

## DAFTAR PUSTAKA

- Adly, A., Youssef, T. A., El-Begermy, M. M., & Younis, H. M. (2018). Timing of tracheostomy in patients with prolonged endotracheal intubation: A systematic review. *European Archives of Oto-Rhino-Laryngology*, 275(3), 679-690.
- Afenigus, A. D., Mulugeta, H., Bewuket, B., Ayenew, T., Getnet, A., Akalu, T. Y., Alamneh, Y. M., & Tsehay, B. (2021). Skill of suctioning adult patients with an artificial airway and associated factors among nurses working in intensive care units of Amhara region, public hospitals, Ethiopia. *International Journal of Africa Nursing Sciences*, 14, 100299. <https://doi.org/10.1016/j.ijans.2021.100299>
- Alidad, A., Aghaz, A., Hemmati, E., Jadidi, H., & Aghazadeh, K. (2019). Prevalence of tracheostomy and its indications in Iran: A systematic review and meta-analysis. *Tanaffos*, 18(4), 285-293.
- Álvarez-Lerma, F., Palomar-Martínez, M., Sánchez-García, M., Martínez-Alonso, M., Álvarez-Rodríguez, J., Lorente, L., Arias-Rivera, S., García, R., Gordo, F., Añón, J. M., Jam-Gatell, R., Vázquez-Calatayud, M., & Agra, Y. (2018). Prevention of ventilator-associated pneumonia: The multimodal approach of the Spanish ICU “pneumonia zero” program. *Critical Care Medicine*, 46(2), 181–188. <https://doi.org/10.1097/CCM.0000000000002736>
- American Association for Respiratory Care. (2010). AARC Clinical Practice Guidelines. Endotracheal suctioning of mechanically ventilated patients with artificial airways 2010. *Respiratory Care*, 55(6), 758-764.
- Ardehali, S. H., Fatemi, A., Rezaei, S. F., Forouzanfar, M. M., & Zolghadr, Z. (2020). The effects of open and closed suction methods on occurrence of ventilator-associated pneumonia; a comparative study. *Archives of Academic Emergency Medicine*, 8(1), e8. <https://doi.org/10.22037/aaem.v8i1.411>
- Ban, K. O. (2011). The effectiveness of an evidence-based nursing care program to reduce ventilator-associated pneumonia in a Korean ICU. *Intensive and Critical Care Nursing*, 27(4), 226–232. <https://doi.org/10.1016/j.iccn.2011.04.001>
- Bonell, A., Azarrafiy, R., Huong, V. T. L., Viet, T. L., Phu, V. D., Dat, V. Q., Wertheim, H., van Doorn, H. R., Lewycka, S., & Nadjm, B. (2019). A systematic review and meta-analysis of ventilator-associated pneumonia in adults in Asia: An analysis of national income level on incidence and etiology. *Clinical Infectious Diseases*, 68, 511–518.

- CDC. (2014). Healthcare-Associated Pneumonia Infections (HAIs). Center for Disease Control and Prevention. Retrieved from <https://www.cdc.gov/hai/data/index.html>
- Chen, W., Hu, S., Liu, X., Wang, N., Zhao, J., Liu, P., Chen, K., & Hu, J. (2021). Intensive care nurses' knowledge and practice of evidence-based recommendations for endotracheal suctioning: A multisite cross-sectional study in Changsha, China. *BMC Nursing*, 20(1), 1–12. <https://doi.org/10.1186/s12912-021-00715-y>
- Coelho, L., Moniz, P., Guerreiro, G., & Póvoa, P. (2023). Airway and respiratory devices in the prevention of ventilator-associated pneumonia. *Medicina*, 59(199). <https://doi.org/10.3390/medicina59020199>
- Cui, J. B., Chen, Q. Q., Liu, T. T., & Li, S. J. (2018). Risk factors for early-onset ventilator-associated pneumonia in aneurysmal subarachnoid hemorrhage patients. *Brazilian Journal of Medical and Biological Research*, 51, e6830. <https://doi.org/10.1590/1414-431x20176830>
- Donaldson, L., & Raper, R. (2019). Successful emergency management of a bleeding tracheoinnominate fistula. *BMJ Case Reports*, 12(12).
- Elmansoury, A., & Said, H. (2017). Closed suction system versus open suction. *Egyptian Journal of Chest Diseases and Tuberculosis*, 66(3), 509–515. <https://doi.org/10.1016/j.ejcdt.2016.08.001>
- Faradita Aryani, D., & Tanner, J. (2018). Does open or closed endotracheal suction affect the incidence of ventilator-associated pneumonia in the intensive care unit? A systematic review. *Enfermeria Clinica*, 28, 325–331. [https://doi.org/10.1016/S1130-8621\(18\)30179-7](https://doi.org/10.1016/S1130-8621(18)30179-7)
- Feng, D. Y., Zhou, Y. Q., Zhou, M., Zou, X. L., Wang, Y. H., & Zhang, T. T. (2019). Risk factors for mortality due to ventilator-associated pneumonia in a Chinese hospital: A retrospective study. *Medical Science Monitor*, 25, 7660–7665. <https://doi.org/10.12659/MSM.916356>
- Fernando, S. M., Tran, A., Cheng, W., Walley, K. R., Burns, K. E. A., English, S. W., ... & Lamontagne, F. (2020). Diagnosis of ventilator-associated pneumonia in critically ill adult patients—a systematic review and meta-analysis. *Intensive Care Medicine*, 46(6), 1170–1179. <https://doi.org/10.1007/s00134-020-06036-z>
- Gatell, M. R. J., Santé Roig, M., Hernández Vian, Ó., Carrillo Santín, E., Turégano Duaso, C., Fernández Moreno, I., & Vallés Daunis, J. (2012). Assessment of a training programme for the prevention of ventilator-associated pneumonia. *Nursing in Critical Care*, 17(6), 285–292. <https://doi.org/10.1111/j.1478-5153.2012.00526.x>
- Gunasekera, A., & Gratrix, A. (2016). Ventilator-associated pneumonia. *BJA Education*, 16(6), 198–202. <https://doi.org/10.1093/bjaed/mkv046>

- Haddadin, Y., Annamaraju, P., & Regunath, H. (2024). Central Line–Associated Bloodstream Infections. In *StatPearls*. StatPearls Publishing. <https://www.ncbi.nlm.nih.gov/books/NBK430891/>
- Indrisari, A. R., & Al-haq, M. M. (2024). Mortality risk factors and the ventilator-associated pneumonia (VAP) in the ICU of a tertiary hospital in Indonesia. *APIC*, 28(April), 206–213. <https://doi.org/10.35975/apic.v28i2.2324>
- Jain, V., Vashisht, R., Yilmaz, G., & Bhardwaj, A. (2023). Pneumonia pathology. In *StatPearls*. StatPearls Publishing.
- Kementerian Kesehatan Republik Indonesia. (2022, June 20). Endotrakeal suctioning. Kementerian Kesehatan Republik Indonesia. Retrieved May 7, 2024, from [https://yankes.kemkes.go.id/view\\_artikel/48/endotrakeal-suctioning](https://yankes.kemkes.go.id/view_artikel/48/endotrakeal-suctioning)
- Kementerian Kesehatan Republik Indonesia. (2021). Profil kesehatan Indonesia 2021. In *Pusdatin Kemenkes*. Kementerian Kesehatan Republik Indonesia.
- Koenig, S. M., & Truwit, J. D. (2006). Ventilator-associated pneumonia: Diagnosis, treatment, and prevention. *Clinical Microbiology Reviews*, 19(4), 637–657. <https://doi.org/10.1128/CMR.00051-05>
- Kohbodi, G. N. A., Rajasurya, V., & Noor, A. (2024). Ventilator-associated pneumonia. In *StatPearls*. StatPearls Publishing. <https://www.ncbi.nlm.nih.gov/books/NBK507711/>
- Koulenti, D., Tsigou, E., & Rello, J. (2017). Nosocomial pneumonia in 27 ICUs in Europe: Perspectives from the EU-VAP/CAP study. *European Journal of Clinical Microbiology and Infectious Diseases*, 36(11), 1999–2006. <https://doi.org/10.1007/s10096-016-2703-z>
- Letchford, E., & Bench, S. (2018). Ventilator-associated pneumonia and suction: A review of the literature. *British Journal of Nursing*, 27(1), 13–18. <https://doi.org/10.12968/bjon.2018.27.1.13>
- Liu, W., Yang, Y., Jiao, Y., Zhang, K., Hai, Y., Li, H., Xing, H., Xu, B., Bai, H., Zhao, Y., Bao, H., Zhang, S., Ren, W., Yang, L., Yang, H., & Tian, J. (2020). Evaluation of the effects of applying the ventricular care bundle (VCB) method for reducing ventilator-associated pneumonia (VAP) in the intensive care unit of a general Chinese tertiary hospital. *Annals of Cardiothoracic Surgery*, 9(5), 2853–2861. <https://doi.org/10.21037/apm-20-289>
- Mastrogianni, M., Katsoulas, T., Galanis, P., Korompeli, A., & Myrianthefs, P. (2023). The impact of care bundles on ventilator-associated pneumonia (VAP) prevention in adult ICUs: A systematic review. *Antibiotics*, 12(2). <https://doi.org/10.3390/antibiotics12020227>

- Mogyoródi, B., Dunai, E., Gál, J., & Iványi, Z. (2016). Ventilator-associated pneumonia and the importance of education of ICU nurses on prevention - Preliminary results. *Interventional Medicine and Applied Science*, 8(4), 147–151. <https://doi.org/10.1556/1646.8.2016.4.9>
- Monegro, A. F., Muppidi, V., & Regunath, H. (2024). Hospital-acquired infections. In *StatPearls*. StatPearls Publishing. <https://www.ncbi.nlm.nih.gov/books/NBK441857/>
- Murugesan, N., Natesan, G., & John William Felix, A. (2022). A study to assess the compliance on hand hygiene during bundle of care interventions among healthcare professionals working in ICU of a tertiary care hospital. *Indian Journal of Critical Care Medicine*, 26(9), 1006–1010. <https://doi.org/10.5005/jp-journals-10071-24293>
- National Health Services UK. (2022). Guideline for adult endotracheal suction in critical care. In *Department of Critical Care*. Retrieved May 7, 2024, from <https://www.bsuh.nhs.uk/library/wp-content/uploads/sites/8/2022/08/Endotracheal-suction-2022.pdf>
- Nency, C., & Fauzia, A. (2015). Gambaran kejadian ventilator-associated pneumonia pada pasien yang dirawat di ICU dan CVCU RSUD Arifin Achmad periode Januari 2013 s/d Agustus 2014. *Jurnal Online Mahasiswa Fakultas Kedokteran Universitas Riau*, 2(2), 1-9.
- Overend, T. J., Anderson, C. M., Brooks, D., Cicutto, L., Keim, M., McAuslan, D., & Nonoyama, M. (2009). Updating the evidence base for suctioning adult patients: A systematic review. *Canadian Respiratory Journal*, 16(3). <https://doi.org/10.1155/2009/872921>
- Ozden, D., & Gorgulu, S. R. (2012). Development of standard practice guidelines for open and closed system suctioning. *Journal of Clinical Nursing*, 21(9-10), 1327–1338. <https://doi.org/10.1111/j.1365-2702.2011.03997.x>
- Papazian, L., Klompas, M., & Luyt, C. E. (2020). Ventilator-associated pneumonia in adults: A narrative review. *Intensive Care Medicine*, 46(5), 888-906. <https://doi.org/10.1177/1078155220939999>
- Pasrija, D., & Hall, C. A. (2020). Airway Suctioning. In *StatPearls*. Retrieved from <https://www.ncbi.nlm.nih.gov/books/NBK557386/>
- Pemprov Lampung, D. K. (2020). *Profil Kesehatan Provinsi Lampung Tahun 2020*.
- Perry, A. G., Potter, P. A., & Ostendorf, W. R. (2016). *Fundamentals of nursing* (10th ed.). Elsevier.
- Pinto, H. J., D'silva, F., & Sanil, T. S. (2020). Knowledge and Practices of Endotracheal Suctioning amongst Nursing Professionals: A Systematic Review. *Indian Journal of Critical Care Medicine*, 24(1), 23-32. <https://doi.org/10.5005/jp-journals-10071-23326>

- Raimonde, A. J., Westhoven, N., & Winters, R. (2023). Tracheostomy. In *StatPearls*. Retrieved from <https://www.ncbi.nlm.nih.gov/books/NBK559124/>
- Sanaie, S., Rahnemayan, S., Javan, S., Shadvar, K., Saghaleini, S. H., & Mahmoodpoor, A. (2022). Comparison of Closed vs Open Suction in Prevention of Ventilator-associated Pneumonia: A Systematic Review and Meta-analysis. *Indian Journal of Critical Care Medicine*, 26(7), 839-845. <https://doi.org/10.5005/jp-journals-10071-24252>
- Santos, E. C. W., Barilli, S., Zigiotta, C., Carmona, S., & Lippert, R. (2020). Efficacy of a Bundle for Prevention of Ventilator Associated Pneumonia in an Adult Intensive Care Unit. *European Respiratory Journal*, 56(suppl 64), 2021. <https://doi.org/10.1183/13993003.congress-2020.2021>
- Saadah, S. (2019). Knowledge of Guideline VAP Bundle Improves Nurse Compliance Levels in Preventing Associated Pneumonia (VAP) Ventilation in the Intensive Care Unit. *Media Keperawatan Indonesia*, 2(3), 113. <https://doi.org/10.26714/mki.2.3.2019.113-120>
- Saragih, R. J., Amin, Z., Sedono, R., Pitoyo, C. W., & Rumende, C. M. (2014). Prediktor Mortalitas Pasien dengan Ventilator-Associated Pneumonia di RS Cipto Mangunkusumo. *Jurnal Kesehatan Indonesia*, 2(2), 77-84. <https://doi.org/10.23886/ejki.2.4011>
- Szakmany, T., Russell, P., Wilkes, A. R., & Hall, J. E. (2015). Effect of early tracheostomy on resource utilization and clinical outcomes in critically ill patients: meta-analysis of randomized controlled trials. *British Journal of Anaesthesia*, 114(3), 396-405. <https://doi.org/10.1093/bja/aeu411>
- Toni, R., Della Casa, C., Mosca, S., Malaguti, A., Castorina, S., & Roti, E. (2003). Anthropological variations in the anatomy of the human thyroid arteries. *Thyroid*, 13(2), 183-192. <https://doi.org/10.1089/105072503321086191>
- Vazquez Guillamet, C., & Kollef, M. H. (2018). Is zero ventilator-associated pneumonia achievable? practical approaches to ventilator-associated pneumonia prevention. *Clinics in Chest Medicine*, 39(4), 809-822. <https://doi.org/10.1016/j.ccm.2018.08.004>
- Wu, D., Wu, C., Zhang, S., & Zhong, Y. (2019). Risk Factors of Ventilator-Associated Pneumonia in Critically Ill Patients. *Frontiers in Pharmacology*, 10, 482. <https://doi.org/10.3389/fphar.2019.00482>