

## DAFTAR PUSTAKA

- Alvi, R. H., Rahman, M. H., Khan, A. A. S., & Rahman, R. M. (2021). Deep learning approach on tabular data to predict early-onset neonatal sepsis. *Journal of Information and Telecommunication*, 5(2), 226–246. <https://doi.org/10.1080/24751839.2020.1843121>
- Aznar-Gimeno, R., Esteban, L. M., Labata-Lezaun, G., Del-Hoyo-alonso, R., Abadia-Gallego, D., Paño-Pardo, J. R., Esquillor-Rodrigo, M. J., Lanás, Á., & Serrano, M. T. (2021). A clinical decision web to predict ICU admission or death for patients hospitalised with COVID-19 using machine learning algorithms. *International Journal of Environmental Research and Public Health*, 18(16). <https://doi.org/10.3390/ijerph18168677>
- Bloch, E., Rotem, T., Cohen, J., Singer, P., & Aperstein, Y. (2019). Machine Learning Models for Analysis of Vital Signs Dynamics: A Case for Sepsis Onset Prediction. *Journal of Healthcare Engineering*, 2019. <https://doi.org/10.1155/2019/5930379>
- Burdick, H., Pino, E., Gabel-Comeau, D., Gu, C., Roberts, J., Le, S., Slote, J., Saber, N., Pellegrini, E., Green-Saxena, A., Hoffman, J., & Das, R. (2020). Validation of a machine learning algorithm for early severe sepsis prediction: a retrospective study predicting severe sepsis up to 48 h in advance using a diverse dataset from 461 US hospitals. *BMC Medical Informatics and Decision Making*, 20(1), 1–10. <https://doi.org/10.1186/s12911-020-01284-x>
- Chang, D., Chang, D., & Pourhomayoun, M. (2019). Risk prediction of critical vital signs for ICU patients using recurrent neural network. *Proceedings - 6th Annual Conference on Computational Science and Computational Intelligence, CSCSI 2019, December 2019*, 1003–1006. <https://doi.org/10.1109/CSCSI49370.2019.00191>
- Cheng, F. Y., Joshi, H., Tandon, P., Freeman, R., Reich, D. L., Mazumdar, M., Kohli-seth, R., Levin, M., Timsina, P., & Kia, A. (2020). Using machine learning to predict ICU transfer in hospitalized COVID-19 patients. *Journal of Clinical Medicine*, 9(6). <https://doi.org/10.3390/jcm9061668>
- Giannini, H. M., Ginestra, J. C., Chivers, C., Draugelis, M., Hanish, A., Schweickert, W. D., Fuchs, B. D., Meadows, L., Lynch, M., Donnelly, P. J., Pavan, K., Fishman, N. O., Hanson, C. W., & Umscheid, C. A. (2019). A Machine Learning Algorithm to Predict Severe Sepsis and Septic Shock: Development, Implementation, and Impact on Clinical Practice. *Critical Care Medicine*, 47(11), 1485–1492. <https://doi.org/10.1097/CCM.0000000000003891>
- Hu, C. A., Chen, C. M., Fang, Y. C., Liang, S. J., Wang, H. C., Fang, W. F., Sheu, C. C., Perng, W. C., Yang, K. Y., Kao, K. C., Wu, C. L., Tsai, C. S., Lin, M. Y., & Chao, W. C. (2020). Using a machine learning approach to predict mortality in critically ill influenza patients: A cross-sectional retrospective multicentre study in Taiwan. *BMJ Open*, 10(2), 1–10. <https://doi.org/10.1136/bmjopen-2019-033898>
- Iskandar, A., & Siska, F. (2020). Analisis Hubungan Sequential Organ Failure Assessment (Sofa) Score Dengan Mortalitas Pasien Sepsis. *Jurnal Kesehatan Andalas*, 9(2), 168. <https://doi.org/10.25077/jka.v9i2.1221>
- Kim, J., Chae, M., Chang, H. J., Kim, Y. A., & Park, E. (2019). Predicting cardiac arrest and respiratory failure using feasible artificial intelligence with simple trajectories

- of patient data. *Journal of Clinical Medicine*, 8(9).  
<https://doi.org/10.3390/jcm8091336>
- Kim, S. Y., Kim, S., Cho, J., Kim, Y. S., Sol, I. S., Sung, Y., Cho, I., Park, M., Jang, H., Kim, Y. H., Kim, K. W., & Sohn, M. H. (2019). A deep learning model for real-time mortality prediction in critically ill children. *Critical Care*, 23(1), 1–10.  
<https://doi.org/10.1186/s13054-019-2561-z>
- Kobayashi, N., Shiga, T., Ikumi, S., Watanabe, K., Murakami, H., & Yamauchi, M. (2021). Semi-automated tracking of pain in critical care patients using artificial intelligence: a retrospective observational study. *Scientific Reports*, 11(1), 1–7.  
<https://doi.org/10.1038/s41598-021-84714-8>
- Kwon, J. M., Kim, K. H., Jeon, K. H., Lee, S. Y., Park, J., & Oh, B. H. (2020). Artificial intelligence algorithm for predicting cardiac arrest using electrocardiography. *Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine*, 28(1), 1–10. <https://doi.org/10.1186/s13049-020-00791-0>
- Kwon, Y. S., & Baek, M. S. (2020). Development and validation of a quick sepsis-related organ failure assessment-based machine-learning model for mortality prediction in patients with suspected infection in the emergency department. *Journal of Clinical Medicine*, 9(3), 1–10. <https://doi.org/10.3390/jcm9030875>
- Levi, R., Carli, F., Arévalo, A. R., Altinel, Y., Stein, D. J., Naldini, M. M., Grassi, F., Zanoni, A., Finkelstein, S., Vieira, S. M., Sousa, J., Barbieri, R., & Celi, L. A. (2021). Artificial intelligence-based prediction of transfusion in the intensive care unit in patients with gastrointestinal bleeding. *BMJ Health and Care Informatics*, 28(1), 1–8. <https://doi.org/10.1136/bmjhci-2020-100245>
- Li, K., Shi, Q., Liu, S., Xie, Y., & Liu, J. (2021). Predicting in-hospital mortality in ICU patients with sepsis using gradient boosting decision tree. *Medicine*, 100(19), e25813. <https://doi.org/10.1097/MD.00000000000025813>
- Lin, P. C., Chen, K. T., Chen, H. C., Islam, M. M., & Lin, M. C. (2021). Machine learning model to identify sepsis patients in the emergency department: Algorithm development and validation. *Journal of Personalized Medicine*, 11(11).  
<https://doi.org/10.3390/jpm11111055>
- Macias Toro, E., Boquet, G., Serrano, J., Lopez Vicario, J., Ibeas, J., & Morell, A. (2019). Novel Imputing Method and Deep Learning Techniques for Early Prediction of Sepsis in Intensive Care Units. *2019 Computing in Cardiology Conference (CinC)*, 45, 38–41. <https://doi.org/10.22489/cinc.2019.038>
- Masino, A. J., Harris, M. C., Forsyth, D., Ostapenko, S., Srinivasan, L., Bonafide, C. P., Balamuth, F., Schmatz, M., & Grundmeier, R. W. (2019). Machine learning models for early sepsis recognition in the neonatal intensive care unit using readily available electronic health record data. *PLoS ONE*, 14(2), 1–23.  
<https://doi.org/10.1371/journal.pone.0212665>
- McWilliams, C. J., Lawson, D. J., Santos-Rodriguez, R., Gilchrist, I. D., Champneys, A., Gould, T. H., Thomas, M. J., & Bourdeaux, C. P. (2019). Towards a decision support tool for intensive care discharge: Machine learning algorithm development using electronic healthcare data from MIMIC-III and Bristol, UK. *BMJ Open*, 9(3), 1–8. <https://doi.org/10.1136/bmjopen-2018-025925>
- Mora-Jiménez, I., Tarancón-Rey, J., Álvarez-Rodríguez, J., & Soguero-Ruiz, C. (2021).

- Artificial intelligence to get insights of multi-drug resistance risk factors during the first 48 hours from icu admission. *Antibiotics*, 10(3), 1–20.  
<https://doi.org/10.3390/antibiotics10030239>
- Oei, S. P., van Sloun, R. J., van der Ven, M., Korsten, H. H., & Mischi, M. (2021). Towards early sepsis detection from measurements at the general ward through deep learning. *Intelligence-Based Medicine*, 5, 100042.  
<https://doi.org/10.1016/j.ibmed.2021.100042>
- Pai, K. C., Wang, M. S., Chen, Y. F., Tseng, C. H., Liu, P. Y., Chen, L. C., Sheu, R. K., & Wu, C. L. (2021). An artificial intelligence approach to bloodstream infections prediction. *Journal of Clinical Medicine*, 10(13).  
<https://doi.org/10.3390/jcm10132901>
- Perng, J. W., Kao, I. H., Kung, C. Te, Hung, S. C., Lai, Y. H., & Su, C. M. (2019). Mortality prediction of septic patients in the emergency department based on machine learning. *Journal of Clinical Medicine*, 8(11).  
<https://doi.org/10.3390/jcm8111906>
- Podder, P., Khamparia, A., Rubaiyat Hossain Mondal, M., Rahman, M. A., & Bharati, S. (2021). Forecasting the Spread of COVID-19 and ICU Requirements. *International Journal of Online and Biomedical Engineering*, 17(5), 81–99.  
<https://doi.org/10.3991/ijoe.v17i05.20009>
- Qian, Q., Wu, J., Wang, J., Sun, H., & Yang, L. (2021). Prediction models for aki in icu: A comparative study. *International Journal of General Medicine*, 14, 623–632. <https://doi.org/10.2147/IJGM.S289671>
- Rosnati, M., & Fortuin, V. (2021). MGP-AttTCN: An interpretable machine learning model for the prediction of sepsis. *PLoS ONE*, 16(5 May), 1–21.  
<https://doi.org/10.1371/journal.pone.0251248>
- Sadasivuni, S., Saha, M., Bhatia, N., Banerjee, I., & Sanyal, A. (2021). Fusion of Fully Integrated Analog Machine Learning Classifier with Electronic Medical Records for Real-time Prediction of Sepsis Onset. *Scientific Reports*, 1–11.  
<https://doi.org/10.1038/s41598-022-09712-w>
- Selcuk, M., Koc, O., & Kestel, A. S. (2022). The prediction power of machine learning on estimating the sepsis mortality in the intensive care unit. *Informatics in Medicine Unlocked*, 28, 100861. <https://doi.org/10.1016/j.imu.2022.100861>
- Seymour, C. W., Gesten, F., Prescott, H. C., Friedrich, M. E., Iwashyna, T. J., Phillips, G. S., Lemeshow, S., Osborn, T., Terry, K. M., & Levy, M. M. (2017). Time to Treatment and Mortality during Mandated Emergency Care for Sepsis. *New England Journal of Medicine*, 376(23), 2235–2244.  
<https://doi.org/10.1056/nejmoa1703058>
- Su, L., Xu, Z., Chang, F., Ma, Y., Liu, S., Jiang, H., Wang, H., Li, D., Chen, H., Zhou, X., Hong, N., Zhu, W., & Long, Y. (2021). Early Prediction of Mortality, Severity, and Length of Stay in the Intensive Care Unit of Sepsis Patients Based on Sepsis 3.0 by Machine Learning Models. *Frontiers in Medicine*, 8(June), 1–8.  
<https://doi.org/10.3389/fmed.2021.664966>
- Tran, N. K., Albahra, S., Pham, T. N., Holmes, J. H., Greenhalgh, D., Palmieri, T. L., Wajda, J., & Rashidi, H. H. (2020). Novel application of an automated-machine learning development tool for predicting burn sepsis: proof of concept. *Scientific*

- Reports*, 10(1), 1–9. <https://doi.org/10.1038/s41598-020-69433-w>
- Wang, D., Li, J., Sun, Y., Ding, X., Zhang, X., Liu, S., Han, B., Wang, H., Duan, X., & Sun, T. (2021). A Machine Learning Model for Accurate Prediction of Sepsis in ICU Patients. *Frontiers in Public Health*, 9, 1–14. <https://doi.org/10.3389/fpubh.2021.754348>
- Wu, C., Milinovich, A., Shirley, R., Popovich, K., Kloos, J., Makii, J., Hewett, E., Dzigiel, M., & Snyder, R. (2022). *INTELLIGENT ALGORITHMS AND CLINICIANS DISPARITIES IN POST-ICU OUTCOMES*. 50(1), 2022.
- Zeng, Z., Yao, S., Zheng, J., & Gong, X. (2021). Development and validation of a novel blending machine learning model for hospital mortality prediction in ICU patients with Sepsis. *BioData Mining*, 14(1), 1–15. <https://doi.org/10.1186/s13040-021-00276-5>