

DAFTAR PUSTAKA

- Ak, O., Batirel, A., Ozer, S. and Çolakoğlu, S. (2011) 'Nosocomial infections and risk factors in the intensive care unit of a teaching and research hospital: A prospective cohort study', *Med. Sci. Monit.*, 17(5):29–34. doi: 10.12659/MSM.881750.
- Akdoğan, D. and Güzel, M. (2020) 'Comparative Antimicrobial Susceptibility Profiles of Uropathogenic Extended- Spectrum β -Lactamase Producing Strains of', *Ankara Res. Hosp.*, (March). doi: 10.20944/preprints202003.0095.v1.
- Al-Hasan, M. N., Lahr, B. D., Eckel-Passow, J. E. and Baddour, L. M. (2009) 'Antimicrobial resistance trends of Escherichia coli bloodstream isolates: A population-based study, 1998-2007', *J. Antimicrob. Chemother.*, 64(1):169–174. doi: 10.1093/jac/dkp162.
- Al-Otaibi, F. E., Bukhari, E. E., Badr, M. and Alrabiaa, A. A. (2016) 'Prevalence and risk factors of Gram-negative bacilli causing blood stream infection in patients with malignancy', *Saudi Med. J.*, 37(9):979–984. doi: 10.15537/smj.2016.9.14211.
- Albrecht, S. J., Fishman, N. O., Kitchen, J., Nachamkin, I., Bilker, W. B., Hoegg, C., et al. (2006) 'Reemergence of gram-negative health care-associated bloodstream infections', *Arch. Intern. Med.*, 166(12):1289–1294. doi: 10.1001/archinte.166.12.1289.
- Aliyu, S., Cohen, B., Liu, J. and Larson, E. (2018) 'Prevalence and risk factors for bloodstream infection present on hospital admission', *J. Infect. Prev.*, 19(1):37–42. doi: 10.1177/1757177417720998.
- Alpern, E. R. (2008) 'In: Pediatric Emergency Medicine', *Elsevier Inc*, (Bacteremia):530–534.
- Apisarnthanarak, A., Danchaivijitr, S., Bailey, T. C. and Fraser, V. J. (2006) 'Inappropriate Antibiotic Use in a Tertiary Care Center in Thailand: An Incidence Study and Review of Experience in Thailand', *Infect.Ecol. Epidemiol*, 27(4):416–420. doi: 10.1086/503348.
- Anonim, 2019, PPAB RSUP DR. Sardjito. Pedoman Penggunaan Antibiotik RSUP Dr. Sardjito. 2019
- Ataee, R. A., Mehrabi-Tavana, A., Hosseini, S. M. J., Moridi, K. and Zadegan, M. G. (2012) 'A method for antibiotic susceptibility testing: Applicable and accurate', *Jundishapur J. Microbiol.*, 5(1):341–345. doi: 10.5812/kowsar.20083645.2374.
- Bai, Y., Zheng, Z., Du, M., Yao, H., Liu, Y. and Suo, J. (2019) 'Bloodstream Infection and Its Clinical Characteristics and Relevant Factors Associated with Interventional Therapy in a Large Tertiary Hospital: A Six Years Surveillance Study', *BioMed Research International*, 2019. doi: 10.1155/2019/8190475.
- Baldwin, C. D., Howe, G. B., Sampath, R., Blyn, L. B., Matthews, H., Harpin, V., et al. (2009) 'Usefulness of multilocus polymerase chain reaction followed by electrospray ionization mass spectrometry to identify a diverse panel of

- bacterial isolates', *Diagn. Microbiol. Infect. Dis.* Elsevier B.V., 63(4):403–408. doi: 10.1016/j.diagmicrobio.2008.12.012.
- Bhattacharya, S. (2013) 'Early diagnosis of resistant pathogens: How can it improve antimicrobial treatment?', *Virulence*, 4(2):172–184. doi: 10.4161/viru.23326.
- Reygaert, W. (2018) 'An overview of the antimicrobial resistance mechanisms of bacteria', *AIMS Microbiol.*, 4(3):482–501. doi: 10.3934/microbiol.2018.3.482.
- Carlos José Suárez, Karen Lolans, M. V. V. and J. P. Q. (2005) 'Mechanisms of resistance to β -lactams in some common Gram-negative bacteria causing nosocomial infections Carlos', *Expert Rev. Anti Infect. Ther.*, 3(6):915–922.
- Carmeli, Y., Troillet, N., Eliopoulos, G. M. and Samore, M. H. (1999) 'Emergence of antibiotic-resistant *Pseudomonas aeruginosa*: Comparison of risks associated with different antipseudomonal agents', *Antimicrob. Agents Chemother.*, 43(6):1379–1382. doi: 10.1128/aac.43.6.1379.
- CDC - Center for Disease Control and Prevention (2016) 'Bloodstream Infection Event (Central Line-Associated Bloodstream Infection and Non-central line-associated Bloodstream Infection)', *Published on-line: <http://www.cdc.gov/nhsn/>*, (January):1–32.
- Centers for Disease Control and Prevention (2015) 'National Center for Health Statistics. 2015. Deaths: final data for 2015.', *Natl. Vital Stat. Reports*, 6(6). doi: 10.1136/vr.h753.
- Chan, L., Nor, M. B. M. and Arini, N. (2017) 'Guide to antimicrobial Therapy in the Adult ICU', *Malaysian Soc. Intens. Care*, p. 92. Available at: www.msic.org.my.
- Chandrasekaran, S., Abbott, A., Campeau, S., Zimmer, B. L., Weinstein, M. and Thrupp, L. (2018) 'Direct-from-blood-culture disk diffusion to determine antimicrobial susceptibility of gram-negative bacteria: Preliminary report from the clinical and Laboratory Standards Institute Methods Development and Standardization Working Group', *J. Clin. Microbiol.*, 56(3):1–10. doi: 10.1128/JCM.01678-17.
- Cohen, B., Choi, Y. J., Hyman, S., Furuya, E. Y., Neidell, M. and Larson, E. (2013) 'Gender differences in risk of bloodstream and surgical site infections', *J. Gen. Intern. Med.*, 28(10):1318–1325. doi: 10.1007/s11606-013-2421-5.
- Connor, M. N. O., Gallagher, P. and Mahony, D. O. (2012) 'Inappropriate Prescribing Criteria, Detection and Prevention', *Drugs Aging*, 29(6):437–452.
- Coorevits, L., Boelens, J. and Claeys, G. (2015) 'Direct susceptibility testing by disk diffusion on clinical samples: a rapid and accurate tool for antibiotic stewardship', *Eur. J. Clin. Microbiol. Infect. Dis.*, 34(6):1207–1212. doi: 10.1007/s10096-015-2349-2.
- Crump, J. A., Sjölund-Karlsson, M., Gordon, M. A. and Parry, C. M. (2015) 'Epidemiology, clinical presentation, laboratory diagnosis, antimicrobial resistance, and antimicrobial management of invasive *Salmonella* infections', *Clin. Microbiol. Rev.*, 28(4):901–937. doi:

10.1128/CMR.00002-15.

- Cusini, A., Rampini, S. K., Bansal, V., Ledergerber, B., Kuster, S. P., Ruef, C. and Weber, R. (2010) 'Different patterns of inappropriate antimicrobial use in surgical and medical units at a tertiary care hospital in Switzerland: A prevalence survey', *PLoS ONE*, 5(11):1–8. doi: 10.1371/journal.pone.0014011.
- Cuypers, W. L., Jacobs, J., Wong, V., Klemm, E. J., Deborggraeve, S. and van Puyvelde, S. (2018) 'Fluoroquinolone resistance in Salmonella: Insights by wholegenome sequencing', *Microb.Genomics*, 4(7). doi: 10.1099/mgen.0.000195.
- Dahlan, M. S. (2010) '*Besar Sampel dan cara Pengambilan Sampel dalam Penelitian Kedokteran dan Kesehatan*', *Seri Evidence Based Medicine* 2, 3, p. 232.
- Davey, P. G. and Marwick, C. (2008) 'Appropriate vs. inappropriate antimicrobial therapy', *Clin. Microbiol. Infect.*, 14(SUPPL. 3):15–21. doi: 10.1111/j.1469-0691.2008.01959.x.
- Davies, S. C. (2018) 'Reducing inappropriate prescribing of antibiotics in english primary care: Evidence and outlook', *J. Antimicrob. Chemother.*, 73(4):833–834. doi: 10.1093/jac/dkx535.
- Diekema, D. J., Beekmann, S. E., Chapin, K. C., Morel, K. A., Munson, E. and Doern, G. V. (2003) 'Epidemiology and outcome of nosocomial and community-onset bloodstream infection', *J. Clin. Microbiol.*, 41(8):3655–3660. doi: 10.1128/JCM.41.8.3655-3660.2003.
- Drusano, G. L., Preston, S. L., Fowler, C., Corrado, M., Weisinger, B. and Kahn, J. (2004) 'Relationship between fluoroquinolone area under the curve:minimum inhibitory concentration ratio and the probability of eradication of the infecting pathogen, in patients with nosocomial pneumonia', *J. Infect. Dis.*, 189(9):1590–1597. doi: 10.1086/383320.
- van Duin, D. (2017) 'Carbapenem-resistant Enterobacteriaceae: What we know and what we need to know', *Virulence*. 8(4):379–382. doi: 10.1080/21505594.2017.1306621.
- Erdem, I., Kucukercan, M. and Ceran, N. (2003) 'In vitro activity of combination therapy with cefepime, piperacillin-tazobactam, or meropenem with ciprofloxacin against multidrug-resistant *Pseudomonas aeruginosa* strains', *Chemotherapy*, 49(6):294–297. doi: 10.1159/000074529.
- Everett, M. J., Jin, Y. F., Ricci, V. and Piddock, L. J. V. (1996) 'Contributions of individual mechanisms to fluoroquinolone resistance in 36 *Escherichia coli* strains isolated from humans and animals', *Antimicrob. Agents Chemother.*, 40(10):2380–2386. doi: 10.1128/aac.40.10.2380.
- Forrest, A., Nix, D. E., Ballou, C. H., Goss, T. F., Birmingham, M. C. and Schentag, J. J. (1993) 'Pharmacodynamics of intravenous ciprofloxacin in seriously ill patients', *Antimicrob. Agents Chemother.*, 37(5):1073–1081. doi: 10.1128/AAC.37.5.1073.
- Garcia, R. A., Spitzer, E. D., Beaudry, J., Beck, C., Diblasi, R., Gilleeny-Blabac, et al (2015) 'Multidisciplinary team review of best practices for collection and handling of blood cultures to determine effective interventions for

- increasing the yield of true-positive bacteremias, reducing contamination, and eliminating false-positive central line-a', *Am. J. Infect. Control.* Elsevier Inc, 43(11):1222–1237. doi: 10.1016/j.ajic.2015.06.030.
- Garnacho-Montero, J., Garcia-Garmendia, J. L., Barrero-Almodovar, A., Jimenez-Jimenez, F. J., Perez-Paredes, C. and Ortiz-Leyba, C. (2003) 'Impact of adequate empirical antibiotic therapy on the outcome of patients admitted to the intensive care unit with sepsis', *Crit. Care Med.*, 31(12):2742–2751. doi: 10.1097/01.CCM.0000098031.24329.10.
- Gashe, F., Mulisa, E., Mekonnen, M. and Zeleke, G. (2018) 'Antimicrobial Resistance Profile of Different Clinical Isolates against Third-Generation Cephalosporins', *J. Pharm.*, 2018:1–7. doi: 10.1155/2018/5070742.
- Genevieve Cadieux MSc, Robyn Tamblyn PhD, Dale Dauphinee MD, M. L. M. (2007) 'Predictors of inappropriate antibiotic prescribing among primary care physicians', *Canadian. Med. Assoc.J.*, 177(8):877–883.
- Giamarellou, H. and Kanellakopoulou, K. (2008) 'Current Therapies for *Pseudomonas Aeruginosa*', *Crit. Care Clin.*, 24(2):261–278. doi: 10.1016/j.ccc.2007.12.004.
- Goto, M. and Al-Hasan, M. N. (2013) 'Overall burden of bloodstream infection and nosocomial bloodstream infection in North America and Europe', *Clin. Microbiol. Infect.*, 19(6):501–509. doi: 10.1111/1469-0691.12195.
- Hudzicki, J. (2012) 'Kirby-Bauer Disk Diffusion Susceptibility Test Protocol Author Information', *American Soc. Microbiol.*, (December 2009):1–13. Available at: <https://www.asm.org/Protocols/Kirby-Bauer-Disk-Diffusion-Susceptibility-Test-Pro>.
- Ibrahim, E. H., Sherman, G., Ward, S., Fraser, V. J. and Kollef, M. H. (2000) 'The Influence of Inadequate Antimicrobial Treatment of Bloodstream Infections on Patient Outcomes in the ICU Setting *', *CHEST*, 118(1):146–155. doi: 10.1378/chest.118.1.146.
- Jorgensen, J. H. and Ferraro, M. J. (2009) 'Antimicrobial susceptibility testing: A review of general principles and contemporary practices', *Clin. Infect. Dis.*, 49(11):1749–1755. doi: 10.1086/647952.
- Jorgensen, J. H., Maher, L. A. and Howell, A. W. (1991) 'Activity of meropenem against antibiotic-resistant or infrequently encountered gram-negative bacilli', *Antimicrob. Agents Chemother.*, 35(11):2410–2414. doi: 10.1128/AAC.35.11.2410.
- Kang, C. I., Chung, D. R., Ko, K. S., Peck, K. R., Song, J. H. and Korean Network for Study of Infectious Diseases (2012) 'Risk factors for infection and treatment outcome of extended-spectrum β -lactamase-producing *Escherichia coli* and *Klebsiella pneumoniae* bacteremia in patients with hematologic malignancy.', *Annals of hematology*, 91(1):115–121. doi: 10.1007/s00277-011-1247-7.
- Kim, E. S., Chong, Y. P., Park, S. J., Kim, M. N., Kim, S. H. *et al* (2017) 'Detection and genetic features of MCR-1-producing plasmid in human *Escherichia coli* infection in South Korea', *Diag.Microbiol.Infect. Dis.*, 89(2):158–160. doi: 10.1016/j.diagmicrobio.2017.06.020.
- Kola, A., Maciejewski, O., Sohr, D., Ziesing, S. and Gastmeier, P. (2007) 'Clinical

- impact of infections caused by ESBL-producing *E. coli*', *Scandinavian J. Infect. Dis.*, 39(December 2006):975–982. doi: 10.1080/00365540701466140.
- Kollef, M. H. (2008) 'Broad-Spectrum Antimicrobials and the Treatment of Serious Bacterial Infections : Getting It Right Up Front', *Infect. Dis. Soc. Am.*, 63(11):3–14. doi: 10.1086/590061.
- Kontula, K. S. K., Skogberg, K., Ollgren, J., Järvinen, A. and Lyytikäinen, O. (2018) 'The outcome and timing of death of 17,767 nosocomial bloodstream infections in acute care hospitals in Finland during 1999–2014', *Eur. J. Clin. Microbiol. Infect. Dis.* 37(5):945–952. doi: 10.1007/s10096-018-3211-0.
- Kumar, Anand, Roberts, D., Wood, K. E., Light, B., Parrillo, J. E., Sharma, S., Suppes, R., Feinstein, D., *et al*(2006) 'Duration of hypotension before initiation of effective antimicrobial therapy is the critical determinant of survival in human septic shock*', *Crit. Care Med.*, 34(6):1589–1596. doi: 10.1097/01.CCM.0000217961.75225.E9.
- Kumar, M., Shergill, S. P. S., Tandel, K., Sahai, K. and Gupta, R. M. (2019) 'Direct antimicrobial susceptibility testing from positive blood culture bottles in laboratories lacking automated antimicrobial susceptibility testing systems', *Med. J. Armed Forces India. Elsevier*, 75(4):450–457. doi: 10.1016/j.mjafi.2018.08.010.
- Kutob, L. F., Justo, J. A., Bookstaver, P. B., Kohn, J., Albrecht, H. and Al-Hasan, M. N. (2016) 'Effectiveness of oral antibiotics for definitive therapy of Gram-negative bloodstream infections', *Int. J. Antimicrob. Agents. Elsevier B.V.*, 48(5):498–503. doi: 10.1016/j.ijantimicag.2016.07.013.
- Lalitha, M. K. (2017) *Manual on Antimicrobial Susceptibility Testing*. doi: 10.1002/9780470752579.ch15.
- Lamy, B., Dargère, S., Arendrup, M. C., Parienti, J. J. and Tattevin, P. (2016) 'How to optimize the use of blood cultures for the diagnosis of bloodstream infections? A state-of-the art', *Front. Microbiol.*, (7):1–13. doi: 10.3389/fmicb.2016.00697.
- Lee, C. R., Lee, J. H., Park, M., Park, K. S., Bae, I. K., *et al*(2017) 'Biology of *Acinetobacter baumannii*: Pathogenesis, antibiotic resistance mechanisms, and prospective treatment options', *Front.Cell. Infect. Microbiol.*, (7). doi: 10.3389/fcimb.2017.00055.
- Li, X. Z., Plésiat, P. and Nikaido, H. (2015) 'The challenge of efflux-mediated antibiotic resistance in Gram-negative bacteria', *Clin. Microbiol.*, 28(2):337–418. doi: 10.1128/CMR.00117-14.
- Liang, S. Y. and Kumar, A. (2015) 'Empiric Antimicrobial Therapy in Severe Sepsis and Septic Shock: Optimizing Pathogen Clearance', *Current Inf.Dis.Rep.*, 17(7). doi: 10.1007/s11908-015-0493-6.
- Livermore, M David (2012) 'Current Epidemiology and Growing Resistance of Gram- Negative Pathogens', *Korean J. Intern Med.*, 27:128–142. doi: <http://dx.doi.org/10.3904/kjim.2012.27.2.128> ORIGINAL.
- Lin, M.-F. (2014) 'Antimicrobial resistance in *Acinetobacter baumannii* : From bench to bedside', *World J.Clin. Cases*, 2(12):787. doi: 10.12998/wjcc.v2.i12.787.

- Linszenmeyer, K., Gupta, K., Strymish, J. M., Dhanani, M., Brecher, S. M. and Breu, A. C. (2016) 'Culture if spikes? Indications and yield of blood cultures in hospitalized medical patients', *J. Hosp. Med.*, 11(5):336–340. doi: 10.1002/jhm.2541.
- Lodise, T. P., Patel, N., Kwa, A., Graves, J., Furuno, J. P., Graffunder, E., *et al*(2007) 'Predictors of 30-day mortality among patients with Pseudomonas aeruginosa bloodstream infections: Impact of delayed appropriate antibiotic selection', *Antimicrob. Agents Chemother.*, 51(10):3510–3515. doi: 10.1128/AAC.00338-07.
- Lutgring, J. D. (2019) 'Carbapenem-resistant Enterobacteriaceae: An emerging bacterial threat', *Semin. Diagn. Pathol.* Elsevier Inc., 36(3):182–186. doi: 10.1053/j.semdp.2019.04.011.
- Magiorakos, A., Srinivasan, A., Carey, R. B., Carmeli, Y., Falagas, M. E. and Giske, C. G. (2011) 'Bacteria : an International Expert Proposal for Interim Standard Definitions for Acquired Resistance', *Clin. Microbiol. Infect.*, 18:268–281.
- Marshall, W. F. and Blair, J. E. (1999) 'The cephalosporins', *Mayo Clinic Proceedings*, 74(2):187–195. doi: 10.4065/74.2.187.
- McNamara, J. F., Righi, E., Wright, H., Hartel, G. F., Harris, P. N. A. and Paterson, D. L. (2018) 'Long-term morbidity and mortality following bloodstream infection: A systematic literature review', *J.Infect.*. Elsevier Ltd, 77(1):1–8. doi: 10.1016/j.jinf.2018.03.005.
- Menon, V., Lahanas, S., Janto, C. and Lee, A. (2016) 'Utility of direct susceptibility on blood cultures: Is it still worthwhile?', *J.Med.Microbiol.*, 65(6):501–509. doi: 10.1099/jmm.0.000259.
- Mermel, L. A., Allon, M., Bouza, E., Craven, D. E., Flynn, P., O'Grady, N. P.,(2009) 'Clinical practice guidelines for the diagnosis and management of intravascular catheter-related infection: 2009 update by the infectious diseases society of America', *Clin. Infect. Dis.*, 49(1):1–45. doi: 10.1086/599376.
- Mitchell, E., Pearce, M. S. and Roberts, A. (2019) 'Gram-negative bloodstream infections and sepsis: Risk factors, screening tools and surveillance', *Br. Med. Bull.*, 132(1):5–15. doi: 10.1093/bmb/ldz033.
- Mohammadi-Mehr, M. and Feizabadi, M. M. (2011) 'Antimicrobial resistance pattern of gram-negative bacilli isolated from patients at ICUs of Army hospitals in Iran', *Iranian J. Microbiol.*, 3(1):26–30.
- Munford, R. S. (2006) 'Severe sepsis and septic shock: The role of gram-negative bacteremia', *Ann.Rev.Pathol.*, 1:467–496. doi: 10.1146/annurev.pathol.1.110304.100200.
- Pachori, P., Gothwal, R. and Gandhi, P. (2019) 'Emergence of antibiotic resistance Pseudomonas aeruginosa in intensive care unit; a critical review', *Genes Dis.* Elsevier Ltd, 6(2):109–119. doi: 10.1016/j.gendis.2019.04.001.
- Paterson, D. L., Ko, W., Gottberg, A. Von, Mohapatra, S., Casellas, J. M., Goossens, H., *et al*(2004) 'Antibiotic Therapy for Klebsiella pneumoniae Bacteremia: Implications of Production of Extended-Spectrum b - Lactamases', *Clin. Infect. Dis.*, 15240(June):31–7.

- Permenkes RI (2011) 'Peraturan Menteri Kesehatan Republik Indonesia Nomor 2406/MENKES/PER/XII', *Pedoman Umum Penggunaan Antibiotik*:34–44.
- Perry, J. D. (2017) 'A Decade of Development of Chromogenic Culture Media for Clinical Microbiology in an Era of Molecular Diagnostics', *Clin. Microbiol. Review*, 30(2):449–479. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/28122803>.
- Peters, R. P. H., Van Agtmael, M. A., Gierveld, S., Danner, S. A., Groeneveld, A. B. J., Vandenbroucke-Grauls, *et al* (2007) 'Quantitative detection of Staphylococcus aureus and Enterococcus faecalis DNA in blood to diagnose bacteremia in patients in the intensive care unit', *J. Clin. Microbiol.*, 45(11):3641–3646. doi: 10.1128/JCM.01056-07.
- Putri, N. I. C. A., Ramadhani, R. and Wasito, E. B. (2021) 'Gram Negative Bacteria (Escherichia coli) Win Against Gram Positive Bacteria (Staphylococcus aureus) in The Same Media', *Biomol. Health Sci.J.*, 4(2):113. doi: 10.20473/bhsj.v4i2.30177.
- Retamar, P., Portillo, M. M., López-Prieto, M. D., Rodríguez-López, F., De Cueto, M., García, M. V., *et al* (2012) 'Impact of inadequate empirical therapy on the mortality of patients with bloodstream infections: A propensity score-based analysis', *Antimicrob. Agents Chemother.*, 56(1):472–478. doi: 10.1128/AAC.00462-11.
- Rhomborg, P. R., Fritsche, T. R., Sader, H. S. and Jones, R. N. (2005) 'Comparative antimicrobial potency of meropenem tested against gram-negative bacilli: Report from the MYSTIC Surveillance Program in the United States (2004)', *J. Chemother.*, 17(5):459–469. doi: 10.1179/joc.2005.17.5.459.
- Richet, H. and Universite, A. (2012) 'Seasonality in Gram-negative and healthcare-associated infections', *Clin. Microbiol. Infect.* doi: REVIEW 10.1111/j.1469-0691.2012.03954.x.
- Ruppé, É., Woerther, P. L. and Barbier, F. (2015) 'Mechanisms of antimicrobial resistance in Gram-negative bacilli', *Ann. Intensive Care*. Springer Paris, 5(1). doi: 10.1186/s13613-015-0061-0.
- Ryan, K. J., Nafees, A., W. Lawrence, D., Michael, L., C. George, R., Paul, P., L. Barth, R. and Charles R, S. (2018) 'Antibacterial Agents and Resistance', *Sherris Medical Microbiolog*, Seventh Ed:431–458.
- Sahu, C., Jain, V., Mishra, P. and Prasad, K. N. (2018) 'Clinical and laboratory standards institute versus European committee forfor antimicrobial susceptibility testing guidelines for interpretation of carbapenem antimicrobial susceptibility results for Escherichia coli in urinary tract infection (UTI)', *J. Lab. Physicians*, 10(3):289–293. doi: 10.4103/JLP.JLP_176_17.
- Saleh, N., Awada, S., Awwad, R., Jibai, S., Arfoul, C., Zaiter, L., Dib, W. and Salameh, P. (2015) 'Evaluation of antibiotic prescription in the Lebanese community: a pilot study', *Infect. Ecol. Epidemiol.*, 5(1), p. 27094. doi: 10.3402/iee.v5.27094.
- Satari, H. I., Firmansyah, A. and Theresia (2011) 'Qualitative evaluation of antibiotic usage in pediatric patients', *Paediatrica Indonesiana*, 51(6):303–310.

- Smieszek, T., Pouwels, K. B., Dolk, F. C. K., Smith, D. R. M., Hopkins, S., Sharland, M., *et al*(2018) 'Potential for reducing inappropriate antibiotic prescribing in English primary care', *J. Antimicrob. Chemother.*, 73(March 2018):ii36–ii43. doi: 10.1093/jac/dkx500.
- Smieszek, T., Pouwels, K. B., Dolk, F. C. K., Smith, D. R. M., Hopkins, S., Sharland, M., *et al*(2018) 'Potential for reducing inappropriate antibiotic prescribing in English primary care', *J. Antimicrob. Chemother.*, 73(May 2018):ii36–ii43. doi: 10.1093/jac/dkx500.
- Spivak, E. S., Cosgrove, S. E. and Srinivasan, A. (2016) 'Measuring Appropriate Antimicrobial Use: Attempts at Opening the Black Box', *Clin. Infect Dis.*, 63(12):1–6. doi: 10.1093/cid/ciw658.
- Stryjewski, M. E. and Boucher, H. W. (2009) 'Gram-negative bloodstream infections.', *Int. J. Antimicrob. Agents*. Elsevier B.V., 34 Suppl 4:S21–S25. doi: 10.1016/s0924-8579(09)70561-8.
- Sudigdoadi, S. (2001) '*Mekanisme Timbulnya Resistensi Antibiotik Pada Infeksi Bakteri*', *Fakultas Kedokteran Univeritas Padjadjaran*:1–14.
- Timbrook, T. T., Morton, J. B., Mcconeghy, K. W., Caffrey, A. R., Mylonakis, E. and LaPlante, K. L. (2017) 'The effect of molecular rapid diagnostic testing on clinical outcomes in bloodstream infections: A systematic review and meta-analysis', *Clin.Infect.Dis.*, 64(1):15–23. doi: 10.1093/cid/ciw649.
- Uslan, D. Z. (2007) 'Age and Sex-Associated Trends in Bloodstream Infection', *Arch. Intern. Med.*, 167(8), p. 834. doi: 10.1001/archinte.167.8.834.
- Vanbelle (2014) 'Sci-Hub | A New Interpretation of the Weighted Kappa Coefficients. Psychometrika, 81(2), 399–410 | 1.pdf'.
- Ventola, C. L. (2015) 'The Antibiotics', *Antibiot. Resist. Cris. Part 1 Causes Threat.*, 40(4):277–283. doi: 10.1016/B978-1-4831-9711-1.50022-3.
- Viceconte, G., Maraolo, A. E., Iula, V. D., Catania, M. R., Tosone, G. and Orlando, R. (2017) 'Appropriateness of antibiotic prescription for targeted therapy of infections caused by multidrug-resistant bacteria: Assessment of the most common improper uses in a tertiary hospital in Southern Italy', *Infez.Med.*, 25(3):224–233.
- Wang, X. and Quinn, P. J. (2010) 'Lipopolysaccharides of Gram-Negative Bacteria', *Current Topics in Membr. Transport*, 17(C):79–151. doi: 10.1016/S0070-2161(08)60309-3.
- Wootton, M. (2013) 'BSAC Methods for Antimicrobial Susceptibility Testing', *Bsac*, 44(3):1–87. Available at: http://bsac.org.uk/wp-content/uploads/2012/02/Version-12-Apr-2013_final.pdf.
- Zhang, L., Levy, K., Trueba, G., Cevallos, W., Trostle, J., Foxman, B., *et al*(2015) 'Effects of selection pressure and genetic association on the relationship between antibiotic resistance and virulence in *Escherichia coli*', *Antimicrob. Agents. Chemother.*, 59(11):6733–6740. doi: 10.1128/AAC.01094-15.