

DAFTAR PUSTAKA

- Abban, M. K., Ayerakwa, E. A., Mosi, L., & Isawumi, A. (2023). The burden of hospital acquired infections and antimicrobial resistance. *Heliyon*, 9(10). <https://doi.org/10.1016/j.heliyon.2023.e20561>
- Ahn, Y. H., Lee, J., Oh, D. K., Lee, S. Y., Park, M. H., Lee, H., Lim, C.-M., Lee, S.-M., Lee, H. Y., Lim, C.-M., Hong, S.-B., Oh, D. K., Suh, G. Y., Jeon, K., Ko, R.-E., Cho, Y.-J., Lee, Y. J., Lim, S. Y., Park, S., ... Investigators, the K. S. A. (KSA). (2023). Association between the timing of ICU admission and mortality in patients with hospital-onset sepsis: a nationwide prospective cohort study. *Journal of Intensive Care*, 11(1), 16. <https://doi.org/10.1186/s40560-023-00663-6>
- Aiesh, B. M., Maali, Y., Qandeel, F., Omarya, S., Taha, S. A., Sholi, S., Sabateen, A., Taha, A. A., & Zyoud, S. H. (2023). Epidemiology and clinical characteristics of patients with carbapenem-resistant enterobacterales infections: experience from a large tertiary care center in a developing country. *BMC Infectious Diseases*, 23(1), 644. <https://doi.org/10.1186/s12879-023-08643-9>
- Aiesh, B. M., Zuhour, A., Omar, M. A., Hamad, M. H., Abutaha, A., Al-Jabi, S. W., Sabateen, A., & Zyoud, S. H. (2024). Patterns of fluoroquinolone utilization and resistance in a tertiary care hospital: a retrospective cross-sectional analysis study from a developing country. *BMC Infectious Diseases*, 24(1), 856. <https://doi.org/10.1186/s12879-024-09749-4>
- Akhlaghi, F., Nikokar, I., Mojtahedi, A., Mobin, M., Atrkar Roshan, Z., & Karampour, M. (2024). Molecular Detection of Mutations in gyrA, gyrB, parC, and parE Genes in the Quinolone Resistance Determining Region Among Pseudomonas aeruginosa Isolated From Burn Wound Infection. *Iran-J-Med-Microbiol*, 18(2), 89–96. <https://doi.org/10.30699/ijmm.18.2.89>
- Al Bshabshe, A., Algarni, A., Shabi, Y., Alwahhabi, A., Asiri, M., Alasmari, A., Alshehry, A., Mousa, W. F., & Noreldin, N. (2024). Characterization and Antimicrobial Susceptibility Patterns of Enterococcus Species Isolated from Nosocomial Infections in a Saudi Tertiary Care Hospital over a Ten-Year Period (2012–2021). *Diagnostics*, 14(11). <https://doi.org/10.3390/diagnostics14111190>
- Alhamyani, A. H., Alamri, M. S., Aljuaid, N. W., Aloubthani, A. H., Alzahrani, S., Alghamdi, A. A., Lajdam, A. S., Alamoudi, H., Alamoudi, A. A., Albulushi, A. M., & AlQarni, S. N. (2024). Sepsis in Aging Populations: A Review of Risk Factors, Diagnosis, and Management. *Cureus*. <https://doi.org/10.7759/cureus.74973>
- Alotaibi, F., Alshibani, A., Banerjee, J., & Manktelow, B. (2025). The association between frailty and hospital-related adverse events in older hospitalised patients: a systematic literature review. *European Geriatric Medicine*, 16(4), 1303–1318. <https://doi.org/10.1007/s41999-025-01242-8>
- Alotaibi, Thabit, Abuhaimed, Abdulrhman, Alshahrani, Mohammed, Abdelhady, Ahmed, Almubarak, Yousef, & Almasari, Osama. (2021). Prevalence of multidrug-resistant Acinetobacter baumannii in a critical care setting: A tertiary teaching hospital experience. *Sage Open Medicine*, 9, 20503121211001144. <https://doi.org/10.1177/20503121211001144>
- Anggraeni, M., Suciyantri, Q. P., & Arfania, M. (2022). Review Artikel : Ketepatan Penggunaan Antibiotik Pada Pasien Sepsis. *Jurnal Pendidikan dan Konseling*, 4. <https://doi.org/10.31004/jpdk.v4i6.10685>
- Anwar, Khanda Abdulateef, Saadalla, Shyar Mustafa, Muhammad Amin, Aran Jabar, Ahmed, Shad Mahdi, & Qadir, Mina Kawa. (2024). Antibiotic susceptibility and phenotypic profile of Staphylococcus species isolated from different clinical samples from health facilities: A cross-sectional study. *Sage Open Medicine*, 12, 20503121241306970. <https://doi.org/10.1177/20503121241306968>
- Asmarawati, T. P., Widyatama, F. S., Notobroto, H. B., Nasronudin, N., Sugai, M., & Kuntaman, K. (2025). Risk Factors and Clinical Impact of Extended-Spectrum Beta-Lactamase (ESBL)-Producing Escherichia coli Bacteremia Among Hospitalized Patients. *Antibiotics*, 14(9). <https://doi.org/10.3390/antibiotics14090882>
- Auzin, A., Spits, M., Tacconelli, E., Rodríguez-Baño, J., Hulscher, M., Adang, E., Voss, A., & Wertheim, H. (2022). What is the evidence base of used aggregated antibiotic resistance percentages to change empirical antibiotic treatment? A scoping review. *Clinical Microbiology and Infection*, 28(7), 928–935. <https://doi.org/10.1016/j.cmi.2021.12.003>

- Ayesha, K., A. A. C., April, A., Jennifer, D. B., M. B. M., & M. H. R. (2021). Evaluation of the Vitek 2, Phoenix, and MicroScan for Antimicrobial Susceptibility Testing of *Stenotrophomonas maltophilia*. *Journal of Clinical Microbiology*, 59(9), 10.1128/jcm.00654-21. <https://doi.org/10.1128/jcm.00654-21>
- Bhat, A., Angmo, D., & Nazir, S. (2020). Comparison of Automated and Manual Methods for Antimicrobial Susceptibility Testing. *Microbiology Research Journal International*, 43–48. <https://doi.org/10.9734/mrji/2020/v30i230197>
- Bonnet, M., Lagier, J. C., Raoult, D., & Khelaifia, S. (2020). Bacterial culture through selective and non-selective conditions: the evolution of culture media in clinical microbiology. *New Microbes and New Infections*, 34, 100622. <https://doi.org/10.1016/j.nmni.2019.100622>
- Borcan, A. M., Rotaru, E., Caravia, L. G., Filipescu, M. C., & Simoiu, M. (2025). Trends in Antimicrobial Resistance of *Acinetobacter baumannii* and *Pseudomonas aeruginosa* from Bloodstream Infections: An Eight-Year Study in a Romanian Tertiary Hospital. *Pharmaceuticals*, 18(7). <https://doi.org/10.3390/ph18070948>
- Brandes-Leibovitz, R., Riza, A., Yankovitz, G., Pirvu, A., Dorobantu, S., Dragos, A., Streata, I., Ricaño-Ponce, I., de Nooijer, A., Dumitrescu, F., Antonakos, N., Antoniadou, E., Dimopoulos, G., Koutsodimitropoulos, I., Kontopoulou, T., Markopoulou, D., Aimoniotou, E., Komnos, A., Dalekos, G. N., ... Netea, M. G. (2024). Sepsis pathogenesis and outcome are shaped by the balance between the transcriptional states of systemic inflammation and antimicrobial response. *Cell Reports Medicine*, 5(11), 101829. <https://doi.org/10.1016/j.xcrm.2024.101829>
- Brunetti, E., Isaia, G., Rinaldi, G., Brambati, T., De Vito, D., Ronco, G., & Bo, M. (2022). Comparison of Diagnostic Accuracies of qSOFA, NEWS, and MEWS to Identify Sepsis in Older Inpatients With Suspected Infection. *Journal of the American Medical Directors Association*, 23(5), 865-871.e2. <https://doi.org/10.1016/j.jamda.2021.09.005>
- Bwanali, A. N., Lubanga, A. F., Kondowe, S., Nzima, E., Mwale, A., Kamanga, W., Enerico, C., Masautso, C., Kapatsa, T., Mudenda, S., Mpinganjira, S., Mwale, G., Chitule, C., Kawerama, A., Chibwe, I., Nyirenda, T., & Mitambo, C. (2025). Trends and patterns of antimicrobial resistance among common pathogens isolated from adult bloodstream and urinary tract infections in public health facilities in Malawi, 2020–2024. *BMC Infectious Diseases*, 25(1), 946. <https://doi.org/10.1186/s12879-025-11335-1>
- Cento, V., Carloni, S., Sarti, R., Bussini, L., Asif, Z., Morelli, P., De Fazio, F., Tordato, F. M., Casana, M., Mondatore, D., Desai, A., Generali, E., Pugliese, N., Costantini, E., Vanoni, M., Cecconi, M., Aliberti, S., Da Rin, G., Casari, E., ... Voza, A. (2025). Epidemiology and Resistance Profiles of Bacteria Isolated From Blood Samples in Septic Patients at Emergency Department Admission: A 6-Year Single Centre Retrospective Analysis From Northern Italy. *Journal of Global Antimicrobial Resistance*, 41, 202–210. <https://doi.org/10.1016/j.jgar.2024.12.023>
- Chandankhede, P. M., Karyakarte, R. P., Sadafale, A., Patil, P., Das, R., Yanamandra, S., & Palewar, M. (2025). Comparison of Broth Disk Elution and Broth Microdilution Methods for Colistin Susceptibility Testing in Carbapenem-Resistant Enterobacteriaceae and *Pseudomonas aeruginosa*. *Cureus*, 17(9).
- Cheng, L., Cao, Y., Liu, S., Lv, L., Zhang, J., Bao, J., Wang, G., & Xu, P. (2025). Unveiling the research advances of sepsis: pathogenesis, precise intervention and clinical perspective. *International Journal of Surgery*, 111(9). <https://doi.org/10.1097/JS9.0000000000002668>
- Desinta, N., Putri, L., & Mufliah, C. H. (2024). Antibacterial Activity From Extracts And Fractions Of Black Cumin (*Nigella Sativa*) Against *Propionibacterium Acnes* And *Staphylococcus Aureus* And Its Bioautography. *Usadha: Journal of Pharmacy*, 3(3). <https://doi.org/10.23917/ujp.v3i3.404>
- Dyck, B., Unterberg, M., Adamzik, M., & Koos, B. (2024). The Impact of Pathogens on Sepsis Prevalence and Outcome. *Pathogens*, 13(1). <https://doi.org/10.3390/pathogens13010089>
- Eka Ramadhani, C., Hussein Gasem, M., Erwin Indrakusuma, M., Amaliah, N., & Indriyati, R. (2024). Pola Bakteri Penyebab Sepsis dan Kepekannya terhadap Antibiotik di Rumah Sakit Daerah Gunung Jati

- Periode 1 Januari-31 Desember 2022. *Tunas Medika Jurnal Kedokteran & Kesehatan*. <https://doi.org/10.33603/tumed.v10i3.9617>
- Evans, L., Rhodes, A., Alhazzani, W., Antonelli, M., Coopersmith, C. M., French, C., Machado, F. R., McIntyre, L., Ostermann, M., Prescott, H. C., Schorr, C., Simpson, S., Wiersinga, W. J., Alshamsi, F., Angus, D. C., Arabi, Y., Azevedo, L., Beale, R., Beilman, G., ... Levy, M. (2021). Surviving sepsis campaign: international guidelines for management of sepsis and septic shock 2021. *Intensive Care Medicine*, 47(11), 1181–1247. <https://doi.org/10.1007/s00134-021-06506-y>
- Falasca, K., Vetrugno, L., Borrelli, P., Di Nicola, M., Ucciferri, C., Gambi, A., Bazydlo, M., Taraschi, G., Vecchiet, J., & Maggiore, S. M. (2024). Antimicrobial resistance in intensive care patients hospitalized with SEPSIS: a comparison between the COVID-19 pandemic and pre-pandemic era. *Frontiers in Medicine*, 11. <https://doi.org/10.3389/fmed.2024.1355144>
- Flannery, D. D., Edwards, E. M., Coggins, S. A., Horbar, J. D., & Puopolo, K. M. (2022). Late-Onset Sepsis Among Very Preterm Infants. *Pediatrics*, 150(6), e2022058813. <https://doi.org/10.1542/peds.2022-058813>
- Flannery, D. D., Edwards, E. M., Puopolo, K. M., & Horbar, J. D. (2021). Early-Onset Sepsis Among Very Preterm Infants. *Pediatrics*, 148(4), e2021052456. <https://doi.org/10.1542/peds.2021-052456>
- Fleischmann-Struzek, C., Mellhammar, L., Rose, N., Cassini, A., Rudd, K. E., Schlattmann, P., Allegranzi, B., & Reinhart, K. (2020). Incidence and mortality of hospital- and ICU-treated sepsis: results from an updated and expanded systematic review and meta-analysis. *Intensive Care Medicine*, 46(8), 1552–1562. <https://doi.org/10.1007/s00134-020-06151-x>
- Flinspach, A. N., Konczalla, J., Seifert, V., Zacharowski, K., Herrmann, E., Balaban, Ü., & Adam, E. H. (2022). Detecting Sepsis in Patients with Severe Subarachnoid Hemorrhage during Critical Care. *Journal of Clinical Medicine*, 11(14). <https://doi.org/10.3390/jcm11144229>
- Fu, Y., Chen, Y., Wang, Y., Yao, B., Li, P., & Yu, Y. (2024). Susceptibility of various Gram-negative bacteria to antibacterial agents: SMART in China 2019–2020. *BMC Microbiology*, 24(1), 524. <https://doi.org/10.1186/s12866-024-03526-8>
- Fuchs, A., Tufa, T. B., Hörner, J., Hurissa, Z., Nordmann, T., Bosselmann, M., Abdissa, S., Sorsa, A., Orth, H. M., Jensen, B.-E. O., MacKenzie, C., Pfeffer, K., Kaasch, A. J., Bode, J. G., Häussinger, D., & Feldt, T. (2021). Clinical and microbiological characterization of sepsis and evaluation of sepsis scores. *PLOS ONE*, 16(3), e0247646-. <https://doi.org/10.1371/journal.pone.0247646>
- Gajic, I., Kabic, J., Kekic, D., Jovicevic, M., Milenkovic, M., Mitic Culaic, D., Trudic, A., Ranin, L., & Opavski, N. (2022). Antimicrobial Susceptibility Testing: A Comprehensive Review of Currently Used Methods. Dalam *Antibiotics* (Vol. 11, Nomor 4). MDPI. <https://doi.org/10.3390/antibiotics11040427>
- Gatica, S., Fuentes, B., Rivera-Asín, E., Ramírez-Céspedes, P., Sepúlveda-Alfaro, J., Catalán, E. A., Bueno, S. M., Kalergis, A. M., Simon, F., Riedel, C. A., & Melo-Gonzalez, F. (2023). Novel evidence on sepsis-inducing pathogens: from laboratory to bedside. *Frontiers in Microbiology*, 14. <https://doi.org/10.3389/fmicb.2023.1198200>
- Ghahramani, A., Naghadian Moghaddam, M. M., Kianparsa, J., & Ahmadi, M. H. (2024). Overall status of carbapenem resistance among clinical isolates of *Acinetobacter baumannii*: a systematic review and meta-analysis. *Journal of Antimicrobial Chemotherapy*, 79(12), 3264–3280. <https://doi.org/10.1093/jac/dkac358>
- Giménez-Pérez, M., Hernández, S., Padullés, A., Boix-Palop, L., Grau, S., Badia, J. M., Ferrer, R., Calbo, E., Limón, E., Pujol, M., Horcajada, J. P., Blanco, N. V., Vidal, R. P., Fernández, F. J. V.-M., de Gracia García Ramírez, M., Castro, I. J., Serra, N. J., Satorra, R. M. M., Martorell, S. O., ... Sanz, M. M. (2024). Impact of an antimicrobial stewardship program indicator on the appropriateness of the empiric antibiotic treatment of urinary source *Escherichia coli* bacteraemia. *International Journal of Antimicrobial Agents*, 64(2), 107202. <https://doi.org/10.1016/j.ijantimicag.2024.107202>

- Ginestra, J. C., Coz Yataco, A. O., Dugar, S. P., & Dettmer, M. R. (2024). Hospital-Onset Sepsis Warrants Expanded Investigation and Consideration as a Unique Clinical Entity. *CHEST*, 165(6), 1421–1430. <https://doi.org/10.1016/j.chest.2024.01.028>
- Gondal, A. J., Choudhry, N., Niaz, A., & Yasmin, N. (2024). Molecular Analysis of Carbapenem and Aminoglycoside Resistance Genes in Carbapenem-Resistant *Pseudomonas aeruginosa* Clinical Strains: A Challenge for Tertiary Care Hospitals. *Antibiotics*, 13(2). <https://doi.org/10.3390/antibiotics13020191>
- Guarino, M., Perna, B., Cesaro, A. E., Maritati, M., Spampinato, M. D., Contini, C., & De Giorgio, R. (2023). 2023 Update on Sepsis and Septic Shock in Adult Patients: Management in the Emergency Department. *Journal of Clinical Medicine*, 12(9). <https://doi.org/10.3390/jcm12093188>
- He, W., Yao, C., Wang, K., Duan, Z., Wang, S., & Xie, L. (2024). Single-cell landscape of immunological responses in elderly patients with sepsis. *Immunity and Ageing*, 21(1). <https://doi.org/10.1186/s12979-024-00446-z>
- Huang, X., Yao, X., Hou, Y., Zhang, D., Xie, R., Shi, C., Shang, Y., Bi, H., Song, W., Hua, L., Li, C., Chen, H., Wu, B., & Peng, Z. (2025). Global trends of antimicrobial resistance and virulence of *Klebsiella pneumoniae* from different host sources. *Communications Medicine*, 5(1), 383. <https://doi.org/10.1038/s43856-025-01112-1>
- Hussain, Z., Farooqui, F., Ibrahim, A., & Baig, S. (2025). Patients and Surfaces: Integrated Clinical–Environmental Surveillance of MDR Gram-Negative Bacteria in Critical-Care Units (Karachi, 2024–2025). *Microorganisms*, 13(12). <https://doi.org/10.3390/microorganisms13122762>
- Ibarz, M., Haas, L. E. M., Ceccato, A., & Artigas, A. (2024). The critically ill older patient with sepsis: a narrative review. *Annals of Intensive Care*, 14(1), 6. <https://doi.org/10.1186/s13613-023-01233-7>
- Janem, A., Jawabreh, D., Anabseh, Y., Jawabreh, M., Nazzal, Z., Taha, A. A., & Qadi, M. (2024). Fecal carriage of extended-spectrum β -lactamase-producing, and carbapenem-resistant gram-negative bacteria among hemodialysis patients in a palestinian tertiary care hospital. *BMC Infectious Diseases*, 24(1), 1334. <https://doi.org/10.1186/s12879-024-10236-z>
- Jean, S. S., Chang, Y. C., Lin, W. C., Lee, W. Sen, Hsueh, P. R., & Hsu, C. W. (2020). Epidemiology, treatment, and prevention of nosocomial bacterial pneumonia. Dalam *Journal of Clinical Medicine* (Vol. 9, Nomor 1). MDPI. <https://doi.org/10.3390/jcm9010275>
- Jia, P., Zhu, Y., Li, X., Kudinha, T., Yang, Y., Zhang, G., Zhang, J., Xu, Y., & Yang, Q. (2021). High Prevalence of Extended-Spectrum Beta-Lactamases in *Escherichia coli* Strains Collected From Strictly Defined Community-Acquired Urinary Tract Infections in Adults in China: A Multicenter Prospective Clinical Microbiological and Molecular Study. *Frontiers in Microbiology*, Volume 12-2021. <https://doi.org/10.3389/fmicb.2021.663033>
- Jo, S. B., Ahn, S. T., Joo, H. J., Kim, J. W., & Oh, M. M. (2025). Carbapenem Resistance and ESBL-Producing Enterobacteriaceae in Patients with Urological Infections from 2012 to 2021 in Three Korean Hospitals. *Diagnostics*, 15(16). <https://doi.org/10.3390/diagnostics15162004>
- Kaprou, G. D., Bergšpica, I., Alexa, E. A., Alvarez-Ordóñez, A., & Prieto, M. (2021). Rapid methods for antimicrobial resistance diagnostics. Dalam *Antibiotics* (Vol. 10, Nomor 2, hlm. 1–30). MDPI AG. <https://doi.org/10.3390/antibiotics10020209>
- Karakoc Parlayan, H. N., Aksoy, F., Ozdemir, M. N., Ozkaya, E., & Yilmaz, G. (2025). A Nosocomial Outbreak of *Burkholderia cepacia* complex Linked to Contaminated Intravenous Medications in a Tertiary Care Hospital. *Antibiotics*, 14(8). <https://doi.org/10.3390/antibiotics14080774>
- Kasse, G. E., Cosh, S. M., Humphries, J., & Islam, M. S. (2024). Antimicrobial prescription pattern and appropriateness for respiratory tract infection in outpatients: a systematic review and meta-analysis. *Systematic Reviews*, 13(1), 229. <https://doi.org/10.1186/s13643-024-02649-3>
- Kemenkes RI. (2021). *Pedoman Penggunaan Antibiotik*.

- Kiya, G. T., Mekonnen, Z., Asefa, E. T., Gudina, E. K., Ahmed, H., Beyene, G., Mekonnen, M., & Abebe, G. (2025). Bacterial isolates and antibiotic resistance in critically ill sepsis patients at a tertiary hospital in Ethiopia. *BMC Infectious Diseases*, 25(1), 1046. <https://doi.org/10.1186/s12879-025-11474-5>
- Kumar, H., Kaur, N., Kumar, N., Chauhan, J., Bala, R., & Chauhan, S. (2023). Achieving pre-eminence of antimicrobial resistance among non-fermenting Gram-negative bacilli causing septicemia in intensive care units: A single center study of a tertiary care hospital. *MDPI Journals*. <https://doi.org/10.18683/germs.2023.1374>
- Kwiecinski, J. M., & Horswill, A. R. (2020). Staphylococcus aureus bloodstream infections: pathogenesis and regulatory mechanisms. *Current Opinion in Microbiology*, 53, 51–60. <https://doi.org/10.1016/j.mib.2020.02.005>
- Kyriakidis, I., Vasileiou, E., Pana, Z. D., & Tragiannidis, A. (2021). Acinetobacter baumannii antibiotic resistance mechanisms. *Pathogens*, 10(3). <https://doi.org/10.3390/pathogens10030373>
- Lakbar, I., Einav, S., Lalevée, N., Martin-Loeches, I., Pastene, B., & Leone, M. (2023). Interactions between Gender and Sepsis—Implications for the Future. *Microorganisms*, 11(3). <https://doi.org/10.3390/microorganisms11030746>
- Lin, L., Sun, R., Yao, T., Zhou, X., & Harbarth, S. (2020). Factors influencing inappropriate use of antibiotics in outpatient and community settings in China: a mixed-methods systematic review. *BMJ Global Health*, 5(11), e003599. <https://doi.org/10.1136/bmjgh-2020-003599>
- Lisowska-Lysiak, K., Lauterbach, R., Międzobrodzki, J., & Kosecka-Strojek, M. (2021). Epidemiology and Pathogenesis of Staphylococcus Bloodstream Infections in Humans: a Review. *Polish Journal of Microbiology*, 70(1), 13–23. <https://doi.org/10.33073/pjm-2021-005>
- López, M., Rojo-Bezares, B., Chichón, G., & Sáenz, Y. (2022). Resistance to Fluoroquinolones in Pseudomonas aeruginosa from Human, Animal, Food and Environmental Origin: The Role of CrpP and Mobilizable ICEs. *Antibiotics*, 11(9). <https://doi.org/10.3390/antibiotics11091271>
- Low, G. K. K., Harris, K., Woodward, M., & Thompson, K. J. (2025). Sex Differences in Risk Factors for Incident Sepsis Hospitalizations: A Prospective Cohort Study Using the UK Biobank. *The Journal of Infectious Diseases*, 232(2), 393–400. <https://doi.org/10.1093/infdis/jiaf122>
- Luo, H., Xu, L., & Chen, Y. (2023). Drug resistance and susceptibility of amikacin in children with extended-spectrum beta-lactamase-producing Enterobacterales: a systematic review with meta-analysis. *Diagnostic Microbiology and Infectious Disease*, 106(4), 115956. <https://doi.org/10.1016/j.diagmicrobio.2023.115956>
- Luthfi Aziz, M., Puspita Sari, I., & Humardewayanti Asdie, R. (2022). The relationship of empirical antibiotic appropriateness based on ATS/IDSA with clinical outcome and LOS for sepsis pneumonia patients in ICU. *Jurnal Ilmiah Farmasi (Scientific Journal of Pharmacy)*, 18(1), 88–100. <https://doi.org/10.20885/jif.vol18.iss1.art9>
- Mansouri, S., Savari, M., Malakian, A., & Abbasi Montazeri, E. (2024). High prevalence of multidrug-resistant Enterobacterales carrying extended-spectrum beta-lactamase and AmpC genes isolated from neonatal sepsis in Ahvaz, Iran. *BMC Microbiology*, 24(1), 136. <https://doi.org/10.1186/s12866-024-03285-6>
- Mark, D. G., Hung, Y.-Y., Salim, Z., Tarlton, N. J., Torres, E., & Frazee, B. W. (2021). Third-Generation Cephalosporin Resistance and Associated Discordant Antibiotic Treatment in Emergency Department Febrile Urinary Tract Infections. *Annals of Emergency Medicine*, 78(3), 357–369. <https://doi.org/10.1016/j.annemergmed.2021.01.003>
- Mewes, C., Runzheimer, J., Böhnke, C., Büttner, B., Hinz, J., Quintel, M., & Mansur, A. (2023). Association of Sex Differences with Mortality and Organ Dysfunction in Patients with Sepsis and Septic Shock. *Journal of Personalized Medicine*, 13(5). <https://doi.org/10.3390/jpm13050836>
- Michels, E. H. A., Butler, J. M., Reijnders, T. D. Y., Cremer, O. L., Scicluna, B. P., Uhel, F., Peters-Sengers, H., Schultz, M. J., Knight, J. C., van Vught, L. A., van der Poll, T., de Beer, F. M., Bos, L. D. J., Glas, G. J., Hoogendijk, A. J., van Hooijdonk, R. T. M., Horn, J., Huson, M. A., Schouten, L. R. A., ...

- consortium, M. (2022). Association between age and the host response in critically ill patients with sepsis. *Critical Care*, 26(1), 385. <https://doi.org/10.1186/s13054-022-04266-9>
- Miller, J. M., Binnicker, M. J., Campbell, S., Carroll, K. C., Chapin, K. C., Gonzalez, M. D., Harrington, A., Jerris, R. C., Kehl, S. C., Leal Jr, S. M., Patel, R., Pritt, B. S., Richter, S. S., Robinson-Dunn, B., Snyder, J. W., Telford III, S., Theel, E. S., Thomson Jr, R. B., Weinstein, M. P., & Yao, J. D. (2024). Guide to Utilization of the Microbiology Laboratory for Diagnosis of Infectious Diseases: 2024 Update by the Infectious Diseases Society of America (IDSA) and the American Society for Microbiology (ASM) *. *Clinical Infectious Diseases*, ciae104. <https://doi.org/10.1093/cid/ciae104>
- Min, S. Y., Yong, H. J., & Kim, D. (2024). Sex or gender differences in treatment outcomes of sepsis and septic shock. *Acute and Critical Care*, 39(2), 207–213. <https://doi.org/10.4266/acc.2024.00591>
- Moursi, S. A., Saleem, M., Alharbi, M. S., Rakha, E., Alshammari, A., Aboras, R., Hossain, A., Alshubrumi, S., Alnazha, K., alkhatieb, A., & Syed Khaja, A. S. (2025). Resistance patterns and virulence factors of *Pseudomonas aeruginosa* in hospitalized patients: A Saudi Arabian study. *Scientific Reports*, 15(1), 38118. <https://doi.org/10.1038/s41598-025-18388-x>
- Mustamsil, Handayani, I., & Abdul Kadir, N. (2023). Patterns of germs before, during and after the COVID-19 pandemic in Intensive Care Unit (ICU) patients at Dr. Wahidin Sudirohusodo, Makassar, Indonesia. *Indonesia Journal of Biomedical Science (IJBS)* 2023, 17(1), 262–268. <https://doi.org/10.15562/ijbs.v17i1.495>
- Muteeb, G. (2023). Network meta-analysis of antibiotic resistance patterns in gram-negative bacterial infections: a comparative study of carbapenems, fluoroquinolones, and aminoglycosides. *Frontiers in Microbiology*, 14. <https://doi.org/10.3389/fmicb.2023.1304011>
- Naghavi, M., Vollset, S. E., Ikuta, K. S., Swetschinski, L. R., Gray, A. P., Wool, E. E., Robles Aguilar, G., Mestrovic, T., Smith, G., Han, C., Hsu, R. L., Chalek, J., Araki, D. T., Chung, E., Raggi, C., Gershberg Hayoon, A., Davis Weaver, N., Lindstedt, P. A., Smith, A. E., ... Murray, C. J. L. (2024). Global burden of bacterial antimicrobial resistance 1990–2021: a systematic analysis with forecasts to 2050. *The Lancet*, 404(10459), 1199–1226. [https://doi.org/10.1016/S0140-6736\(24\)01867-1](https://doi.org/10.1016/S0140-6736(24)01867-1)
- Nates, J. L., Pène, F., Darmon, M., Mokart, D., Castro, P., David, S., Pova, P., Russell, L., Nielsen, N. D., Gorecki, G. P., Gradel, K. O., Azoulay, E., & Bauer, P. R. (2024). Septic shock in the immunocompromised cancer patient: a narrative review. *Critical Care*, 28(1). <https://doi.org/10.1186/s13054-024-05073-0>
- Navarra, A., Cicalini, S., D'Arezzo, S., Pica, F., Selleri, M., Nisii, C., Venditti, C., Cannas, A., Mazzearelli, A., Vulcano, A., Carrara, S., Vincenti, D., Bartolini, B., Giacomini, P., Bocci, M. G., & Fontana, C. (2025). Vancomycin-Resistant Enterococci: Screening Efficacy and the Risk of Bloodstream Infections in a Specialized Healthcare Setting. *Antibiotics*, 14(3). <https://doi.org/10.3390/antibiotics14030304>
- Nawarat, S., Jinhee, Y., M, H. C., R, W. J., W, S. J., M, W. D., Paul, K., J, C. B., & P, S. H. (2021). Conservation of Resistance-Nodulation-Cell Division Efflux Pump-Mediated Antibiotic Resistance in *Burkholderia cepacia* Complex and *Burkholderia pseudomallei* Complex Species. *Antimicrobial Agents and Chemotherapy*, 65(9), 10.1128/aac.00920-21. <https://doi.org/10.1128/aac.00920-21>
- Ng, H. Y., Leung, W. K., & Cheung, K. S. (2023). Antibiotic Resistance, Susceptibility Testing and Stewardship in *Helicobacter pylori* Infection. Dalam *International Journal of Molecular Sciences* (Vol. 24, Nomor 14). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/ijms241411708>
- Nilsson, N. H., Bendix, M., Öhlund, L., Widerström, M., Werneke, U., & Maripuu, M. (2021). Increased risks of death and hospitalization in influenza/pneumonia and sepsis for individuals affected by psychotic disorders, bipolar disorders, and single manic episodes: A retrospective cross-sectional study. *Journal of Clinical Medicine*, 10(19). <https://doi.org/10.3390/jcm10194411>
- Novelli, M., & Bolla, J. M. (2024). RND Efflux Pump Induction: A Crucial Network Unveiling Adaptive Antibiotic Resistance Mechanisms of Gram-Negative Bacteria. *Antibiotics*, 13(6). <https://doi.org/10.3390/antibiotics13060501>

- Orekan, J., Barbé, B., Oeng, S., Ronat, J.-B., Letchford, J., Jacobs, J., Affolabi, D., & Hardy, L. (2021). Culture media for clinical bacteriology in low- and middle-income countries: challenges, best practices for preparation and recommendations for improved access. *Clinical Microbiology and Infection*, 27(10), 1400–1408. <https://doi.org/10.1016/j.cmi.2021.05.016>
- P, W. M., & S, L. J. (2020). The Clinical and Laboratory Standards Institute Subcommittee on Antimicrobial Susceptibility Testing: Background, Organization, Functions, and Processes. *Journal of Clinical Microbiology*, 58(3), 10.1128/jcm.01864-19. <https://doi.org/10.1128/jcm.01864-19>
- Piccioni, A., Baroni, S., Rozzi, G., Belvederi, F., Leggeri, S., Spagnuolo, F., Novelli, M., Pignataro, G., Candelli, M., Covino, M., Gasbarrini, A., & Franceschi, F. (2025). Evaluation of Presepsin for Early Diagnosis of Sepsis in the Emergency Department. *Journal of Clinical Medicine*, 14(7). <https://doi.org/10.3390/jcm14072480>
- Povilaitis, S. C., Chakraborty, A., Kirkpatrick, L. M., Downey, R. D., Hauger, S. B., & Eberlin, L. S. (2022). Identifying Clinically Relevant Bacteria Directly from Culture and Clinical Samples with a Handheld Mass Spectrometry Probe. *Clinical Chemistry*, 68(11), 1459–1470. <https://doi.org/10.1093/clinchem/hvac147>
- Putri, N. D., Dickson, B. F. R., Adrizain, R., Kartina, L., Baker, J., Sukarja, D., Cathleen, F., Husada, D., Utomo, M. T., Yuniati, T., Suginali, A. K., Harrison, M., Sharland, M., & Williams, P. C. M. (2025). Epidemiology of sepsis in hospitalised neonates in Indonesia: high burden of multidrug-resistant infections reveals poor coverage provided by recommended antibiotic regimens. *BMJ Global Health*, 10(4), e016272. <https://doi.org/10.1136/bmjgh-2024-016272>
- Ramatla, T., Mafokwane, T., Lekota, K., Monyama, M., Khasapane, G., Serage, N., Nkhebenyane, J., Bezuidenhout, C., & Thekiso, O. (2023). “One Health” perspective on prevalence of co-existing extended-spectrum β -lactamase (ESBL)-producing *Escherichia coli* and *Klebsiella pneumoniae*: a comprehensive systematic review and meta-analysis. *Annals of Clinical Microbiology and Antimicrobials*, 22(1), 88. <https://doi.org/10.1186/s12941-023-00638-3>
- Ramzan, M., Raza, A., Nisa, Z. un, Abdel-Massih, R. M., Al Bakain, R., Cabrerizo, F. M., Dela Cruz, T. E., Aziz, R. K., & Musharraf, S. G. (2024). Detection of antimicrobial resistance (AMR) and antimicrobial susceptibility testing (AST) using advanced spectroscopic techniques: A review. *TrAC Trends in Analytical Chemistry*, 172, 117562. <https://doi.org/10.1016/j.trac.2024.117562>
- Reyes, J., Komarow, L., Chen, L., Ge, L., Hanson, B. M., Cober, E., Herc, E., Alenazi, T., Kaye, K. S., Garcia-Diaz, J., Li, L., Kanj, S. S., Liu, Z., Oñate, J. M., Salata, R. A., Marimuthu, K., Gao, H., Zong, Z., Valderrama-Beltrán, S. L., ... Satlin, M. (2023). Global epidemiology and clinical outcomes of carbapenem-resistant *Pseudomonas aeruginosa* and associated carbapenemases (POP): a prospective cohort study. *The Lancet Microbe*, 4(3), e159–e170. [https://doi.org/10.1016/S2666-5247\(22\)00329-9](https://doi.org/10.1016/S2666-5247(22)00329-9)
- Rezaei, S., Tajbakhsh, S., Naeimi, B., & Yousefi, F. (2024). Investigation of *gyrA* and *parC* mutations and the prevalence of plasmid-mediated quinolone resistance genes in *Klebsiella pneumoniae* clinical isolates. *BMC Microbiology*, 24(1), 265. <https://doi.org/10.1186/s12866-024-03383-5>
- Rhee, C., Chen, T., Kadri, S. S., Lawandi, A., Yek, C., Walker, M., Warner, S., Fram, D., Chen, H.-C., Shappell, C. N., DelloStritto, L., Klompas, M., & Program, C. D. C. P. E. (2024). Trends in Empiric Broad-Spectrum Antibiotic Use for Suspected Community-Onset Sepsis in US Hospitals. *JAMA Network Open*, 7(6), e2418923–e2418923. <https://doi.org/10.1001/jamanetworkopen.2024.18923>
- Rhee, C., Kadri, S. S., Dekker, J. P., Danner, R. L., Chen, H.-C., Fram, D., Zhang, F., Wang, R., Klompas, M., & Program, for the C. D. C. P. E. (2020). Prevalence of Antibiotic-Resistant Pathogens in Culture-Proven Sepsis and Outcomes Associated With Inadequate and Broad-Spectrum Empiric Antibiotic Use. *JAMA Network Open*, 3(4), e202899–e202899. <https://doi.org/10.1001/jamanetworkopen.2020.2899>
- Rüddel, H., Thomas-Rüddel, D. O., Reinhart, K., Bach, F., Gerlach, H., Lindner, M., Marshall, J. C., Simon, P., Weiss, M., Bloos, F., Schwarzkopf, D., Marx, G., Schindler, A., Schürholz, T., Schlegel-Höfner, H.,

- Lehmann, G., Sander, A., Friese, S., Scholz, C., ... group, the M. study. (2022). Adverse effects of delayed antimicrobial treatment and surgical source control in adults with sepsis: results of a planned secondary analysis of a cluster-randomized controlled trial. *Critical Care*, 26(1), 51. <https://doi.org/10.1186/s13054-022-03901-9>
- Saenhom, N., Kansan, R., Chopjitt, P., Boueroy, P., Hatrongjit, R., & Kerdsin, A. (2022). Evaluation of in-house cefoxitin screening broth to determine methicillin-resistant staphylococci. *Heliyon*, 8(2), e08950. <https://doi.org/10.1016/j.heliyon.2022.e08950>
- Said, K. B., Alghasab, N. S., Alharbi, M. S. M., Alsolami, A., Saleem, M., Alhallabi, S. A., Alafnan, S. F., Khaja, A. S. S., & Taha, T. E. (2023). Molecular and Source-Specific Profiling of Hospital Staphylococcus aureus Reveal Dominance of Skin Infection and Age-Specific Selections in Pediatrics and Geriatrics. *Microorganisms*, 11(1). <https://doi.org/10.3390/microorganisms11010149>
- Salsabila, K., Toha, N. M. A., Rundjan, L., Pattanittum, P., Sirikarn, P., Rohsiswatmo, R., Wandita, S., Hakimi, M., Lumbiganon, P., Green, S., & Turner, T. (2022). Early-onset neonatal sepsis and antibiotic use in Indonesia: a descriptive, cross-sectional study. *BMC Public Health*, 22(1), 992. <https://doi.org/10.1186/s12889-022-13343-1>
- S.B., J., Baskar, S., Fareed, M., Kumar, K. S., Mostafa, O. E., Bawazir, A., & AlQumaizi, K. I. (2025). Role of hematological parameters in the early detection of clinical cases for septicemia among neonates: A hospital-based study from Chennai, India. *PLOS ONE*, 20(3), e0318802. <https://doi.org/10.1371/journal.pone.0318802>
- Serra, N., Di Carlo, P., Andriolo, M., Mazzola, G., Diprima, E., Rea, T., Anastasia, A., Fasciana, T. M. A., Pipitò, L., Capra, G., Giammanco, A., & Cascio, A. (2023). Staphylococcus aureus and Coagulase-Negative Staphylococci from Bloodstream Infections: Frequency of Occurrence and Antimicrobial Resistance, 2018–2021. *Life*, 13(6). <https://doi.org/10.3390/life13061356>
- Setyoatmiko, I., Fatmawati, N. N. D., & Tarini, N. M. A. (2023). Antibigram of Acinetobacter baumannii isolated from Intensive Care Unit at Prof. dr. I.G.N.G. Ngoerah Hospital in 2020-2022. *Intisari Sains Medis*, 14(3), 1023–1027. <https://doi.org/10.15562/ism.v14i3.1831>
- Shi, H., Chen, X., Chen, L., Zhu, B., Yan, W., & Ma, X. (2023). Burkholderia cepacia infection in children without cystic fibrosis: a clinical analysis of 50 cases. *Frontiers in Pediatrics*, Volume 11-2023. <https://doi.org/10.3389/fped.2023.1115877>
- Singh, G., Loho, T., Yulianti, M., Aditjaningsih, D., Zakiah, L. F., Masse, S. F., & Triono, M. R. (2024). Factors associated with antibiotic resistance and survival analysis of severe pneumonia patients infected with Klebsiella pneumoniae, Acinetobacter baumannii, and Pseudomonas aeruginosa: A retrospective cohort study in Jakarta, Indonesia. *SAGE open medicine*, 12, 20503121241264096. <https://doi.org/10.1177/20503121241264096>
- Stenberg, H., Li, X., Pello-Esso, W., Larsson Lönn, S., Thønnings, S., Khoshnood, A., Knudsen, J. D., Sundquist, K., & Jansåker, F. (2023). The effects of sociodemographic factors and comorbidities on sepsis: A nationwide Swedish cohort study. *Preventive Medicine Reports*, 35, 102326. <https://doi.org/10.1016/j.pmedr.2023.102326>
- Strich, J. R., Heil, E. L., & Masur, H. (2020). Considerations for Empiric Antimicrobial Therapy in Sepsis and Septic Shock in an Era of Antimicrobial Resistance. *The Journal of Infectious Diseases*, 222(Supplement_2), S119–S131. <https://doi.org/10.1093/infdis/jiaa221>
- Sudha, N., Jakka, R., Suneetha, N., Mahalakshmi, D. B., Yamini, D., & Cheekatla, D. (2024). Study of Antibiotic Susceptibility of Coagulase-Negative Staphylococci Isolated from Various Specimens. *European Journal of Cardiovascular Medicine*. <https://www.healthcare-bulletin.co.uk/>
- Suhartono, S., Mahdani, W., & Muzayanna, N. N. (2023). Prevalence of Burkholderia cepacia recovered from clinical specimens in the Zainoel Abidin general hospital, Banda Aceh, Indonesia. *Iranian journal of microbiology*, 15(1), 38–44. <https://doi.org/10.18502/ijm.v15i1.11916>

- Sulis, G., Daniels, B., Kwan, A., Gandra, S., Daftary, A., Das, J., & Pai, M. (2020). Antibiotic overuse in the primary health care setting: a secondary data analysis of standardised patient studies from India, China and Kenya. *BMJ Global Health*, 5(9), e003393. <https://doi.org/10.1136/bmjgh-2020-003393>
- Tamma, P. D., Heil, E. L., Justo, J. A., Mathers, A. J., Satlin, M. J., & Bonomo, R. A. (2024). Infectious Diseases Society of America 2024 Guidance on the Treatment of Antimicrobial-Resistant Gram-Negative Infections. *Clinical Infectious Diseases*. <https://doi.org/10.1093/cid/ciae403>
- Tebano, G., Zaghi, I., Cricca, M., & Cristini, F. (2024). Antibiotic Treatment of Infections Caused by AmpC-Producing Enterobacterales. *Pharmacy*, 12(5), 142. <https://doi.org/10.3390/pharmacy12050142>
- Teng, J., Imani, S., Zhou, A., Zhao, Y., Du, L., Deng, S., Li, J., & Wang, Q. (2023). Combatting resistance: Understanding multi-drug resistant pathogens in intensive care units. *Biomedicine & Pharmacotherapy*, 167, 115564. <https://doi.org/10.1016/j.biopha.2023.115564>
- Tesini, B. L., & Dumyati, G. (2023). Health Care-Associated Infections in Older Adults: Epidemiology and Prevention. *Infectious Disease Clinics of North America*, 37(1), 65–86. <https://doi.org/10.1016/j.idc.2022.11.004>
- Thomas, R., Wang, W., & Su, D. M. (2020). Contributions of Age-Related Thymic Involution to Immunosenescence and Inflammaging. *Immunity and Ageing*, 17(1). <https://doi.org/10.1186/s12979-020-0173-8>
- Todi, S., Mehta, Y., Zirpe, K., Dixit, S., Kulkarni, A. P., Gurav, S., Chandankhede, S. R., Govil, D., Saha, A., Saha, A. K., Arunachala, S., Borawake, K., Bhosale, S., Ray, S., Gupta, R., Kuragayala, S. D., Samavedam, S., Shah, M., Hegde, A., ... Registry, O. contributors to S. (2024). A multicentre prospective registry of one thousand sepsis patients admitted in Indian ICUs: (SEPSIS INDIA) study. *Critical Care*, 28(1), 375. <https://doi.org/10.1186/s13054-024-05176-8>
- Touaitia, R., Mairi, A., Ibrahim, N. A., Basher, N. S., Idres, T., & Touati, A. (2025). Staphylococcus aureus: A Review of the Pathogenesis and Virulence Mechanisms. *Antibiotics*, 14(5). <https://doi.org/10.3390/antibiotics14050470>
- Ullah, K., Bhutto, S., Riaz, U., Mazhar, N., Inam, H., Saeed, H., Saddique, S., & Khalid, A. (2024). Aminoglycoside Resistance in Klebsiella Pneumoniae from Respiratory Specimens: A Phenotypic and Genotypic Analysis. *Journal of Health and Rehabilitation Research*, 4, 2791–156. <https://doi.org/10.61919/jhrr.v4i3.1392>
- van Belkum, A., Burnham, C.-A. D., Rossen, J. W. A., Mallard, F., Rochas, O., & Dunne, W. M. (2020). Innovative and rapid antimicrobial susceptibility testing systems. *Nature Reviews Microbiology*, 18(5), 299–311. <https://doi.org/10.1038/s41579-020-0327-x>
- Vincent, J.-L. (2022). Emerging paradigms in sepsis. *eBioMedicine*, 86. <https://doi.org/10.1016/j.ebiom.2022.104398>
- Weinberger, J., Rhee, C., & Klompas, M. (2020). A Critical Analysis of the Literature on Time-to-Antibiotics in Suspected Sepsis. *The Journal of Infectious Diseases*, 222(Supplement_2), S110–S118. <https://doi.org/10.1093/infdis/jiaa146>
- Weis, C. V., Jutzeler, C. R., & Borgwardt, K. (2020). Machine learning for microbial identification and antimicrobial susceptibility testing on MALDI-TOF mass spectra: a systematic review. *Clinical Microbiology and Infection*, 26(10), 1310–1317. <https://doi.org/10.1016/j.cmi.2020.03.014>
- Wenzler, E., Maximos, M., Asempa, T. E., Biehle, L., Schuetz, A. N., & Hirsch, E. B. (2023). Antimicrobial susceptibility testing: An updated primer for clinicians in the era of antimicrobial resistance: Insights from the Society of Infectious Diseases Pharmacists. *Pharmacotherapy: The Journal of Human Pharmacology and Drug Therapy*, 43(4), 264–278. <https://doi.org/https://doi.org/10.1002/phar.2781>
- WHO. (2022). *The WHO AWaRe (Access, Watch, Reserve) antibiotic book: Web Annex. Infographics*. <https://www.who.int/publications/i/item/9789240062382>
- Wicaksono, A., Adisasmita, A. C., & Harijanto, E. (2022). Frekuensi dan Mortalitas Pasien Sepsis dan Syok Septik di ICU Rumah Sakit Swasta Tipe B, di Tangerang Selatan. *Jurnal Epidemiologi Kesehatan Indonesia*, 6(1). <https://doi.org/10.7454/epidkes.v6i1.6031>

- Xiao, S., Liang, X., Han, L., & Zhao, S. (2024). Incidence, antimicrobial resistance and mortality of *Pseudomonas aeruginosa* bloodstream infections among hospitalized patients in China: a retrospective observational multicenter cohort study from 2017 to 2021. *Frontiers in Public Health*, Volume 11-2023. <https://doi.org/10.3389/fpubh.2023.1294141>
- Xu, W., Wong, G., Hwang, Y. Y., & Larbi, A. (2020). The untwining of immunosenescence and aging. *Seminars in Immunopathology*. <https://doi.org/10.1007/s00281-020-00824-x>/Published
- Yadav, S. K., Bhujel, R., Mishra, S. K., Sharma, S., & Sherchand, J. B. (2020). Emergence of multidrug-resistant non-fermentative gram negative bacterial infection in hospitalized patients in a tertiary care center of Nepal. *BMC Research Notes*, 13(1), 319. <https://doi.org/10.1186/s13104-020-05163-6>
- Ye, L., Feng, M., Lin, Q., Li, F., & Lyu, J. (2023). Analysis of pathogenic factors on the death rate of sepsis patients. *PLOS ONE*, 18(12), e0287254-. <https://doi.org/10.1371/journal.pone.0287254>
- Yibing, M., Mattia, P., Bimal, J., Hundtofte, M. V., & Luca, G. (2024). The intrinsic macrolide resistome of *Escherichia coli*. *Antimicrobial Agents and Chemotherapy*, 68(8), e00452-24. <https://doi.org/10.1128/aac.00452-24>
- Zerbato, V., Pol, R., Sanson, G., Suru, D., Pin, E., Tabolli, V., Monticelli, J., Busetti, M., Dan-Alexandru, T., Croce, S., Luzzati, R., & Di Bella, S. (2024). Risk Factors for 30-Day Mortality in Nosocomial Enterococcal Bloodstream Infections. *Antibiotics*, 13, 601. <https://doi.org/10.3390/antibiotics13070601>