINACIÓN DE SENSIBILIDAD A ANTIMICROBIANOS

7.- Stop waiting for tomorrow: disk diffusion performed on early growth is an accurate method for antimicrobial susceptibility testing with reduced turnaround time.

Daniel M Webber, Meghan A Wallace, Carey-Ann D Burnham. J Clin Microbiol. 2022 May 18;60(5):e0300720. doi: 10.1128/JCM.03007-20.

8.- Performance of the Reveal rapid antibiotic susceptibility testing system on Gram-negative blood cultures at a large urban hospital.

Robert Tibbetts, Sheeja George, Reece Burwell, Lara Rajeev, Paul A. Rhodes, Pragya Singh, Linoj Samuela. J Clin Microbiol. 2022 Jun 15;60(6):e0009822. doi: 10.1128/jcm.00098-22.



9.- The European committee on antimicrobial susceptibility testing disc diffusion susceptibility testing method for frequently isolated anaerobic bacteria

Erika Matuschek, Sarah Copsey-Mawer, Sara Petersson, Jenny Åhman, Trefor Elis Morris, Gunnar Kahlmeter. Clin Microbiol Infect. 2023 Feb 4;S1198-743X(23)00052-6. doi: 10.1016/j.cmi.2023.01.027.

10.- Evaluation of a new rapid immunochromatographic assay for the detection of GES-producing Gram-negative bacteria

Camille Gonzalez, Hervé Volland, Saoussen Oueslati, Léa Niol, Camille Legrand, Laura Francius, Arnaud Chalin, Anaïs Vogel, Stéphanie Simon, Thierry Naas. J Antimicrob Chemother. 2023 May 3;78(5):1282-1287. doi: 10.1093/jac/dkad090.

11.- A simple disk pre-diffusion test to predict in vitro aztreonam/avibactam activity against NDM-producing *Klebsiella pneumoniae* complex

Keila de Oliveira Lima, Aline Valério de Lima, Darlan Augusto da Costa Rocha, Suely Carlos Ferreira Sampaio, Paola Cappellano, Jorge Luiz Mello Sampaio. J Glob Antimicrob Resist . 2022 Mar;28:49-52. doi: 10.1016/j.jgar.2021.12.009.

MICOBACTERIAS

12.- Evaluation of metasequencing automated fluorescent microscopy system for the machine-assisted detection of acid-fast bacilli in clinical samples.

Gianna Tomasello, Farnaz Foroughi, Danielle Padron, Angel Moreno, Niaz Banaei. J Clin Microbiol . 2022 Oct 19;60(10):e0113122. doi: 10.1128/jcm.01131-22.

RESISTENCIA A ANTIMICROBIANOS

13.- NDM-35-producing ST167 *Escherichia coli* highly resistant to β -lactams Including cefiderocol

Laurent Poiriel, José Manuel Ortiz de la Rosa, Zeynep Sakaoglu, Ayda Kusaksizoglu, Mustafa Sadek, Patrice Nordmann. Antimicrob Agents Chemother. 2022 Aug 16;66(8):e0031122. doi: 10.1128/aac.00311-22.

14.- Deciphering variable resistance to novel carbapenem-based β -lactamase inhibitor combinations in a multi-clonal outbreak caused by *Klebsiella pneumoniae* carbapenemase (KPC)-producing *Klebsiella pneumoniae* resistant to ceftazidime/avibactam

Vincenzo Di Pilato, Luigi Principe, Lilia Andriani, Noemi Aiezza, Marco Coppi, Silvia Ricci, et al. Clin Microbiol Infect. 2023 Apr;29(4):537.e1-537.e8. doi: 10.1016/j.cmi.2022.11.011.

15.- *In vivo* emergence of high-level resistance during treatment reveals the first identified mechanism of amphotericin B resistance in *Candida auris*

Jeffrey M Rybak, Katherine S Barker, José F Muñoz, Josie E Parker, Suhail Ahmad, Eiman Mokaddas, et al. Clin Microbiol Infect. 2022 Jun;28(6):838-843. doi: 10.1016/j.cmi.2021.11.024.

LABORATORIOS DE MICROBIOLOGÍA Y CAMBIO CLIMÁTICO

16.- The unintended contribution of clinical microbiology laboratories to climate change and mitigation strategies: a combination of descriptive study, short survey, literature review and opinion

Erlangga Yusuf, Ad Luijendijk, Geesje Roo-Brand, Alexander W. Friedrich. Clin Microbiol Infect. 2022 Sep;28(9):1245-1250. doi: 10.1016/j.cmi.2022.03.034.