



DAFTAR PUSTAKA

- Achdout, H., Vitner, E.B., Politi, B., Melamed, S., Yahalom-Ronen, Y., Tamir, H., Erez, N., Avraham, R., Weiss, S., Cherry, L., Bar-Haim, E., Makdasi, E., Gur, D., Aftalion, M., Chitlaru, T., Vagima, Y., Paran, N. and Israely, T. (2021). Increased lethality in influenza and SARS-CoV-2 coinfection is prevented by influenza immunity but not SARS-CoV-2 immunity. *Nature Communications*, [online] 12(1), p.5819. doi:10.1038/s41467-021-26113-1.
- Alosaimi, B., Naeem, A., Hamed, M.E., Alkadi, H.S., Alanazi, T., Al Rehily, S.S., Almutairi, A.Z. and Zafar, A. (2021). Influenza co-infection associated with severity and mortality in COVID-19 patients. *Virology Journal*, 18(1). doi:10.1186/s12985-021-01594-0.
- Aman, A.T., Wibawa, T., Kosasih, H., Asdie, R.H., Safitri, I., Intansari, U.S., Mawarti, Y., Sudarmono, P., Arif, M., Puspitasari, D., Alisjahbana, B., Parwati, K.T.M., Gasem, M.H., Lokida, D., Lukman, N., Hartono, T.S., Mardian, Y., Liang, C.J., Siddiqui, S. and Karyana, M. (2021). Etiologies of severe acute respiratory infection (SARI) and misdiagnosis of influenza in Indonesia, 2013-2016. *Influenza and Other Respiratory Viruses*, 15(1), pp.34–44. doi:10.1111/irv.12781.
- Arguni, E., Supriyati, E., Hakim, M.S., Daniwijaya, E.W., Makrufardi, F., Rahayu, A., Rovik, A., Saraswati, U., Oktoviani, F.N., Prastiwi, N., Nuryastuti, T., Wibawa, T. and Haryana, S.M. (2022). Co-infection of SARS-CoV-2 with other viral respiratory pathogens in Yogyakarta, Indonesia: A cross-sectional study. *Annals of Medicine and Surgery* (2012), [online] 77, p.103676. doi:10.1016/j.amsu.2022.103676.
- Bai, L., Zhao, Y., Dong, J., Liang, S., Guo, M., Liu, X., Wang, X., Huang, Z., Sun, X., Zhang, Z., Dong, L., Liu, Q., Zheng, Y., Niu, D., Xiang, M., Song, K., Ye, J., Zheng, W., Tang, Z. and Tang, M. (2021). Coinfection with influenza A virus enhances SARS-CoV-2 infectivity. *Cell Research*, [online] 31(4), pp.395–403. doi:10.1038/s41422-021-00473-1.
- Basma Abdulhadi and Kiel, J. (2019). *Mycoplasma Pneumonia*. [online] Nih.gov. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK430780/>
- Blasi, F. (2004). Atypical pathogens and respiratory tract infections. *European Respiratory Journal*, 24(1), pp.171–182. doi:10.1183/09031936.04.00135703.
- Boschi, C., Hoang, V.T., Giraud-Gatineau, A., Ninove, L., Lagier, J., La Scola, B., Gautret, P., Raoult, D. and Colson, P. (2020). Coinfections with SARS-CoV-2 and other respiratory viruses in Southeastern France: A matter of sampling time. *Journal of Medical Virology*, 93(4), pp.1878–1881. doi:10.1002/jmv.26692.
- Branche, A. and Falsey, A. (2016). Parainfluenza Virus Infection. *Seminars in Respiratory and Critical Care Medicine*, 37(04), pp.538–554. doi:10.1055/s-0036-1584798.
- Brotons, P., Jordan, I., Bassat, Q., Henares, D., Fernandez de Sevilla, M., Ajanovic, S., Redin, A., Fumado, V., Baro, B., Claverol, J., Varo, R., Cuadras, D., Hecht, J., Barrabeig, I., Garcia-Garcia, J.J., Launes, C. and Muñoz-Almagro, C. (2021). The Positive Rhinovirus/Enterovirus Detection and SARS-CoV-2 Persistence beyond the Acute Infection Phase: An Intra-Household Surveillance Study. *Viruses*, [online] 13(8), p.1598. doi:10.3390/v13081598.
- Chen, X., Liao, B., Cheng, L., Peng, X., Xu, X., Li, Y., Hu, T., Li, J., Zhou, X. and Ren, B. (2020). The microbial coinfection in COVID-19. *Applied Microbiology and Biotechnology*, 104(18), pp.7777–7785. doi:10.1007/s00253-020-10814-6corma
- Corman, V. M., Muth, D., Niemeyer, D., & Drosten, C. (2018). Hosts and Sources of Endemic Human Coronaviruses. *Advances in virus research*, 100, 163–188. <https://doi.org/10.1016/bs.aivir.2018.01.001>



- covid19.go.id. (2022). *Situasi COVID-19 di Indonesia (Update per 28 Februari 2022)* | *Covid19.go.id.* [online] Available at: <https://covid19.go.id/artikel/2022/02/28/situasi-covid-19-di-indonesia-update-28-februari-2022> [Accessed 28 Jan. 2023].
- Cox, M.J., Loman, N., Bogaert, D. and O'Grady, J. (2020). Co-infections: potentially lethal and unexplored in COVID-19. *The Lancet Microbe.* [online] doi:10.1016/S2666-5247(20)30009-4.
- DaPalma, T., Doonan, B.P., Trager, N.M. and Kasman, L.M. (2010). A systematic approach to virus–virus interactions. *Virus Research*, 149(1), pp.1–9. doi:10.1016/j.virusres.2010.01.002.
- Dharmapalan, D. (2020). Influenza. *The Indian Journal of Pediatrics.* doi:10.1007/s12098-020-03214-1.
- Ejaz, H., Alsrhani, A., Zafar, A., Javed, H., Junaid, K., Abdalla, A.E., Abosalif, K.O.A., Ahmed, Z. and Younas, S. (2020). COVID-19 and comorbidities: deleterious impact on infected patients. *Journal of Infection and Public Health*, 13(12). doi:10.1016/j.jiph.2020.07.014.
- Eldesouki, R.E., Uhlig, K. and Mostafa, H.H. (2022). The Circulation of Non-SARS-CoV-2 Respiratory Viruses and Coinfections with SARS-CoV-2 during the Surge of the Omicron Variant. *Journal of Clinical Virology*, p.105215. doi:10.1016/j.jcv.2022.105215.
- Fahim, M., Ghonim, H.A.E.S., Roshdy, W.H., Naguib, A., Elguindy, N., AbdelFatah, M., Hassany, M., Mohsen, A., Afifi, S. and Eid, A. (2021). Coinfection With SARS-CoV-2 and Influenza A(H1N1) in a Patient Seen at an Influenza-like Illness Surveillance Site in Egypt: Case Report. *JMIR Public Health and Surveillance*, 7(4), p.e27433. doi:10.2196/27433.
- Garcia, J., Espejo, V., Nelson, M., Sovero, M., Villaran, M.V., Gomez, J., Barrantes, M., Sanchez, F., Comach, G., Arango, A.E., Aguayo, N., de Rivera, I.L., Chicaiza, W., Jimenez, M., Aleman, W., Rodriguez, F., Gonzales, M.S., Kochel, T.J. and Halsey, E.S. (2013). Human rhinoviruses and enteroviruses in influenza-like illness in Latin America. *Virology Journal*, [online] 10, p.305. doi:10.1186/1743-422X-10-305.
- Garcia-Vidal, C., Sanjuan, G., Moreno-García, E., Puerta-Alcalde, P., Garcia-Pouton, N., Chumbita, M., Fernandez-Pittol, M., Pitart, C., Inciarte, A., Bodro, M., Morata, L., Ambrosioni, J., Grafia, I., Meira, F., Macaya, I., Cardozo, C., Casals, C., Tellez, A., Castro, P. and Marco, F. (2020). Incidence of co-infections and superinfections in hospitalized patients with COVID-19: a retrospective cohort study. *Clinical Microbiology and Infection.* [online] doi:10.1016/j.cmi.2020.07.041.
- Hermos, C.R., Vargas, S.O. and McAdam, A.J. (2010). Human Metapneumovirus. *Clinics in Laboratory Medicine*, 30(1), pp.131–148. doi:10.1016/j.cll.2009.10.002.
- Hofmann, H., Pyrc, K., van der Hoek, L., Geier, M., Berkhout, B. and Pohlmann, S. (2005). Human coronavirus NL63 employs the severe acute respiratory syndrome coronavirus receptor for cellular entry. *Proceedings of the National Academy of Sciences*, 102(22), pp.7988–7993. doi:10.1073/pnas.0409465102.
- Hu, B., Guo, H., Zhou, P. and Shi, Z.-L. (2020). Characteristics of SARS-CoV-2 and COVID-19. *Nature Reviews Microbiology*, [online] 19(19), pp.1–14. doi:10.1038/s41579-020-00459-7.
- Ji, P., Zhu, J., Zhong, Z., Li, H., Pang, J., Li, B. and Zhang, J. (2020). Association of elevated inflammatory markers and severe COVID-19. *Medicine*, [online] 99(47). doi:10.1097/MD.00000000000023315.
- Khelef, N., Danve, B., Quentin-Millet, M.J. and Guiso, N. (1993). Bordetella pertussis and Bordetella parapertussis: two immunologically distinct species. *Infection and Immunity*, 61(2), pp.486–490. doi:10.1128/iai.61.2.486-490.1993.



- Kim, T.Y., Kim, J.-Y., Shim, H.J., Yun, S.A., Jang, J.-H., Huh, H.J., Kim, J.-W. and Lee, N.Y. (2022). Performance Evaluation of the PowerChek SARS-CoV-2, Influenza A & B Multiplex Real-Time PCR Kit in Comparison with the BioFire Respiratory Panel. *Annals of Laboratory Medicine*, [online] 42(4), pp.473–477. doi:10.3343/alm.2022.42.4.473.
- Kirtipal, N., Bharadwaj, S. and Kang, S.G. (2020). From SARS to SARS-CoV-2, insights on structure, pathogenicity and immunity aspects of pandemic human coronaviruses. *Infection, Genetics and Evolution*, 85, p.104502. doi:10.1016/j.meegid.2020.104502.
- Kosasih, H., Bratasena, A., Pangesti, K., Laras, K. and Samaan, G. (2014). Managing seasonal influenza: oseltamivir treatment policy in indonesia? *Acta Medica Indonesiana*, [online] 46(1), pp.58–65. Available at: <https://pubmed.ncbi.nlm.nih.gov/24760811/> [Accessed 26 Jan. 2023].
- Kumar, S. (2018). *Mycoplasma pneumoniae*: A significant but underrated pathogen in paediatric community-acquired lower respiratory tract infections. *The Indian journal of medical research*, 147(1), 23–31. https://doi.org/10.4103/ijmr.IJMR_1582_16
- Lafond, K.E., Praptiningsih, C.Y., Mangiri, A., Syarif, M., Triada, R., Mulyadi, E., Septiawati, C., Setiawaty, V., Samaan, G., Storms, A.D., Uyeki, T.M. and Iuliano, A.D. (2019). Seasonal Influenza and Avian Influenza A(H5N1) Virus Surveillance among Inpatients and Outpatients, East Jakarta, Indonesia, 2011–2014. *Emerging Infectious Diseases*, 25(11), pp.2031–2039. doi:10.3201/eid2511.181844.
- Lansbury, L., Lim, B., Baskaran, V. and Lim, W.S. (2020). Co-infections in people with COVID-19: a systematic review and meta-analysis. *The Journal of Infection*, [online] 81(2), pp.266–275. doi:10.1016/j.jinf.2020.05.046.
- Li, J., He, X., Yuan Yuan, Zhang, W., Li, X., Zhang, Y., Li, S., Guan, C., Gao, Z. and Dong, G. (2020). Meta-analysis investigating the relationship between clinical features, outcomes, and severity of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) pneumonia. *American Journal of Infection Control*. doi:10.1016/j.ajic.2020.06.008.
- Li, L., Huang, T., Wang, Y., Wang, Z., Liang, Y., Huang, T., Zhang, H., Sun, W. and Wang, Y. (2020). COVID-19 patients' clinical characteristics, discharge rate, and fatality rate of meta-analysis. *Journal of Medical Virology*, 92(6), pp.577–583. doi:10.1002/jmv.25757.
- Li, X., Zhong, X., Wang, Y., Zeng, X., Luo, T. and Liu, Q. (2021). Clinical determinants of the severity of COVID-19: A systematic review and meta-analysis. *PLOS ONE*, 16(5), p.e0250602. doi:10.1371/journal.pone.0250602.
- Lin, L., Lu, L., Cao, W. and Li, T. (2020). Hypothesis for potential pathogenesis of SARS-CoV-2 infection—a review of immune changes in patients with viral pneumonia. *Emerging Microbes & Infections*, 9(1), pp.1–14. doi:10.1080/22221751.2020.1746199.
- Lion, T. (2014). Adenovirus Infections in Immunocompetent and Immunocompromised Patients. *Clinical Microbiology Reviews*, [online] 27(3), pp.441–462. doi:10.1128/cmr.00116-13.
- Lwanga, S.K., Lemeshow, S. and World Health Organization (1991). Sample size determination in health studies: a practical manual. *Who.int*. [online] doi:9241544058.
- Malekifar, P., Pakzad, R., Shahbahrami, R., Zandi, M., Jafarpour, A., Rezayat, S.A., Akbarpour, S., Shabestari, A.N., Pakzad, I., Hesari, E., Farahani, A. and Soltani, S. (2021). Viral Coinfection among COVID-19 Patient Groups: An Update Systematic Review and Meta-Analysis. *BioMed Research International*, [online] 2021, pp.1–10. doi:10.1155/2021/5313832.
- Malone, B., Urakova, N., Snijder, E.J. and Campbell, E.A. (2021). Structures and functions of coronavirus replication-transcription complexes and their relevance for SARS-CoV-2



drug design. *Nature Reviews Molecular Cell Biology*, 23. doi:10.1038/s41580-021-00432-z

Motta, J.C. and Gómez, C.C. (2020). Adenovirus and novel coronavirus (SARS-CoV2) coinfection: A case report. *IDCases*, 22, p.e00936. doi:10.1016/j.idcr.2020.e00936.

Muralidhar, S., Ambi, S.V., Sekaran, S. and Krishnan, U.M. (2020). The emergence of COVID-19 as a global pandemic: Understanding the epidemiology, immune response and potential therapeutic targets of SARS-CoV-2. *Biochimie*, 179, pp.85–100. doi:10.1016/j.biochi.2020.09.018.

Nicola, M., Alsafi, Z., Sohrabi, C., Kerwan, A., Al-Jabir, A., Iosifidis, C., Agha, M. and Agha, R. (2020). The Socio-Economic Implications of the Coronavirus and COVID-19 Pandemic: A Review. *International Journal of Surgery*, [online] 78, pp.185–193. doi:10.1016/j.ijsu.2020.04.018.

Nikolich-Žugich, J., Bradshaw, C.M., Uhrlaub, J.L. and Watanabe, M. (2021). Immunity to acute virus infections with advanced age. *Current Opinion in Virology*, 46, pp.45–58. doi:10.1016/j.coviro.2020.09.007.

Piret, J. and Boivin, G. (2022). Viral Interference between Respiratory Viruses - Volume 28, Number 2—February 2022 - *Emerging Infectious Diseases journal - CDC*. wwwnc.cdc.gov. [online] doi:10.3201/eid2802.211727.

Piedimonte, G. and Perez, M.K. (2014). Respiratory Syncytial Virus Infection and Bronchiolitis. *Pediatrics in Review*, [online] 35(12), pp.519–530. doi:10.1542/pir.35-12-519.

Qin, C., Zhou, L., Hu, Z., Zhang, S., Yang, S., Tao, Y., Xie, C., Ma, K., Shang, K., Wang, W. and Tian, D.-S. (2020). Dysregulation of immune response in patients with COVID-19 in Wuhan, China. *Clinical Infectious Diseases*, 71(15), pp.762–768. doi:10.1093/cid/ciaa248.

Rodriguez-Morales, A.J., Cardona-Ospina, J.A., Gutiérrez-Ocampo, E., Villamizar-Peña, R., Holguín-Rivera, Y., Escalera-Antezana, J.P., Alvarado-Arnez, L.E., Bonilla-Aldana, D.K., Franco-Paredes, C., Henao-Martínez, A.F., Paniz-Mondolfi, A., Lagos-Grisales, G.J., Ramírez-Vallejo, E., Suárez, J.A., Zambrano, L.I., Villamil-Gómez, W.E., Balbin-Ramon, G.J., Rabaan, A.A., Harapan, H. and Dhama, K. (2020). Clinical, laboratory and imaging features of COVID-19: A systematic review and meta-analysis. *Travel Medicine and Infectious Disease*, [online] 34, p.101623. doi:10.1016/j.tmaid.2020.101623.

Sanyal, S. (2020). How SARS-CoV-2 (COVID-19) spreads within infected hosts — what we know so far. *Emerging Topics in Life Sciences*, 4(4), pp.383–390. doi:10.1042/etls20200165.

Sarkar, S., Khanna, P. and Singh, A.K. (2020). Impact of COVID-19 in patients with concurrent co-infections: A systematic review and meta-analyses. *Journal of Medical Virology*, 93(4), pp.2385–2395. doi:10.1002/jmv.26740.

Simula, E.R., Manca, M.A., Jasemi, S., Uzzau, S., Rubino, S., Manchia, P., Bitti, A., Palermo, M. and Sechi, L.A. (2020). HCoV-NL63 and SARS-CoV-2 Share Recognized Epitopes by the Humoral Response in Sera of People Collected Pre- and during CoV-2 Pandemic. *Microorganisms*, 8(12), p.1993. doi:10.3390/microorganisms8121993.



Singh, V., Upadhyay, P., Reddy, J. and Granger, J. (2021). SARS-CoV-2 respiratory co-infections: Incidence of viral and bacterial co-pathogens. *International Journal of Infectious Diseases*, 105, pp.617–620. doi:10.1016/j.ijid.2021.02.087.

Smedberg, J.R., DiBiase, L.M., Hawken, S.E., Allen, A., Mohan, S., Santos, C., Smedberg, T., Barzin, A.H., Wohl, D.A. and Miller, M.B. (2022). Reduction and persistence of co-circulating respiratory viruses during the SARS-CoV-2 pandemic. *American Journal of Infection Control*, [online] 50(9), pp.1064–1066. doi:10.1016/j.ajic.2022.06.008.

Swets, M.C., Russell, C.D., Harrison, E.M., Docherty, A.B., Lone, N., Girvan, M., Hardwick, H.E., Visser, L.G., Openshaw, P.J.M., Groeneveld, G.H., Semple, M.G. and Baillie, J.K. (2022). SARS-CoV-2 co-infection with influenza viruses, respiratory syncytial virus, or adenoviruses. *The Lancet*. doi:10.1016/s0140-6736(22)00383-x.

Takashita, E., Kawakami, C., Momoki, T., Saikusa, M., Shimizu, K., Ozawa, H., Kumazaki, M., Usuku, S., Tanaka, N., Okubo, I., Morita, H., Nagata, S., Watanabe, S., Hasegawa, H. and Kawaoka, Y. (2021). Increased risk of rhinovirus infection in children during the coronavirus disease-19 pandemic. *Influenza and Other Respiratory Viruses*, 15(4), pp.488–494. doi:10.1111/irv.12854.

Tay, M.Z., Poh, C.M., Rénia, L., MacAry, P.A. and Ng, L.F.P. (2020). The trinity of COVID-19: immunity, inflammation and intervention. *Nature Reviews Immunology*, [online] 20(6), pp.1–12. doi:10.1038/s41577-020-0311-8.

Varela, F.H., Sartor, I.T.S., Polese-Bonatto, M., Azevedo, T.R., Kern, L.B., Fazolo, T., de David, C.N., Zavaglia, G.O., Fernandes, I.R., Krauser, J.R.M., Stein, R.T. and Scotta, M.C. (2022). Rhinovirus as the main co-circulating virus during the COVID-19 pandemic in children. *Jornal De Pediatria*, [online] 98(6), pp.579–586. doi:10.1016/j.jped.2022.03.003.

Wang, Y., Wang, Y., Chen, Y., & Qin, Q. (2020). Unique epidemiological and clinical features of the emerging 2019 novel coronavirus pneumonia (COVID-19) implicate special control measures. *Journal of Medical Virology*, 92(6), 568–576. <https://doi.org/10.1002/jmv.25748>

Wanga, V. (2021). Characteristics and Clinical Outcomes of Children and Adolescents Aged 18 Years Hospitalized with COVID-19 — Six Hospitals, United States, July–August 2021. *MMWR. Morbidity and Mortality Weekly Report*, [online] 70. doi:10.15585/mmwr.mm705152a3.

Wee, L.E., Ko, K.K.K., Ho, W.Q., Kwek, G.T.C., Tan, T.T. and Wijaya, L. (2020). Community-acquired viral respiratory infections amongst hospitalized inpatients during a COVID-19 outbreak in Singapore: co-infection and clinical outcomes. *Journal of Clinical Virology*, 128, p.104436. doi:10.1016/j.jcv.2020.104436.

World Health Organisation (2023). *Clinical management of COVID-19: Living guideline*, 13 January 2023. [online] Available at: <https://www.who.int/publications/i/item/WHO-2019-nCoV-clinical-2023.1>.

World Health Organisation (2018). *Influenza (Seasonal)*. [online] Who.int. Available at: [https://www.who.int/news-room/fact-sheets/detail/influenza-\(seasonal\)](https://www.who.int/news-room/fact-sheets/detail/influenza-(seasonal)).



Yang, H. and Rao, Z. (2021). Structural biology of SARS-CoV-2 and implications for therapeutic development. *Nature Reviews Microbiology*, 19(11), pp.685–700. doi:10.1038/s41579-021-00630-8.

Zamora-Cintas, M.I., López, D.J., Blanco, A.C., Rodriguez, T.M., Segarra, J.M., Novales, J.M., Ferriol, M.F.R., Maestre, M.M. and Sacristán, M.S. (2021). Coinfections among hospitalized patients with covid-19 in the first pandemic wave. *Diagnostic Microbiology and Infectious Disease*, 101(3), p.115416. doi:10.1016/j.diagmicrobio.2021.115416.