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DAFTAR PUSTAKA

Aguilar, R.B., Hardigan, P., Mayi, B., Sider, D., Piotrkowski, J., Mehta, J.P., Dev, J., Seijo, Y., Camargo, A.L., Andux, L., Hagen, K., Hernandez, M.B., 2020. Current Understanding of COVID-19 Clinical Course and Investigational Treatments. Front. Med. 7, 638. https://doi.org/10.3389/fmed.2020.555301

Akl, E.A., Blažić, I., Yaacoub, S., Frija, G., Chou, R., Appiah, J.A., Fatehi, M., Flor, N., Hitti, E., Jafri, H., Jin, Z.-Y., Kauczor, H.U., Kawooya, M., Kazerooni, E.A., Ko, J.P., Mahfouz, R., Muglia, V., Nyabanda, R., Sanchez, M., Shete, P.B., Ulla, M., Zheng, C., van Deventer, E., Perez, M.D.R., 2021. Use of Chest Imaging in the Diagnosis and Management of COVID-19: A WHO Rapid Advice Guide. Radiology 298, E63–E69. https://doi.org/10.1148/radiol.2020203173

Albrandt-Salmeron, A., Espejo-Fonseca, R., Roldan-Valadez, E., 2021a. Correlation between Chest X-Ray Severity in COVID-19 and Age in Mexican-Mestizo Patients: An Observational Cross-Sectional Study. Biomed Res. Int. 2021, 5571144. https://doi.org/10.1155/2021/5571144

Albrandt-Salmeron, A., Espejo-Fonseca, R., Roldan-Valadez, E., 2021b. Correlation between Chest X-Ray Severity in COVID-19 and Age in Mexican-Mestizo Patients: An Observational Cross-Sectional Study. Biomed Res. Int. 2021. https://doi.org/10.1155/2021/5571144

Ambrosino, I., Barbagelata, E., Ortona, E., Ruggieri, A., Massiah, G., Giannico, O.V., Politi, C., Moretti, A.M., 2020. Gender differences in patients with COVID-19: A narrative review. Monaldi Arch. Chest Dis. 90, 318–324. https://doi.org/10.4081/monaldi.2020.1389

Baranwal, A., Mahapatra, S., Purohit, B., Roy, S., Chandra, P., 2020. Insights into Novel Coronavirus and {COVID}-19 Outbreak, in: Medical Virology: From Pathogenesis to Disease Control. Springer Singapore, pp. 1–17. https://doi.org/10.1007/978-981-15-6006-4_1

Barhoumi, T., Kasal, D.A., Li, M.W., Shbat, L., Laurant, P., Neves, M.F., Paradis, P., Schiffrin, E.L., 2011. T Regulatory lymphocytes prevent angiotensin II-induced hypertension and vascular injury. Hypertension 57, 469–476. https://doi.org/10.1161/HYPERTENSIONAHA.110.162941

Bekdas, M., Goksugur, S.B., Sarac, E.G., Erkocoglu, M., Demircioglu, F., 2014. Neutrophil/lymphocyte and c-reactive protein/mean platelet volume ratios in differentiating between viral and bacterial pneumonias and diagnosing early complications in children. Saudi Med. J. 35, 442–447.

Bernheim, A., Mei, X., Huang, M., Yang, Y., Fayad, Z.A., Zhang, N., Diao, K., Lin, B., Zhu, X., Li, K., Li, S., Shan, H., Jacobi, A., Chung, M., Cai, W., Yang, J., Fan, G., Xu, L., Zhang, B., Liu, R., 2020. Chest CT Findings in Coronavirus Disease-19 (COVID-19): Relationship to Duration of Infection. Radiology 295, 200463. https://doi.org/10.1148/radiol.2020200463

Bilge, M., Akilli, I.K., Karaayvaz, E.B., Yesilova, A., Kart Yasar, K., 2021. Comparison of systemic immune-inflammation index (SII), early warning score (ANDC) and prognostic nutritional index (PNI) in hospitalized patients

UNIVERSITAS
GADJAH MADA
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Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

with malignancy, and their influence on mortality from COVID-19. Infect. Agent. Cancer 16. https://doi.org/10.1186/s13027-021-00400-4

Borghesi, A., Maroldi, R., 2020. COVID-19 outbreak in Italy: experimental chest X-ray scoring system for quantifying and monitoring disease progression. Radiol. Medica 125, 509–513. https://doi.org/10.1007/s11547-020-01200-3

Borghesi, A., Zigliani, A., Golemi, S., Carapella, N., Maculotti, P., Farina, D., Maroldi, R., 2020a. Chest X-ray severity index as a predictor of in-hospital mortality in coronavirus disease 2019: A study of 302 patients from Italy. Int. J. Infect. Dis. 96, 291–293. https://doi.org/10.1016/j.ijid.2020.05.021

Borghesi, A., Zigliani, A., Masciullo, R., Golemi, S., Maculotti, P., Farina, D., Maroldi, R., 2020b. Radiographic severity index in COVID-19 pneumonia: relationship to age and sex in 783 Italian patients. Radiol. Med. https://doi.org/10.1007/s11547-020-01202-1

British Society of Thoracic Imaging, 2020. Thoracic imaging in COVID-19 infection v2. Guid. Report. Radiol. 28.

British Society Thoracic Imaging, 2020a. COVID-19: CXR reporting.

British Society Thoracic Imaging, 2020b. COVID-19 : CXR examples.

Brodin, P., 2021. Immune determinants of COVID-19 disease presentation and severity. Nat. Med. 27, 28–33. https://doi.org/10.1038/s41591-020-01202-8

Burian, E., Jungmann, F., Kaissis, G., Lohöfer, F., Spinner, C.D., Lahmer, T., Treiber, M., Dommasch, M., Schneider, G., Geisler, F., Huber, W., Protzer, U., Schmid, R.M., Schwaiger, M., Makowski, M.R., Braren, R.F., 2020. Intensive Care Risk Estimation in COVID-19 Pneumonia Based on Clinical and Imaging Parameters: Experiences from the Munich Cohort. SSRN Electron. J. 2, 1–9. https://doi.org/10.2139/ssrn.3572889

Burki, T.K., 2020. Coronavirus in China. Lancet. Respir. Med. https://doi.org/10.1016/S2213-2600(20)30056-4

Chen, J., Bai, H., Liu, J., Chen, Ge, Liao, Q., Yang, J., Wu, P., Wei, J., Ma, D., Chen, Gang, Ai, J., Li, K., 2020. Distinct Clinical Characteristics and Risk Factors for Mortality in Female Inpatients With Coronavirus Disease 2019 (COVID-19): A Sex-stratified, Large-scale Cohort Study in Wuhan, China. Clin. Infect. Dis. 71, 3188–3195. https://doi.org/10.1093/cid/ciaa920

Chen, N., Zhou, M., Dong, X., Qu, J., Gong, F., Han, Y., Qiu, Y., Wang, J., Liu, Y., Wei, Y., Xia, J., Yu, T., Zhang, X., Zhang, L., 2020. Epidemiological and clinical characteristics of 99 cases of 2019 novel coronavirus pneumonia in Wuhan, China: a descriptive study. Lancet (London, England) 395, 507–513. https://doi.org/10.1016/S0140-6736(20)30211-7

Chen, T., Wu, D., Chen, H., Yan, W., Yang, D., Chen, G., Ma, K., Xu, D., Yu, H., Wang, H., Wang, T., Guo, W., Chen, J., Ding, C., Zhang, X., Huang, J., Han, M., Li, S., Luo, X., Zhao, J., Ning, Q., 2020. Clinical characteristics of 113 deceased patients with coronavirus disease 2019: retrospective study. BMJ 368, m1091. https://doi.org/10.1136/bmj.m1091

Cheng, C., Zhang, D.D., Dang, D., Geng, J., Zhu, P., Yuan, M., Liang, R., Yang, H., Jin, Y., Xie, J., Chen, S., Duan, G., 2021. The incubation period of COVID-19: a global meta-analysis of 53 studies and a Chinese observation study of 11 545 patients. Infect. Dis. Poverty 10, 1–13. https://doi.org/10.1186/s40249-021-00901-9

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Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

Chobanian, A. V, Bakris, G.L., Black, H.R., Cushman, W.C., Green, L.A., Izzo, J.L.J., Jones, D.W., Materson, B.J., Oparil, S., Wright, J.T.J., Roccella, E.J., 2003. The Seventh Report of the Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure: the JNC 7 report. JAMA 14, 161–168. https://doi.org/10.1097/00001573-199903000-00014

Choi, J.Y., Smith, D.M., 2021. SARS-CoV-2 variants of concern. Yonsei Med. J. 62, 961–968. https://doi.org/10.3349/ymj.2021.62.11.961

Chowdhury, M.A., Hossain, N., Kashem, M.A., Shahid, M.A., Alam, A., 2020. Immune response in COVID-19: A review. J. Infect. Public Health 13, 1619–1629. https://doi.org/10.1016/j.jiph.2020.07.001

Cohen, P.A., Hall, L.E., John, J.N., Rapoport, A.B., 2020. The Early Natural History of SARS-CoV-2 Infection: Clinical Observations From an Urban, Ambulatory COVID-19 Clinic. Mayo Clin. Proc. 95, 1124–1126. https://doi.org/10.1016/j.mayocp.2020.04.010

Cozzi, D., Albanesi, M., Cavigli, E., Moroni, C., Bindi, A., Luvarà, S., Lucarini, S., Busoni, S., Mazzoni, L.N., Miele, V., 2020. Chest X-ray in new Coronavirus Disease 2019 (COVID-19) infection: findings and correlation with clinical outcome. Radiol. Medica 125, 730–737. https://doi.org/10.1007/s11547-020-01232-9

Dahlan, S., 2010a. Besar Sampel Dan Cara Pengambilan Sampel, 3rd ed. Salemba Medika, Jakarta.

Dahlan, S., 2010b. Statistik Untuk Kedokteran Dan Kesehatan, 3rd ed. Salemba Medika, Jakarta.

de Andrade Santos, I., Grosche, V.R., Bergamini, F.R.G., Sabino-Silva, R., Jardim, A.C.G., 2020. Antivirals Against Coronaviruses: Candidate Drugs for {SARS}-{CoV}-2 Treatment? Front. Microbiol. 11. https://doi.org/10.3389/fmicb.2020.01818

Driggin, E., Madhavan, M. V, Bikdeli, B., Chuich, T., Laracy, J., Biondi-Zoccai, G., Brown, T.S., Der Nigoghossian, C., Zidar, D.A., Haythe, J., Brodie, D., Beckman, J.A., Kirtane, A.J., Stone, G.W., Krumholz, H.M., Parikh, S.A., 2020. Cardiovascular Considerations for Patients, Health Care Workers, and Health Systems During the COVID-19 Pandemic. J. Am. Coll. Cardiol. 75, 2352–2371. https://doi.org/10.1016/j.jacc.2020.03.031

European Medicines Agency, 2021. Considerations on the use of self-tests for COVID-19 in the EU/EEA.

Fatima, S., Ratnani, I., Husain, M., Surani, S., 2020. Radiological Findings in Patients with COVID-19. Cureus 12, 10–13. https://doi.org/10.7759/cureus.7651

Feng, W., Zong, W., Wang, F., Ju, S., 2020. Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2): A review. Mol. Cancer 19, 892–893. https://doi.org/10.1186/s12943-020-01218-1

Fois, A.G., Paliogiannis, P., Scano, V., Cau, S., Babudieri, S., Perra, R., Ruzzittu, G., Zinellu, E., Pirina, P., Carru, C., Arru, L.B., Fancellu, A., Mondoni, M., Mangoni, A.A., Zinellu, A., 2020. The Systemic Inflammation Index on Admission Predicts In-Hospital Mortality in COVID-19 Patients. Molecules 25. https://doi.org/10.3390/molecules25235725

UNIVERSITAS GADJAH MADA
KORELASI GAMBARAN RADIOGRAFI TORAKS PNEUMONIA COVID-19 MENURUT SKOR BRIXIA TERHADAP SYSTEM IMMUNE INFLAMMATION INDEKS
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Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

Foust, A.M., Phillips, G.S., Chu, W.C., Daltro, P., Das, K.M., Garcia-Peña, P., Kilborn, T., Winant, A.J., Lee, E.Y., 2020. International expert consensus statement on chest imaging in pediatric covid-19 patient management: Imaging findings, imaging study reporting, and imaging study recommendations. Radiol. Cardiothorac. Imaging 2. https://doi.org/10.1148/ryct.2020200214

Fu, Y., Pan, Y., Li, Z., Li, Y., 2021. The Utility of Specific Antibodies Against SARS-CoV-2 in Laboratory Diagnosis. Front. Microbiol. 11. https://doi.org/10.3389/fmicb.2020.603058

Garg, P.K., Khera, P.S., Saxena, S., Sureka, B., Garg, M.K., Nag, V.L., Purohit, A., Dutt, N., Tiwari, S., Yadav, T., Singh, S., Misra, S., 2021. Chest-x-ray-based scoring, total leukocyte count, and neutrophil-to-lymphocyte ratio for prediction of covid-19 in patients with severe acute respiratory illness. Turkish Thorac. J. 22, 130–136. https://doi.org/10.5152/TurkThoracJ.2021.20239

Gharaibeh, M., Elheis, M., Khasawneh, R., Al-Omari, M., Jibril, M., Dilki, K., El-Obeid, E., Altalhi, M., Abualigah, L., 2022. Chest Radiograph Severity Scores, Comorbidity Prevalence, and Outcomes of Patients with Coronavirus Disease Treated at the King Abdullah University Hospital in Jordan: A Retrospective Study. Int. J. Gen. Med. Volume 15, 5103–5110. https://doi.org/10.2147/ijgm.s360851

Gomez, J.M.D., Du-Fay-De-Lavallaz, J.M., Fugar, S., Sarau, A., Simmons, J.A., Clark, B., Sanghani, R.M., Aggarwal, N.T., Williams, K.A., Doukky, R., Volgman, A.S., 2021. Sex Differences in COVID-19 Hospitalization and Mortality. J. Women's Heal. 30, 646–653. https://doi.org/10.1089/jwh.2020.8948

Gorbalenya, A.E., Baker, S.C., Baric, R.S., de Groot, R.J., Drosten, C., Gulyaeva, A.A., Haagmans, B.L., Lauber, C., Leontovich, A.M., Neuman, B.W., Penzar, D., Perlman, S., Poon, L.L.M., Samborskiy, D., Sidorov, I.A., Sola, I., Ziebuhr, J., 2020. Severe acute respiratory syndrome-related coronavirus: The species and its viruses {\textendash} a statement of the Coronavirus Study Group. bioRxiv. https://doi.org/10.1101/2020.02.07.937862

Guan, W., Liang, W., Zhao, Y., Liang, H., Chen, Zi-sheng, Li, Y., Liu, X., Chen, R., Tang, C., Wang, T., Ou, C., Li, L., Chen, P., Sang, L., Wang, W., Li, J., Li, C., Ou, L., Cheng, B., Xiong, S., Ni, Z., Xiang, J., Hu, Yu, Liu, L., Shan, H., Lei, C., Peng, Y., Wei, L., Liu, Y., Hu, Ya-hua, Peng, P., Wang, J., Liu, J., Chen, Zhong, Li, G., Zheng, Z., Qiu, S., Luo, J., Ye, C., Zhu, S., Cheng, L., Ye, F., Li, S., Zheng, J., Zhang, N., Zhong, N., He, J., 2020. Comorbidity and its impact on 1590 patients with COVID-19 in China: a nationwide analysis. Eur. Respir. J. 55. https://doi.org/10.1183/13993003.00547-2020

Gunay, S., Çalışkan, S., Sigirli, D., 2021. Inflammation and Nocturnal Pattern of Blood Pressure in Normotensives. Int. J. Cardiovasc. Sci. https://doi.org/10.36660/ijcs.20200298

Guo, L., Ren, L., Yang, S., Xiao, M., Chang, D., Yang, F., Dela Cruz, C.S., Wang, Y., Wu, C., Xiao, Y., Zhang, L., Han, L., Dang, S., Xu, Y., Yang, Q.-W., Xu, S.-Y., Zhu, H.-D., Xu, Y.-C., Jin, Q., Sharma, L., Wang, L., Wang, J., 2020. Profiling Early Humoral Response to Diagnose Novel Coronavirus Disease (COVID-19). Clin. Infect. Dis. 71, 778–785.

UNIVERSITAS
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KORELASI GAMBARAN RADIOGRAFI TORAKS PNEUMONIA COVID-19 MENURUT SKOR BRIXIA TERHADAP SYSTEM IMMUNE INFLAMMATION INDEKS
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https://doi.org/10.1093/cid/ciaa310

Harapan, H., Itoh, N., Yufika, A., Winardi, W., Keam, S., Te, H., Megawati, D., Hayati, Z., Wagner, A.L., Mudatsir, M., 2020. Coronavirus disease 2019 (COVID-19): A literature review. J. Infect. Public Health 13, 667–673. https://doi.org/10.1016/j.jiph.2020.03.019

Hare, S.S., Tavare, A.N., Musaddaq, B., Beal, I., Cleverley, J., Cash, C., Lemoniati, E., Barnett, J., 2020. Validation of the British Society of Thoracic Imaging guidelines for COVID-19 chest radiograph reporting. Clin. Radiol. 75, 710.e9-710.e14. https://doi.org/10.1016/j.crad.2020.06.005

Ho, J.C., Chan, K.N., Hu, W.H., Lam, W.K., Zheng, L., Tipoe, G.L., Sun, J., Leung, R., Tsang, K.W., 2001. The effect of aging on nasal mucociliary clearance, beat frequency, and ultrastructure of respiratory cilia. Am. J. Respir. Crit. Care Med. 163, 983–988. https://doi.org/10.1164/ajrccm.163.4.9909121

Hoffmann, M., Kleine-Weber, H., Schroeder, S., Krüger, N., Herrler, T., Erichsen, S., Schiergens, T.S., Herrler, G., Wu, N.H., Nitsche, A., Müller, M.A., Drosten, C., Pöhlmann, S., 2020. SARS-CoV-2 Cell Entry Depends on ACE2 and TMPRSS2 and Is Blocked by a Clinically Proven Protease Inhibitor. Cell 181, 271-280.e8. https://doi.org/10.1016/j.cell.2020.02.052

Hu, B., Yang, X.R., Xu, Y., Sun, Y.F., Sun, C., Guo, W., Zhang, X., Wang, W.M., Qiu, S.J., Zhou, J., Fan, J., 2014. Systemic immune-inflammation index predicts prognosis of patients after curative resection for hepatocellular carcinoma. Clin. Cancer Res. 20, 6212–6222. https://doi.org/10.1158/1078-0432.CCR-14-0442

Huang, C., Wang, Y., Li, X., Ren, L., Zhao, J., Hu, Y., Zhang, L., Fan, G., Xu, J., Gu, X., Cheng, Z., Yu, T., Xia, J., Wei, Y., Wu, W., Xie, X., Yin, W., Li, H., Liu, M., Xiao, Y., Gao, H., Guo, L., Xie, J., Wang, G., Jiang, R., Gao, Z., Jin, Q., Wang, J., Cao, B., 2020. Clinical features of patients infected with 2019 novel coronavirus in Wuhan, China. Lancet (London, England) 395, 497–506. https://doi.org/10.1016/S0140-6736(20)30183-5

Hui, T.C.H., Khoo, H.W., Young, B.E., Mohideen, S.M.H., Lee, Y.S., Lim, C.J., Leo, Y.S., Kaw, G.J.L., Lye, D.C., Tan, C.H., 2020. Clinical utility of chest radiography for severe COVID-19. Quant. Imaging Med. Surg. 10, 1540–1550. https://doi.org/10.21037/QIMS-20-642

Inui, S., Gonoi, W., Kurokawa, R., Nakai, Y., Watanabe, Y., Sakurai, K., Ishida, M., Fujikawa, A., Abe, O., 2021. The role of chest imaging in the diagnosis, management, and monitoring of coronavirus disease 2019 (COVID-19). Insights Imaging 12, 1–14. https://doi.org/10.1186/s13244-021-01096-1

Jackson, C.B., Farzan, M., Chen, B., Choe, H., 2021. Mechanisms of SARS-CoV-2 entry into cells. Nat. Rev. Mol. Cell Biol. 1–18. https://doi.org/10.1038/s41580-021-00418-x

Joynt, G.M., Wu, W.K., 2020. Understanding COVID-19: what does viral RNA load really mean? Lancet Infect. Dis. 20, 635–636. https://doi.org/10.1016/S1473-3099(20)30237-1

Kanne, J.P., Bai, H., Bernheim, A., Chung, M., Haramati, L.B., Kallmes, D.F., Little, B.P., Rubin, G., Sverzellati, N., 2021. COVID-19 Imaging: What We Know Now and What Remains Unknown. Radiology 299, E262–E279. https://doi.org/10.1148/radiol.2021204522

UNIVERSITAS GADJAH MADA
KORELASI GAMBARAN RADIOGRAFI TORAKS PNEUMONIA COVID-19 MENURUT SKOR BRIXIA TERHADAP SYSTEM IMMUNE INFLAMMATION INDEKS
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Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

Kart Yaşar, K., Sezen, A.İ., 2022. Predictive role of NLR, SII, and PLR in COVID-19 patient mortality and disease severity. Curr. Med. Res. 3, 43–50. https://doi.org/10.47482/acmr.2022.47

Karyono, D.R., Wicaksana, A.L., 2020. Current prevalence, characteristics, and comorbidities of patients with COVID-19 in Indonesia. J. Community Empower. Heal. 3, 77. https://doi.org/10.22146/jcoemph.57325

Keni, R., Alexander, A., Nayak, P.G., Mudgal, J., Nandakumar, K., 2020. COVID-19: Emergence, Spread, Possible Treatments, and Global Burden. Front. Public Heal. 8, 216. https://doi.org/10.3389/fpubh.2020.00216

Klok, F.A., Kruip, M.J.H.A., van der Meer, N.J.M., Arbous, M.S., Gommers, D.A.M.P.J., Kant, K.M., Kaptein, F.H.J., van Paassen, J., Stals, M.A.M., Huisman, M. V, Endeman, H., 2020. Incidence of thrombotic complications in critically ill ICU patients with COVID-19. Thromb. Res. 191, 145–147. https://doi.org/10.1016/j.thromres.2020.04.013

Kumar, P.A., Hu, Y., Yamamoto, Y., Hoe, N.B., Wei, T.S., Mu, D., Sun, Y., Joo, L.S., Dagher, R., Zielonka, E.M., Wang, D.Y., Lim, B., Chow, V.T., Crum, C.P., Xian, W., McKeon, F., 2011. Distal airway stem cells yield alveoli in vitro and during lung regeneration following H1N1 influenza infection. Cell 147, 525–538. https://doi.org/10.1016/j.cell.2011.10.001

Li, G., Chen, X., Xu, A., 2003. Profile of Specific Antibodies to the SARS-Associated Coronavirus. N. Engl. J. Med. 349, 508–509. https://doi.org/10.1056/NEJM200307313490520

Li, H., Huang, J., Pan, W., Zhang, C., Chang, X., Yang, B., 2020. Systemic Immune-Inflammatory Index predicts prognosis of patients with COVID-19: a retrospective study. https://doi.org/10.21203/rs.3.rs-30701/v1

Liotta, E.M., Batra, A., Clark, J.R., Shlobin, N.A., Hoffman, S.C., Orban, Z.S., Koralnik, I.J., 2020. Frequent neurologic manifestations and encephalopathy-associated morbidity in Covid-19 patients. Ann. Clin. Transl. Neurol. 7, 2221–2230. https://doi.org/10.1002/acn3.51210

Litmanovich, D.E., Chung, M., Kirkbride, R.R., Kicska, G., Kanne, J.P., 2020. Review of Chest Radiograph Findings of COVID-19 Pneumonia and Suggested Reporting Language. J. Thorac. Imaging 35, 354–360. https://doi.org/10.1097/RTI.0000000000000541

Liu, J., Tang, X., Lei, C. (Eds.), 2021. Atlas of Chest Imaging in {COVID}-19 Patients. Springer Singapore. https://doi.org/10.1007/978-981-16-1082-0

Martínez Chamorro, E., Díez Tascón, A., Ibáñez Sanz, L., Ossaba Vélez, S., Borruel Nacenta, S., 2021. Radiologic diagnosis of patients with COVID-19. Radiologia 63, 56–73. https://doi.org/10.1016/j.rx.2020.11.001

Mason, R.J., 2020. Pathogenesis of COVID-19 from a cell biology perspective. Eur. Respir. J. 55, 9–11. https://doi.org/10.1183/13993003.00607-2020

Mcintosh, K., 2021. COVID-19: Clinical features. UpToDate.

Mehta, P., McAuley, D.F., Brown, M., Sanchez, E., Tattersall, R.S., Manson, J.J., 2020. COVID-19: consider cytokine storm syndromes and immunosuppression. Lancet (London, England). https://doi.org/10.1016/S0140-6736(20)30628-0

Merkler, A.E., Parikh, N.S., Mir, S., Gupta, A., Kamel, H., Lin, E., Lantos, J., Schenck, E.J., Goyal, P., Bruce, S.S., Kahan, J., Lansdale, K.N., LeMoss,

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N.M., Murthy, S.B., Stieg, P.E., Fink, M.E., Iadecola, C., Segal, A.Z., Cusick, M., Campion, T.R.J., Diaz, I., Zhang, C., Navi, B.B., 2020. Risk of Ischemic Stroke in Patients With Coronavirus Disease 2019 (COVID-19) vs Patients With Influenza. JAMA Neurol. 77, 1–7. https://doi.org/10.1001/jamaneurol.2020.2730

Meyer, B., Drosten, C., Müller, M.A., 2014. Serological assays for emerging coronaviruses: Challenges and pitfalls. Virus Res. 194, 175–183. https://doi.org/https://doi.org/10.1016/j.virusres.2014.03.018

Mudatsir, M., Fajar, J.K., Wulandari, L., Soegiarto, G., Ilmawan, M., Purnamasari, Y., Mahdi, B.A., Jayanto, G.D., Suhendra, S., Setianingsih, Y.A., Hamdani, R., Suseno, D.A., Agustina, K., Naim, H.Y., Muchlas, M., Alluza, H.H.D., Rosida, N.A., Mayasari, M., Mustofa, M., Hartono, A., Aditya, R., Prastiwi, F., Meku, F.X., Sitio, M., Azmy, A., Santoso, A.S., Nugroho, R.A., Gersom, C., Rabaan, A.A., Masyeni, S., Nainu, F., Wagner, A.L., Dhama, K., Harapan, H., 2020. Predictors of COVID-19 severity: a systematic review and meta-analysis. F1000Research 9, 1107. https://doi.org/10.12688/f1000research.26186.2

Muhammad, S., Fischer, I., Naderi, S., Jouibari, M.F., Abdolreza, S., Karimialavijeh, E., Aslzadeh, S., Mashayekhi, M., Zojaji, M., Kahlert, U.D., Hänggi, D., 2021. Systemic inflammatory index is a novel predictor of intubation requirement and mortality after SARS-CoV-2 infection. Pathogens 10, 1–9. https://doi.org/10.3390/pathogens10010058

Mukherjee, S., Pahan, K., 2021. Is COVID-19 Gender-sensitive? J. Neuroimmune Pharmacol.

Musuuza, J.S., Watson, L., Parmasad, V., Putman-Buehler, N., Christensen, L., Safdar, N., 2021. Prevalence and outcomes of co-infection and superinfection with SARS-CoV-2 and other pathogens: A systematic review and meta-analysis. PLoS One 16, e0251170. https://doi.org/10.1371/journal.pone.0251170

Nityanand, S., Pande, I., Bajpai, V.K., Singh, L., Chandra, M., Singh, B.N., 1993. Platelets in essential hypertension. Thromb. Res. 72, 447–454. https://doi.org/10.1016/0049-3848(93)90245-J

Özdemir, L., Polat, V., 2022. Association between systemic inflamatuary index and epicardial adipose tissue in patients with Type 2 Diabetes Mellitus. Cumhur. Med. J. 44, 62–66.

Pal, M., Berhanu, G., Desalegn, C., Kandi, V., 2020. Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV-2): An Update. Cureus 12, e7423–e7423. https://doi.org/10.7759/cureus.7423

Pang, N.Y.L., Pang, A.S.R., Chow, V.T., Wang, D.Y., 2021. Understanding neutralising antibodies against SARS-CoV-2 and their implications in clinical practice. Mil. Med. Res. 8, 1–17. https://doi.org/10.1186/s40779-021-00342-3

Petrilli, C.M., Jones, S.A., Yang, J., Rajagopalan, H., O'Donnell, L., Chernyak, Y., Tobin, K.A., Cerfolio, R.J., Francois, F., Horwitz, L.I., 2020. Factors associated with hospital admission and critical illness among 5279 people with coronavirus disease 2019 in New York City: prospective cohort study. BMJ 369, m1966. https://doi.org/10.1136/bmj.m1966

KORELASI GAMBARAN RADIOGRAFI TORAKS PNEUMONIA COVID-19 MENURUT SKOR BRIXIA TERHADAP SYSTEM IMMUNE INFLAMMATION INDEKS
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Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

Ponti, G., Maccaferri, M., Ruini, C., Tomasi, A., Ozben, T., 2020. Biomarkers associated with COVID-19 disease progression. Crit. Rev. Clin. Lab. Sci. 57, 389–399. https://doi.org/10.1080/10408363.2020.1770685

Public Health England, 2021. SARS-CoV-2 variants of concern and variants under investigation in England. Sage 1–50.

Qian, Z., Travanty, E.A., Oko, L., Edeen, K., Berglund, A., Wang, J., Ito, Y., Holmes, K. V., Mason, R.J., 2013. Innate immune response of human alveolar type II cells infected with severe acute respiratory syndrome-coronavirus. Am. J. Respir. Cell Mol. Biol. 48, 742–748. https://doi.org/10.1165/rcmb.2012-0339OC

Radiology Assistant, 2020. https://radiologyassistant.nl/chest/covid-19/ [WWW Document]. URL https://radiologyassistant.nl/chest/covid-19/

Restivo, D.A., Centonze, D., Alesina, A., Marchese-Ragona, R., 2020. Myasthenia Gravis Associated With SARS-CoV-2 Infection. Ann. Intern. Med. https://doi.org/10.7326/L20-0845

Revel, M.P., Parkar, A.P., Prosch, H., Silva, M., Sverzellati, N., Gleeson, F., Brady, A., 2020. COVID-19 patients and the radiology department – advice from the European Society of Radiology (ESR) and the European Society of Thoracic Imaging (ESTI). Eur. Radiol. 30, 4903–4909. https://doi.org/10.1007/s00330-020-06865-y

Rouchka, E.C., Chariker, J.H., Chung, D., 2020. Variant analysis of 1,040 SARS-CoV-2 genomes. PLoS One 15, 495–504. https://doi.org/10.1371/journal.pone.0241535

Rubin, G.D., Ryerson, C.J., Haramati, L.B., Sverzellati, N., Kanne, J.P., Raoof, S., Schluger, N.W., Volpi, A., Yim, J.-J., Martin, I.B.K., Anderson, D.J., Kong, C., Altes, T., Bush, A., Desai, S.R., Goldin, J., Goo, J.M., Humbert, M., Inoue, Y., Kauczor, H.-U., Luo, F., Mazzone, P.J., Prokop, M., Remy-Jardin, M., Richeldi, L., Schaefer-Prokop, C.M., Tomiyama, N., Wells, A.U., Leung, A.N., 2020. The Role of Chest Imaging in Patient Management During the COVID-19 Pandemic: A Multinational Consensus Statement From the Fleischner Society. Chest. https://doi.org/10.1016/j.chest.2020.04.003

Salman, E., Çelikbilek, N., Aydoğan, S., Özdem, B., Gökay, S., Kirca, F., Toyran, A., Salman, R.B., Dinç, B., 2021. Investigation of the relationship of systemic immune-inflammation index, C-Reactive protein and interleukin-6 with viral dynamics in patients with COVID-19. Mikrobiyol. Bul. 55, 539–552. https://doi.org/10.5578/mb.20219706

Samudra, R.R., Setyonaluri, D., 2020. Inequitable Impact of COVID-19 in Indonesia: Evidence and Policy Response. Unesco 1–32.

Sastroasmoro, S., Sofyan Ismael, 2011. Dasar-dasar Metodologi Penelitian Klinis, 4th ed. Sagung Seto, Jakarta.

Saylik, F., Sarıkaya, R., 2021. Can Systemic Immune-Inflammation Index Detect the Presence of Exxaggerated Morning Blood Pressure Surge in Newly Diagnosed Treatment-Naive Hypertensive Patients? Clin. Exp. Hypertens. 43, 772–779. https://doi.org/10.1080/10641963.2021.1960366

Schaefer-prokop, C., Prokop, M., 2021. Chest Radiography in COVID-19: No Role in Asymptomatic and Oligosymptomatic Disease. Radiology 298, E156–E157. https://doi.org/10.1148/radiol.2020204038

KORELASI GAMBARAN RADIOGRAFI TORAKS PNEUMONIA COVID-19 MENURUT SKOR BRIXIA TERHADAP SYSTEM IMMUNE INFLAMMATION INDEKS
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Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

Schoeman, D., Fielding, B.C., Arias-Reyes, C., Zubieta-DeUrioste, N., Poma-Machicao, L., Aliaga-Raduan, F., Carvajal-Rodriguez, F., Dutschmann, M., Schneider-Gasser, E.M., Zubieta-Calleja, G., Soliz, J., 2019. Coronavirus envelope protein: current knowledge. Virol. J. 16, 69. https://doi.org/10.1186/s12985-019-1182-0

Sela, S., Mazor, R., Amsalam, M., Yagil, C., Yagil, Y., Kristal, B., 2004. Primed polymorphonuclear leukocytes, oxidative stress, and inflammation antecede hypertension in the Sabra rat. Hypertension 44, 764–769. https://doi.org/10.1161/01.HYP.0000144480.10207.34

Shah, V.K., Firmal, P., Alam, A., Ganguly, D., Chattopadhyay, S., 2020. Overview of Immune Response During SARS-CoV-2 Infection: Lessons From the Past. Front. Immunol. 11, 1–17. https://doi.org/10.3389/fimmu.2020.01949

Shekapure, S., Pagar, N., Kulkarni, B., Choudhary, D., Parkhad, P., 2021. Predicting COVID-19 Pneumonia Severity based on Chest X-ray with Deep Learning. Int. J. Comput. Appl. 183, 9–11. https://doi.org/10.5120/ijca2021921353

Shojaee, S., Pourhoseingholi, M.A., Ashtari, S., Vahedian-Azimi, A., Asadzadeh-Aghdaei, H., Zali, M.R., 2020. Predicting the mortality due to Covid-19 by the next month for Italy, Iran and South Korea; a simulation study. Gastroenterol. Hepatol. from bed to bench 13, 177–179.

Siddiqi, H.K., Mehra, M.R., 2020. COVID-19 illness in native and immunosuppressed states: A clinical–therapeutic staging proposal. J. Hear. Lung Transplant. 39, 405–407. https://doi.org/10.1016/j.healun.2020.03.012

Sidiq, Z., Hanif, M., Dwivedi, K.K., Chopra, K.K., 2020. Benefits and limitations of serological assays in COVID-19 infection. Indian J. Tuberc. 67, S163–S166. https://doi.org/10.1016/j.ijtb.2020.07.034

Simpson, S., Kay, F.U., Abbara, S., Bhalla, S., Chung, J.H., Chung, M., Henry, T.S., Kanne, J.P., Kligerman, S., Ko, J.P., Litt, H., 2020. Radiological society of North America expert consensus document on reporting chest CT findings related to COVID-19: Endorsed by the society of thoracic radiology, the American college of radiology, and RSNA. Radiol. Cardiothorac. Imaging 2. https://doi.org/10.1148/ryct.2020200152

Sims, A.C., Baric, R.S., Yount, B., Burkett, S.E., Collins, P.L., Pickles, R.J., 2005. Severe acute respiratory syndrome coronavirus infection of human ciliated airway epithelia: role of ciliated cells in viral spread in the conducting airways of the lungs. J. Virol. 79, 15511–15524. https://doi.org/10.1128/JVI.79.24.15511-15524.2005

Siordia, J.A.J., 2020. Epidemiology and clinical features of COVID-19: A review of current literature. J. Clin. Virol. Off. Publ. Pan Am. Soc. Clin. Virol. 127, 104357. https://doi.org/10.1016/j.jcv.2020.104357

Soelistijo SA, Novida H, Rudijanto A, Soewondo P, Suastika K, Manaf A, et al., 2015. Konsensus pengelolaan dan pencegahan diabetes melitus tipe 2 di Indonesia 2015, Perkeni.

Stokes, E.K., Zambrano, L.D., Anderson, K.N., Marder, E.P., Raz, K.M., El Burai Felix, S., Tie, Y., Fullerton, K.E., 2020. Coronavirus Disease 2019 Case Surveillance - United States, January 22-May 30, 2020. MMWR. Morb. Mortal. Wkly. Rep. 69, 759–765. https://doi.org/10.15585/mmwr.mm6924e2

UNIVERSITAS
GADJAH MADA
KORELASI GAMBARAN RADIOGRAFI TORAKS PNEUMONIA COVID-19 MENURUT SKOR BRIXIA TERHADAP SYSTEM IMMUNE INFLAMMATION INDEKS
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Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

Struyf T, D.J.J.D.J.T.Y.D.C.L.M.M.G.S.R.H.L.E.D.D.S.D.J.H.S.R.A., den Bruel, A., 2020. Signs and symptoms to determine if a patient presenting in primary care or hospital outpatient settings has COVID-19 disease. Cochrane Database Syst. Rev. https://doi.org/10.1002/14651858.CD013665

Tahamtan, A., Ardebili, A., 2020. Real-time RT-PCR in COVID-19 detection: issues affecting the results. Expert Rev. Mol. Diagn. 20, 453–454. https://doi.org/10.1080/14737159.2020.1757437

Tan, W., Lu, Y., Zhang, J., Wang, J., Dan, Y., Tan, Z., He, X., Qian, C., Sun, Q., Hu, Q., Liu, H., Ye, S., Xiang, X., Zhou, Y., Zhang, W., Guo, Y., Wang, X.-H., He, W., Wan, X., Sun, F., Wei, Q., Chen, C., Pan, G., Xia, J., Mao, Q., Chen, Y., Deng, G., 2020. Viral Kinetics and Antibody Responses in Patients with COVID-19. medRxiv. https://doi.org/10.1101/2020.03.24.20042382

Tang, N.L.-S., Chan, P.K.-S., Wong, C.-K., To, K.-F., Wu, A.K.-L., Sung, Y.-M., Hui, D.S.-C., Sung, J.J.-Y., Lam, C.W.-K., 2005. Early enhanced expression of interferon-inducible protein-10 (CXCL-10) and other chemokines predicts adverse outcome in severe acute respiratory syndrome. Clin. Chem. 51, 2333–2340. https://doi.org/10.1373/clinchem.2005.054460

Tanni, F., Akker, E., Zaman, M.M., Figueroa, N., Tharian, B., Hupart, K.H., 2020. Eosinopenia and COVID-19. J. Am. Osteopath. Assoc. https://doi.org/10.7556/jaoa.2020.091

Taylor, E., Haven, K., Reed, P., Bissielo, A., Harvey, D., McArthur, C., Bringans, C., Freundlich, S., Ingram, R.J.H., Perry, D., Wilson, F., Milne, D., Modahl, L., Huang, Q.S., Gross, D., Widdowson, M.A., Grant, C.C., Alley, D., Baker, M.G., Bandaranayake, D., Davey, K., Duque, J., Lawrence, S., Mackereth, G., Pierse, N., Radke, S., Roberts, S., Seeds, R., Taylor, S., Thomas, P., Thompson, M., Trenholme, A., Turner, N., Webby, R., Williamson, D., Wong, C., Wood, T., 2015. A chest radiograph scoring system in patients with severe acute respiratory infection: A validation study. BMC Med. Imaging 15, 1–10. https://doi.org/10.1186/s12880-015-0103-y

To, K.K.W., Tsang, O.T.Y., Leung, W.S., Tam, A.R., Wu, T.C., Lung, D.C., Yip, C.C.Y., Cai, J.P., Chan, J.M.C., Chik, T.S.H., Lau, D.P.L., Choi, C.Y.C., Chen, L.L., Chan, W.M., Chan, K.H., Ip, J.D., Ng, A.C.K., Poon, R.W.S., Luo, C.T., Cheng, V.C.C., Chan, J.F.W., Hung, I.F.N., Chen, Z., Chen, H., Yuen, K.Y., 2020. Temporal profiles of viral load in posterior oropharyngeal saliva samples and serum antibody responses during infection by SARS-CoV-2: an observational cohort study. Lancet Infect. Dis. 20, 565–574. https://doi.org/10.1016/S1473-3099(20)30196-1

Trougakos, I.P., Stamatelopoulos, K., Terpos, E., Tsitsilonis, O.E., Aivalioti, E., Paraskevis, D., Kastritis, E., Pavlakis, G.N., Dimopoulos, M.A., 2021. Insights to SARS-CoV-2 life cycle, pathophysiology, and rationalized treatments that target COVID-19 clinical complications. J. Biomed. Sci. 28, 9. https://doi.org/10.1186/s12929-020-00703-5

Tsai, P.-H., Lai, W.-Y., Lin, Y.-Y., Luo, Y.-H., Lin, Y.-T., Chen, H.-K., Chen, Y.-M., Lai, Y.-C., Kuo, L.-C., Chen, S.-D., Chang, K.-J., Liu, C.-H., Chang, S.-C., Wang, F.-D., Yang, Y.-P., 2021. Clinical manifestation and disease progression in COVID-19 infection. J. Chinese Med. Assoc. 84.

Usul, E., San, I., Bekgöz, B., Sahin, A., 2020. Role of hematological parameters in

UNIVERSITAS
GADJAH MADA
KORELASI GAMBARAN RADIOGRAFI TORAKS PNEUMONIA COVID-19 MENURUT SKOR BRIXIA TERHADAP SYSTEM IMMUNE INFLAMMATION INDEKS
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Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

COVID-19 patients in the emergency room. Biomark. Med. 14, 1207–1215. https://doi.org/10.2217/bmm-2020-0317

Uzer, F., Uzer, B., Guven, F.K., Kirhan, I., Coplu, N., 2021. Chest radiography findings and hematological values: Early findings on COVID-19 patients from Turkey. J. Acute Dis. 10, 17. https://doi.org/10.4103/2221-6189.307390

Wang, D., Hu, B., Hu, C., Zhu, F., Liu, X., Zhang, J., Wang, B., Xiang, H., Cheng, Z., Xiong, Y., Zhao, Y., Li, Y., Wang, X., Peng, Z., 2020. Clinical Characteristics of 138 Hospitalized Patients With 2019 Novel Coronavirus–Infected Pneumonia in Wuhan, China. JAMA 323, 1061–1069. https://doi.org/10.1001/jama.2020.1585

Wang, L., Li, J., Guo, S., Xie, N., Yao, L., Cao, Y., Day, S.W., Howard, S.C., Graff, J.C., Gu, T., Ji, J., Gu, W., Sun, D., 2020. Real-time estimation and prediction of mortality caused by COVID-19 with patient information based algorithm. Sci. Total Environ. 727, 138394. https://doi.org/https://doi.org/10.1016/j.scitotenv.2020.138394

Warren, M.A., Zhao, Z., Koyama, T., Bastarache, J.A., Shaver, C.M., Semler, M.W., Rice, T.W., Matthay, M.A., Calfee, C.S., Ware, L.B., 2018. Severity scoring of lung oedema on the chest radiograph is associated with clinical outcomes in ARDS. Thorax 73, 840–846. https://doi.org/10.1136/thoraxjnl-2017-211280

WHO Regional Office For Europe, 2021. SARS-CoV-2 Delta variant now dominant in much of European region; efforts must be reinforced to prevent transmission, warns WHO Regional Office for Europe and ECDC [WWW Document]. URL https://www.euro.who.int/en/media-centre/sections/press-releases/2021/sars-cov-2-delta-variant-now-dominant-in-much-of-european-region-efforts-must-be-reinforced-to-prevent-transmission,-warns-who-regional-office-for-europe-and-ecdc (accessed 1.17.22).

Wölfel, R., Corman, V.M., Guggemos, W., Seilmaier, M., Zange, S., Müller, M.A., Niemeyer, D., Jones, T.C., Vollmar, P., Rothe, C., Hoelscher, M., Bleicker, T., Brünink, S., Schneider, J., Ehmann, R., Zwirglmaier, K., Drosten, C., Wendtner, C., 2020. Virological assessment of hospitalized patients with COVID-2019. Nature 581, 465–469. https://doi.org/10.1038/s41586-020-2196-x

World Health Organization, 2020a. SARS-CoV-2 antigen-detecting rapid diagnostic tests: an implementation guide, Country & Technical Guidance - Coronavirus disease (COVID-19).

World Health Organization, 2020b. Laboratory testing for coronavirus disease 2019 (COVID-19) in suspected human cases 1–7.

Wu, C., Chen, X., Cai, Y., Xia, J., Zhou, Xing, Xu, S., Huang, H., Zhang, L., Zhou, Xia, Du, C., Zhang, Y., Song, J., Wang, S., Chao, Y., Yang, Z., Xu, J., Zhou, Xin, Chen, D., Xiong, W., Xu, L., Zhou, F., Jiang, J., Bai, C., Zheng, J., Song, Y., 2020. Risk Factors Associated With Acute Respiratory Distress Syndrome and Death in Patients With Coronavirus Disease 2019 Pneumonia in Wuhan, China. JAMA Intern. Med. 180, 934–943. https://doi.org/10.1001/jamainternmed.2020.0994

Wu, J., Wu, X., Zeng, W., Guo, D., Fang, Z., Chen, L., Huang, H., Li, C., 2020. Chest CT Findings in Patients with Coronavirus Disease 2019 and Its

KORELASI GAMBARAN RADIOGRAFI TORAKS PNEUMONIA COVID-19 MENURUT SKOR BRIXIA TERHADAP SYSTEM IMMUNE INFLAMMATION INDEKS
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Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

Relationship with Clinical Features. Invest. Radiol. 55, 257–261. https://doi.org/10.1097/RLI.0000000000000670

Wu, J., Yan, L., Chai, K., 2021. Systemic immune- inflammation index is associated with disease activity in patients with ankylosing spondylitis. J. Clin. Lab. Anal.

Wu, Z., McGoogan, J.M., 2020. Characteristics of and Important Lessons from the Coronavirus Disease 2019 (COVID-19) Outbreak in China: Summary of a Report of 72314 Cases from the Chinese Center for Disease Control and Prevention. JAMA - J. Am. Med. Assoc. 323, 1239–1242. https://doi.org/10.1001/jama.2020.2648

Xu, B., Xing, Y., Peng, J., Zheng, Z., Tang, W., Sun, Y., Xu, C., Peng, F., 2020. Chest CT for Detecting COVID-19: A Systematic Review and Meta-Analysis of Diagnostic Accuracy. https://doi.org/10.21203/rs.3.rs-20481/v1

Xu, Z., Shi, L., Wang, Y., Zhang, J., Huang, L., Zhang, C., Liu, S., Zhao, P., Liu, H., Zhu, L., Tai, Y., Bai, C., Gao, T., Song, J., Xia, P., Dong, J., Zhao, J., Wang, F.-S., 2020. Pathological findings of COVID-19 associated with acute respiratory distress syndrome. Lancet Respir Med. 8, 420–22.

Ya'qoub, L., Elgendy, I.Y., Pepine, C.J., 2021. Sex and gender differences in COVID-19: More to be learned! Am. Hear. J. Plus Cardiol. Res. Pract. 3, 100011. https://doi.org/10.1016/j.ahjo.2021.100011

Yoon, S.H., Lee, K.H., Kim, J.Y., Lee, Y.K., Ko, H., Kim, K.H., Park, C.M., Kim, Y.H., 2020. Chest Radiographic and CT Findings of the 2019 Novel Coronavirus Disease (COVID-19): Analysis of Nine Patients Treated in Korea. Korean J. Radiol. 21, 494–500. https://doi.org/10.3348/kjr.2020.0132

Zayet, S., Kadiane-Oussou, N.J., Lepiller, Q., Zahra, H., Royer, P.-Y., Toko, L., Gendrin, V., Klopfenstein, T., 2020. Clinical features of COVID-19 and influenza: a comparative study on Nord Franche-Comte cluster. Microbes Infect. 22, 481–488. https://doi.org/10.1016/j.micinf.2020.05.016

Zeng, F., Huang, Y., Guo, Y., Yin, M., Chen, X., Xiao, L., Deng, G., 2020. Association of inflammatory markers with the severity of COVID-19: A meta-analysis. Int. J. Infect. Dis. 96, 467–474. https://doi.org/10.1016/j.ijid.2020.05.055

Zhang, Y., Wu, W., Du, M., Luo, W., Hou, W., Shi, Y., Cheng, L., Ji, B., Mei, J., Chen, F., Li, X., Xiang, H., Cao, Y., Xu, M., Chen, W., Wang, J., 2020. Neutrophil-to-Lymphocyte Ratio may Replace Chest Computed Tomography to Reflect the Degree of Lung Injury in Patients with Corona Virus Disease 2019 (COVID-19) 2019, 1–22.

Zhang, Y., Yin, Y., Kuai, S., Shan, Z., Pei, H., Wang, J., 2016. Combination of neutrophil to lymphocyte ratio and platelet to lymphocyte ratio as diagnostic biomarker for rheumatoid arthritis. Int. J. Clin. Exp. Med. 9, 22076–22081.

Zhavoronkov, A., 2020. Geroprotective and senoremediative strategies to reduce the comorbidity, infection rates, severity, and lethality in gerophilic and gerolavic infections. Aging (Albany. NY). 12, 6492–6510. https://doi.org/10.18632/AGING.102988

Zhou, P., Yang, X. Lou, Wang, X.G., Hu, B., Zhang, L., Zhang, W., Si, H.R., Zhu, Y., Li, B., Huang, C.L., Chen, H.D., Chen, J., Luo, Y., Guo, H., Jiang, R. Di, Liu, M.Q., Chen, Y., Shen, X.R., Wang, X., Zheng, X.S., Zhao, K., Chen, Q.J.,

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KORELASI GAMBARAN RADIOGRAFI TORAKS PNEUMONIA COVID-19 MENURUT SKOR BRIXIA TERHADAP SYSTEM IMMUNE INFLAMMATION INDEKS
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Universitas Gadjah Mada, 2022 | Diunduh dari http://etd.repository.ugm.ac.id/

Deng, F., Liu, L.L., Yan, B., Zhan, F.X., Wang, Y.Y., Xiao, G.F., Shi, Z.L., 2020. A pneumonia outbreak associated with a new coronavirus of probable bat origin. Nature 579, 270–273. https://doi.org/10.1038/s41586-020-2012-7