

DAFTAR PUSTAKA

1. Danny SS. The Current Concept and Role of Intensive Cardiovascular Care Units. *Hear Sci J*. 2023;4(1):1–4.
2. Nandiwada S, Islam S, Jentzer JC, Miller PE, Fordyce CB, Lawler P, et al. The association between cardiac intensive care unit mechanical ventilation volumes and in-hospital mortality. *Eur Hear J Acute Cardiovasc Care*. 2021;10(7):797–805.
3. Fordyce CB, Katz JN, Alviar CL, Arslanian-Engoren C, Bohula EA, Geller BJ, et al. Prevention of Complications in the Cardiac Intensive Care Unit: A Scientific Statement From the American Heart Association. *Circulation*. Desember 2020;142(22):e379–406.
4. PERKI. PEDOMAN PELAYANAN KEDOKTERAN UNIT PERAWATAN INTENSIF KARDIOVASKULAR (ICCU/ICVCU). Perhimpun Dr Spes Kardiovask Indones. 2021;
5. Shahu A, Banna S, Applefeld W, Rampersad P, Alviar CL, Ali T, et al. Liberation From Mechanical Ventilation in the Cardiac Intensive Care Unit. *JACC Adv*. 2023;2(1):1–16.
6. Shorofsky M, Jayaraman D, Lellouche F, Husa R, Lipes J. Mechanical ventilation with high tidal volume and associated mortality in the cardiac intensive care unit. *Acute Card Care*. 2014;16(1):9–14.
7. Dyah C, Wungu K, Khaerunnisa S, Arum E, Putri C. Meta-analysis of cardiac markers for predictive factors on severity and mortality of COVID-19. *Int J Infect Dis*. 2020;(January).
8. Stewart S, Playford D, Scalia GM, Currie P, Celermajer DS, Prior D, et al. Ejection fraction and mortality: a nationwide register-based cohort study of 499 153 women and men. *Eur J Heart Fail*. 2021;23(3):406–16.
9. Jentzer JC, Bennett C, Wiley BM, Murphree DH, Keegan MT, Gajic O, et al. Predictive value of the Sequential Organ Failure Assessment score for mortality in a contemporary cardiac intensive care unit population. *J Am Heart Assoc*. 2018;7(6).
10. Liang J, Li Z, Dong H, Xu C. Prognostic factors associated with mortality in mechanically ventilated patients in the intensive care unit: A single-center, retrospective cohort study of 905 patients. *Medicine (Baltimore)*. 2019;98(42):e17592.
11. Mumtaz H, Saqib M, Khan W, Ismail S, Sohail H, Muneeb M, et al. Ventilator associated pneumonia in intensive care unit patients: a systematic review. *Ann Med Surg*. 2023;
12. Fernandez-Zamora MD, Gordillo-Brenes A, Banderas-Bravo E, Arboleda-Sánchez JA, Hinojosa-Pérez R, Aguilar-Alonso E, et al. Prolonged mechanical ventilation as a predictor of mortality after cardiac surgery. *Respir Care*. 2018;63(5):550–7.
13. Bazid Z, Ismaili N. Cardiac intensive care unit: where we are in 2023. *Front Cardiovasc Med*. 2023;(November):1–14.
14. Pham T, Brochard LJ, Slutsky AS. Mechanical Ventilation: State of the Art. *Mayo Clin Proc*.

2017;92(9):1382–400.

15. Hickey SM, Sankari A, Giwa AO. Mechanical Ventilation. StatPearls [Internet] Treasure Isl StatPearls Publ. 2024;
16. Carpio ALM, Mora JI. Ventilator Management. StatPearls. 2024;
17. World Health Organization. Clinical Criteria for the Determination of Death. 2017;(September).
18. Barr J, Downs B, Ferrel K, Talebian M, Robinson S, Kolodisner L, et al. Improving Outcomes in Mechanically Ventilated Adult ICU Patients Following Implementation of the ICU Liberation (ABCDEF) Bundle Across a Large Healthcare System. *cce J*. 2024;6(1).
19. Tadesse EE, Tilahun AD, Yesuf NN, Nimani TD, Mekuria TA. Mortality and its associated factors among mechanically ventilated adult patients in the intensive care units of referral hospitals in Northwest Amhara ,. *Front Med*. 2024;11:1–14.
20. Bohula EA, Katz JN, Diepen S Van, Alviar CL, Baird-zars VM, Park J gun, et al. Demographics, Care Patterns, and Outcomes of Patients Admitted to Cardiac Intensive Care Units The Critical Care Cardiology Trials Network Prospective North American Multicenter Registry of Cardiac Critical Illness. 2019;1–8.
21. Ma JG, Zhu B, Jiang L, Jiang Q, Xi XM. Gender- and age-based differences in outcomes of mechanically ventilated ICU patients: a Chinese multicentre retrospective study. *BMC Anesthesiol*. 2022;22(1):1–10.
22. Añon JM, Gómez-Tello V, González-Higueras E, Córcóles V, Quintana M, García de Lorenzo A, et al. Prognosis of elderly patients subjected to mechanical ventilation in the ICU. *Med Intensiva (English Ed)*. 2013;37(3):149–55.
23. Ismail AJ, Hassan WMNW, Nor MBM, Shukeri WFWM. The impact of age on mortality in the intensive care unit: a retrospective cohort study in Malaysia. *Acute Crit Care*. 2024;39(3):390.
24. Nuttall FQ. Body Mass Index: Obesity, BMI, and Health: A Critical Review. *Nutr Today*. Mei 2015;50(3):117–28.
25. Lim JU, Lee JH, Kim JS, Hwang Y Il, Kim T hyung, Yong S, et al. Comparison of World health Organization and Asia-Pacific body mass index classifications in COPD patients. *Int J COPD [Internet]*. 2017;12:2465–75. Tersedia pada: <http://www.ncbi.nlm.nih.gov/pubmed/28860741><http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=PMC5571887>
26. Lewis O, Ngwa J, Kibreab A, Phillpotts M, Thomas A, Mehari A. Body Mass Index and Intensive Care Unit Outcomes in African American Patients. *Ethn Dis*. 2017;27(2):161–8.
27. Ojo OA, Ibrahim HS, Rotimi DE, Ogunlakin AD, Ojo AB. Diabetes mellitus: From molecular mechanism to pathophysiology and pharmacology. *Med Nov Technol Devices*. 2023;19:100247.
28. Adie SK, Ketcham SW, Marshall VD, Farina N, Sukul D. The association of glucose control on in-hospital mortality in the cardiac intensive care unit. *J Diabetes Complications*. 2023;37(4):108453.
29. Darvishi-Khezri H, Alipour A, Zeydi AE, Firouzian A, Mahmudi G, Omrani-Nava M. Is type 2 diabetes

- mellitus in mechanically ventilated adult trauma patients potentially related to the occurrence of ventilator-associated pneumonia? *J Res Med Sci.* 2016;21(1):19.
30. Roedl K, Jarczack D, Thasler L, Bachmann M, Schulte F, Bein B, et al. Mechanical ventilation and mortality among 223 critically ill patients with coronavirus disease 2019: A multicentric study in Germany. *Aust Crit care Off J Confed Aust Crit Care Nurses.* Maret 2021;34(2):167–75.
 31. Khanna AK, Kinoshita T, Natarajan A, Schwager E, Linn DD, Dong J, et al. Association of systolic, diastolic, mean, and pulse pressure with morbidity and mortality in septic ICU patients: a nationwide observational study. *Ann Intensive Care.* 2023;13(1):9.
 32. de Almeida-Pititto B, Dualib PM, Zajdenverg L, Dantas JR, de Souza FD, Rodacki M, et al. Severity and mortality of COVID 19 in patients with diabetes, hypertension and cardiovascular disease: a meta-analysis. *Diabetol Metab Syndr.* 2020;12:1–12.
 33. Masenga SK, Kirabo A. Hypertensive heart disease: risk factors, complications and mechanisms. *Front Cardiovasc Med.* 2023;10:1205475.
 34. Vemuri S V, Rolfsen ML, Sykes A V, Takiar PG, Leonard AJ, Malhotra A, et al. Association Between Acute Kidney Injury During Invasive Mechanical Ventilation and ICU Outcomes and Respiratory System Mechanics. *Crit care Explor.* Juli 2022;4(7):e0720.
 35. Chen CM, Lai CC, Cheng KC, Weng SF, Liu WL, Shen HN. Effect of end-stage renal disease on long-term survival after a first-ever mechanical ventilation: a population-based study. *Crit Care.* Oktober 2015;19:354.
 36. Ansari MI, Umair M, Taimoor L, Memon AUR, Abubaker Z, Arif MS, et al. Mechanical ventilation in acute myocardial infarction: Outcomes from a prospective audit at a cardiovascular hospital in Pakistan. *PLoS One.* 2023;18(8 AUGUST):1–18.
 37. Ehtesham M, Khan A, Riasat M, Shabbir MA. Atrial Fibrillation and Supraventricular Tachycardia Are Predictors of Inpatient Mortality in Mechanically Ventilated Patients in the United States. *Circulation.* 2022;146(Suppl_1):A9997–A9997.
 38. Zakynthinos GE, Tsolaki V, Xanthopoulos A, Karavidas N, Vazgiourakis V, Bardaka F, et al. Prevalence, Risk Factors, and Mortality of New-Onset Atrial Fibrillation in Mechanically Ventilated Critically Ill Patients. *J Clin Med.* 2024;13(22):6750.
 39. Parhar K, Millar V, Zochios V, Bruton E, Jaworski C, West N, et al. Clinical outcomes of patients undergoing primary percutaneous coronary intervention for acute myocardial infarction requiring the intensive care unit. *J Intensive Care.* 2018;6(1):1–10.
 40. Légaré JF, Hirsch GM, Buth KJ, MacDougall C, Sullivan JA. Preoperative prediction of prolonged mechanical ventilation following coronary artery bypass grafting. *Eur J Cardio-thoracic Surg.* 2001;20(5):930–6.
 41. Shirzad M, Karimi A, Ahmadi SH, Marzban M, Tazik M, Aramin H. Predictors and early outcome of prolonged mechanical ventilation in contemporary heart valve surgery. *Monaldi Arch Chest Dis.* 2010;74(1).

42. Sandoval Y, Nowak R, deFilippi CR, Christenson RH, Peacock WF, McCord J, Limkakeng AT, Sexter A, Apple FS. Myocardial infarction risk stratification with a single measurement of high-sensitivity troponin I. *Journal of the American College of Cardiology*. 2019 Jul 23;74(3):271-82.
43. Velho TR, Pereira RM, Paixao T, Guerra NC, Ferreira R, Corte-Real H, et al. Sequential Organ Failure Assessment Score in the ICU As a Predictor of Long-Term Survival After Cardiac Surgery. *Crit Care Explor*. (4).
44. Rahmalia S, Damanik H, Utami GT, Nurcahyati S. Organ failure of patients using ventilator based on the sequence organ failure assessment score (SOFA) admitted in Intensive Care Unit &. 2019;29.
45. Nair R, Bhandary NM, D'Souza AD. Initial Sequential Organ Failure Assessment score versus Simplified Acute Physiology score to analyze multiple organ dysfunction in infectious diseases in Intensive Care Unit. *Indian J Crit Care Med*. 2016;20(4):210–5.
46. El-shahat H, Salama S, Wafy S, Bayoumi H. Risk factors for hospital mortality among mechanically ventilated patients in respiratory ICU. *Egypt J Bronchol*. 2015;9:231–7.
47. Syarifah AG, Helmi M. Gambaran mortalitas pasien ICU dengan ventilator mekanik di RS Royal Taruma Jakarta. *Tarumanagara Med J*. 2025;7(2):206–14.
48. Cao M, Liufu R, Wang B, Pan W, Chen H, Su L, et al. Population - wise incidence and outcomes of patients requiring invasive and non - invasive mechanical ventilation in China : a nationwide retrospective analysis by age , sex , and comorbidity. *Ann Intensive Care*. 2025;15:120.
49. Dismiantoni N, Sari FE, Irianto TD, Sari N. Analysis of Risk Factors for Covid - 19 Patients Using Mechanical Ventilation at Abdul Moeloek Hospital , Lampung in 2021. *J Prof Heal*. 2025;6(2):398–409.
50. Tian X, Zheng M, Zhuo S, Zheng B. The association between mechanical ventilation and in-hospital mortality in cardiac intensive care units : A propensity score-matched cohort study. *Clinics*. 2025;80.
51. Othman F. Influence of Body Mass Index on the Duration of Mechanical Ventilation Among Patients Who Were Involved in Road Traffic Accidents. *Respir Care*. 2019;64(10):3225259.
52. Girm T, Akinwale D, Ramirez C, Almaguer A, Said MZM, Emeaba N, et al. impact of BMI on mortality, mechanical ventilation, and length of stay in covid-19 patients. *Crit Care Med*. 2023;51(1):184.
53. Aziz F. Prognostic value of troponin i & probrian natriuretic peptide in patients with sever sepsis: A closed unit experience. *J Mol Biomark Diagn*. 2011;2(4):9929.
54. Giustino G, Pinney SP, Lala A, Reddy VY, Johnston-cox HA, Mechanick JI, et al. Coronavirus and Cardiovascular Disease, Myocardial Injury, and Arrhythmia. *J Am Coll Cardiol*. 2020;76(17).
55. Zhong S, Yang H, Zhao Z. Mortality rate analysis of patients on invasive mechanical ventilation in the intensive care unit on day 28. *Biomed Reports*. 2024;21(140).
56. Siahaan BJ, Hasan R, Sitepu A. Mayo Cardiac Intensive Care Unit Admission Risk Score (M-CARS) Validation Test to Assess Mortality During Treatment in Cardiovascular Care Unit (CVCU) Patients at Haji Adam Malik Hospital. *Indones J Cardiol*. 2022;43(IV):137–43.

57. Ayenew T, Gedfew M, Fetene MG, Workneh S, Telayneh AT, Edmealem A. Prevalence of mortality among mechanically ventilated patients in the intensive care units of Ethiopian hospitals and the associated factors : A systematic review and meta- analysis. PLoS One [Internet]. 2024;19(7):1–18. Tersedia pada: <http://dx.doi.org/10.1371/journal.pone.0306277>
58. Luo J, Zhang C, Deng R, Liu L, He C, Zhang R, et al. Neurotherapeutics Risk factors for prolonged mechanical ventilation in critically ill patients with ischemic stroke. Neurotherapeutics [Internet]. 2025;(June):e00764. Tersedia pada: <https://doi.org/10.1016/j.neurot.2025.e00764>
59. Yulianti S. The Relationship Between Duration of Mechanical Ventilator Use and Mortality in the Intensive Care Unit (ICU) at PMI Hospital Bogor in 2023. West Scinece Interdiscip Stud. 2023;1(01):54–60.
60. Sansone GR, Frengley JD, Vecchione JJ, Manogaram MG, Kaner RJ. Relationship of the Duration of Ventilator Support to Successful Weaning and Other Clinical Outcomes in 437 Prolonged Mechanical Ventilation Patients. J Intensive Care Med. 2016;1–9.
61. Giannasi SE, Venuti MS, Midley AD, Roux N, Kecskes C, Román ES. Mortality risk factors in elderly patients in intensive care without limitation of therapeutic effort &. Med Intensiva. 2018;42(8):482–9.
62. García-Marína AF, Vargas-Ordóñez MP, Gómez-Martínez JD, Gempeler-Rojas A, Chica-Yantén J. Clinical characteristics and mortality in mechanically ventilated COVID-19 patients : prospective cohort study. Colomb J Anesthesiol. 2024;52:1–11.
63. Oliveira JPA de, Costa ACT, Lopes AJ, Ferreira A de S, Fonseca LF da, Reis. Factors associated with mortality in mechanically ventilated patients with severe acute respiratory syndrome due to COVID-19 evolution. Crit Care Sci. 2023;35(1):19–30.
64. Sivarajah J, Toolis M, Seminoff S, Smith J, Bhalla V, Paul E, et al. Prognostic value of high - sensitivity cardiac troponin in non - cardiac surgical patients in intensive care units. Intern Emerg Med [Internet]. 2024;19(1):201–9. Tersedia pada: <https://doi.org/10.1007/s11739-023-03509-z>
65. Gajardo AIJ, Steinert SF, Jiménez JV, Araya SH, Carvajal TK, Rojas JR, et al. Early high - sensitivity troponin elevation and short - term mortality in sepsis : a systematic review with meta - analysis. Crit Care [Internet]. 2025; Tersedia pada: <https://doi.org/10.1186/s13054-025-05249-2>
66. Lnu M, Muqtadir J, Begum I, Batool I, Bhatti S, Khan S. Cardiac Troponin I as a Prognostic Indicator of Mortality in Patients With Sepsis and Organ Dysfunction. Cureus. 2026;18(1):1–14.
67. Patel U, Malik P, Usman MS, Mehta D, Sharma A, Malik FA. Age-Adjusted Risk Factors Associated with Mortality and Mechanical Ventilation Utilization Amongst COVID-19 Hospitalizations — a Systematic Review and Meta-Analysis. SN Compr Clin Med. 2020;2:1740–9.
68. Meng J, Xiao G, Zhang J, He X, Ou M, Bi J, et al. Renin-angiotensin system inhibitors improve the clinical outcomes of COVID-19 patients with hypertension. Emerg Microbes Infect. 2020;9(1):757–60.