

DAFTAR PUSTAKA

- Ahmed, A., Hassan, M., & Elshafie, M. (2024). Oxygen therapy and respiratory support in patients with pleural effusion. *Respiratory Medicine and Research*, 86, 101–109.
- Aini, N., Setiawan, H., & Prasetyo, A. (2022). Effectiveness of Semi-Fowler Position on Oxygen Saturation in Patients with Respiratory Disorders. *Jurnal Keperawatan Indonesia*, 25(3), 187–194.
- Alderson, J. C., & Wall, R. (1992). *Chest Drainage Systems*. Butterworth.
- Anderson, D., Chen, S. A., Godoy, L. A., Brown, L. M., & Cooke, D. T. (2024). Comprehensive review of chest tube management. *JAMA Surgery*. https://jamanetwork.com/journals/jamasurgery/fullarticle/2788397?utm_source=chatgpt.com
- Anderson, M., Good, J. M., Kashuk, J. L., Haut, E. R., & et al. (2021). Management of Simple and Retained Hemothorax: A Practice Management Guideline From the Eastern Association for the Surgery of Trauma. *Journal of Trauma and Acute Care Surgery*, 90(5), 839–844.
- Barnes, P. J. (2022). *Respiratory Diseases and Tobacco Smoking* (2nd edn). Academic Press.
- Bernard, A., & Van Schaik, E. (2019). *Chest Drain Management: A Clinical Guide*. CRC Press.
- Bintcliffe, O., Maskell, N., & Lee, Y. C. G. (2023). Management of pleural effusion and advances in pleural interventions. *Lancet Respiratory Medicine*, 11(5), 455–468.
- Black, J. M., & Hawks, J. H. (2019). *Medical-Surgical Nursing: Clinical Management for Positive Outcomes* (10th edn). Elsevier.
- British Thoracic Society. (2023). *BTS Guideline for Pleural Disease*. British Thoracic Society.
- Candrawati, N. W., Sanjaya, F., & Syafa'ah, I. (2025). Conservative Management of Chest Tube and Ambulatory Water Sealed Drainage in Persistent Pneumothorax due to Tuberculosis. *Jurnal Respirasi*. https://e-journal.unair.ac.id/JR/article/view/71493?utm_source=chatgpt.com
- Chadd, E., Paisley, A., & Paterson-Brown, S. (2022). Chest tube insertion and management in acute thoracic conditions: an updated evidence review. *BMJ Open Respiratory Research*, 9(1), 1–8. <https://doi.org/doi:10.1136/bmjresp-2021-001223>

- Çınar, K., & Zengin, N. (2026). A Nursing Care of a Patient with a Chest Tube. *Northern Journal of Health Sciences*, 2(1), 41–48.
- Ding, M., Silau, N. C., Gunawan, R. M., Yanti, R., & Ping, S. M. (2024). Efektivitas Manajemen Jalan Nafas dengan Posisi Semi Fowler pada Pasien Efusi Pleura di Rumah Sakit Dirgahayu Samarinda Paviliun St. Gabriel Lantai 3. *Urnal Kesehatan: Caritas et Fraternitas*, 3(2), 29–32.
- Duchman, K. R., Harada, G. K., & Wightman, S. C. (2021). Modern chest tube management and drainage systems. *Journal of Thoracic Disease*, 13(6), 3731–3742.
- Ellora, R. R. (2020). Analysis of Nursing Care in Right Pleural Effusion Patients with Application of Semi-Fowler and Lateral Positions Intervention to Overcome the Problem of Ineffective Breathing Patterns. *Fakultas Ilmu Keperawatan Universitas Indonesia*.
- Feller-Kopman, D., & Light, R. W. (2022). Pleural Disease. *New England Journal of Medicine*, 740–751.
- Global Initiative for Asthma (GINA). (2024). *Global Strategy for Asthma Management and Prevention*.
- Goldman, L., & Schafer, A. I. (2023). *Goldman-Cecil Medicine* (27th edn). Elsevier.
- Gonfiotti, A., Bongiolatti, S., Vannucci, J., Morganti, R., & Janni, A. (2021). Chest tube management after pulmonary surgery: state of the art and evolving evidence. *Journal of Thoracic Disease*, 13(5), 3100–3110. <https://jtd.amegroups.org/article/view/52361>
- Gonnelli, F., Hassan, W., Bonifazi, M., Pinelli, V., Bedawi, E. O., Porcel, J. M., Rahman, N. M., & Mei, F. (2024). Malignant pleural effusion: current understanding and therapeutic approach. *Respiratory Research*, 25(47), 1–18.
- Hall, J. E. (2021). *Guyton and Hall Textbook of Medical Physiology*. Elsevier.
- Hallifax, R. J., Corcoran, J. P., Psallidas, I., & Rahman, N. M. (2022). Advances in the investigation and management of pleural effusion. *BMJ*, 378, e067785.
- Hardavella, G., Karampinis, I., Frille, A., Sreter, K., & Rousalova, I. (2022). Oxygen Devices and Delivery Systems. *Breathe*, 18(2), 220015.
- Hassan, M., Abdelrahman, A., & El-Sayed, R. (2024). Effect of therapeutic positioning on oxygenation and respiratory status in patients with pleural effusion. *International Journal of Nursing Practice*, 30(1), 1–8.

- Hassan, M., Ibrahim, A., & El-Sayed, R. (2022). Clinical outcomes following pleural drainage in patients with pleural effusion. *Respiratory Medicine and Research*, 81, 100901.
- Hassan, M., Ibrahim, M., & Ahmed, S. (2023). Respiratory Monitoring and Early Detection of Clinical Deterioration in Patients with Pleural Effusion. *International Journal of Nursing Practice*, 29(4), e13122.
- Hayuningrum, D. F. (2020). Diagnosis efusi pleura. *Jurnal Penelitian Perawat Profesional*, 2(4), 529–539. <http://jurnal.globalhealthsciencegroup.com/index.php/JPPP/article/download/208/154/>
- Hidayat, A. A. (2021). *Menyusun Instrumen Penelitian & Uji Validitas Reliabilitas*. Health Books Publishing.
- Hinkle, J. L., & Cheever, K. H. (2022). *Brunner & Suddarth's Textbook of Medical-Surgical Nursing* (15th edn). Wolters Kluwer.
- Jameson, J. L., Fauci, A. S., Kasper, D. L., Hauser, S. L., & Loscalzo, J. (2022). *Harrison's Principles of Internal Medicine* (21st edn). McGraw-Hill.
- Jiang, L., Zhang, X., Wang, Y., & Chen, H. (2022). Changes in respiratory parameters following pleural drainage in patients with pleural effusion. *Respiratory Medicine*, 198, 106872.
- Josan, E. S. (2025a). Pleural effusion. *Medscape*. <https://emedicine.medscape.com/article/299959-overview#a2>
- Josan, E. S. (2025b). *Pleural Effusion*. *Medscape*. <https://emedicine.medscape.com/article/299959-overview#a2>
- Kallet, R. H. (2021). A comprehensive review of respiratory mechanics and ventilatory monitoring. *Respiratory Care*, 66(4), 607–625.
- Kaur, A., & Singh, G. (2021). Pleural Effusion: Etiology, Pathophysiology and Clinical Approach. *Journal of Respiratory Medicine*, 15(2), 55–63.
- Kesieme, E. B., Kesieme, C. N., & Jebbin, N. J. (2022). Chest tube thoracostomy and nursing management in pleural diseases. *International Journal of Nursing Sciences*, 9(4), 512–519.
- Kheir, F., Alokla, K., & Maldonado, F. (2021). Clinical manifestations and assessment of pleural diseases. *Clinics in Chest Medicine*, 42(4), 599–612.
- Krishna, R., Antoine, M., & Alahmadi MH. (2024). Pleural effusion. *Treasure Island (FL): StatPearls Publishing*.
- Kurniawati, D., Prasetyo, A., & Handayani, R. (2024). Perubahan bunyi napas pada pasien gangguan respirasi setelah terapi dan drainase pleura. *Jurnal Keperawatan Respirasi Indonesia*, 8(1), 45–53.

- Kwiatt, M., Tarbox, A., Seamon, M. J., Swaroop, M., & Cipolla, J. (2020). Thoracostomy tubes: a comprehensive review of placement and management. *Journal of Trauma and Acute Care Surgery*, 89(3), 475–485. <https://doi.org/doi:10.1097/TA.0000000000002772>
- Lee, S.-H., Kim, Y. D., & Kim, S. (2020). Clinical application of a digital thoracic drainage system for quantifying air leaks. *Journal of Thoracic Disease*, 12(5), 2392–2400.
- Lewis, S. L., Bucher, L., Heitkemper, M. M., Harding, M. M., Kwong, J., & Roberts, D. (2023). *Medical-Surgical Nursing: Assessment and Management of Clinical Problems* (12th edn). Elsevier.
- Light, R. W. (2023a). *Pleural Diseases*. Wolters Kluwer.
- Light, R. W. (2023b). *Pleural Diseases* (7th ed.). Philadelphia: Wolters Kluwer.
- Marques, L., & Vale, N. (2022). Salbutamol in the Management of Asthma: A Review. *International Journal of Molecular Sciences*, 23(14207), 22. <https://doi.org/https://doi.org/10.3390/ijms232214207>
- McGrath, E. E., Anderson, P. B., & O'Connor, T. M. (2022). Chest Drain Management and Pleural Drainage Systems. *Respiratory Medicine*, 198, 106871.
- Mendoza, C. S., Ramos, J. L., & Villanueva, P. R. (2024). Psychological responses and nursing care among patients undergoing chest tube insertion. *Nursing Open*, 11(2), 1–9.
- Mohan, A., Madan, K., & Hadda, V. (2022). Clinical profile and outcomes of pleural effusion in adults. *Lung India*, 39(4), 321–327.
- Murray, J. F., Nadel, J. A., & Gotway, M. B. (2022). *Murray & Nadel's Textbook of Respiratory Medicine* (7th edn). Elsevier.
- Muruganandan, S., Mishra, E., & Singh, B. (2023). Breathlessness with pleural effusion: what do we know? *Seminars in Respiratory and Critical Care Medicine*, 44(4), 502–508.
- Ningtias, D. R., Wahyudi, B., & Firdaus, I. (2020). Rancang Bangun Water Seal Drainage (WSD) Khusus Thorax dengan Pengaturan Tekanan pada Suction Pump. *Jurnal Teori Dan Aplikasi Fisika*, 8(2), 169–174.
- Open Resources for Nursing. (2021). Semi-Fowler's positioning (head of bed 30–45°), in Nursing Fundamentals. *NCBI Bookshelf*. https://www.ncbi.nlm.nih.gov/books/NBK591828/?utm_source=chatgpt.com
- Patel, P., & Shah, S. (2021). A Comparison of Effect of Semi Fowler's and Side Lying Position on Pulmonary Functions and Oxygen Saturation in

Bedridden Patients. *International Journal of Health Sciences and Research (IJHSR)*, 11(5), 263–267.

Perawat.org. (2023). *SOP Perawatan Selang WSD*. Perawat.Org. <https://perawat.org/sop-perawatan-selang-wsd/>

Perhimpunan Dokter Paru Indonesia. (2020). *Pedoman Nasional Penatalaksanaan Penyakit Paru*. PDPI.

Persico, G., Bortolussi, G., & Rizzardi, G. (2022). Digital chest drainage systems after pulmonary resection: a systematic review and network meta-analysis. *Journal of Personalized Medicine*, 4(12). <https://doi.org/10.3390/jpm12040512>.

Peters, S. G., Holets, S. R., & Gay, P. C. (2021). Pulse Oximetry in Clinical Practice. *Mayo Clinic Proceedings*, 96(4), 1065–1076.

Porcel, J. M. (2018). Chest tube drainage of the pleural space: A concise review for pulmonologists. *Urberculosis and Respiratory Diseases*, 81(2), 106–115.

Porcel, J. M. (2023a). Diagnostic Approach to Pleural Effusion in Adults. *American Family Physician*, 107(5), 456–464.

Porcel, J. M. (2023b). *Pleural Diseases*. CRC Press.

Porcel, J. M., & Light, R. W. (2023). Pleural effusions. *The Lancet*, 401(10382), 1533–1546.

Potter, P. A., Perry, A. G., Stockert, P., & Hall, A. (2016). *Fundamentals of Nursing: Concepts, Process and Practice* (9th ed.). Elsevier.

Potter, P. A., Perry, A. G., Stockert, P., & Hall, A. (2023). *Fundamentals of Nursing* (11th ed.). Elsevier.

Pozuelo-Carrascosa, D. P. et al. (2022). Body position for preventing ventilator-associated pneumonia. *Journal of Intensive Care*, 10(16).

Psallidas, I., Corcoran, J. P., Hallifax, R. J., & Rahman, N. M. (2023). Malignant pleural effusion: epidemiology, pathophysiology and management. *European Respiratory Review*, 32(168), 220210.

Purba, C. N., & Simatupang, L. L. (2024). Pengaruh Posisi Semi Fowler 45° terhadap Nyeri Pasien Efusi Pleura Post Pemasangan WSD di Ruang Rawat Inap GB3A Murni Teguh Memorial Hospital. *Jurnal Dinamika Kesehatan Terpadu*, 5(4), 94–103.

Rahmawati, N., Fitria, L., & Suharto, R. (2020). Profil etiologi dan karakteristik klinis efusi pleura pada pasien rawat inap. *Jurnal Respirasi Indonesia*, 40(1), 43–49.

- Rajendran, V., & Ahmad, F. (2020). Update on Pleural Effusion Management and Etiology. *Nternational Journal of Pulmonary Medicine*, 8(1), 12–20.
- Rosalina, D., Sukarno, T., & Yudanari, R. (2023). Profil pasien efusi pleura di RSUD Dr. Soebandi Jember tahun 2022–2023. *Jurnal Kesehatan Dr. Soebandi*, 11(2), 1–7.
- Rosyadi, I., Djafri, D., & Rahman, D. (2019). Pengaruh pemberian pursed lip-breathing, diaphragmatic breathing, dan upper limb stretching terhadap skala dispnea pada klien PPOK. *NERS Jurnal Keperawatan*, 15(2), 103. <https://doi.org/10.25077/njk.15.2.103-109.2019>
- RSPAL dr. Ramelan Surabaya. (2023). Laporan internal kasus efusi pleura yang memerlukan Water Seal Drainage (WSD). *Tidak Dipublikasikan (Dokumen Rumah Sakit)*.
- Santoso, K. B., Andarmoyo, S., & Sari, R. M. (2020). Studi Literatur: Pemberian Posisi Semi Fowler pada Pasien TB Paru dengan Masalah Keperawatan Ketidakefektifan Pola Nafas. *Health Sciences Journal*, 4(2), 38–46.
- Sari, N. K., Hudiyawati, D., & Herianto, A. (2022). Pengaruh Pemberian Posisi Semi-Fowler Terhadap Saturasi Oksigen pada Pasien Kritis di Ruang Intensive Care Unit di RSUD dr. Soeradji Tirtonegoro Klaten. *Prosiding Seminar Nasional Keperawatan Universitas Muhammadiyah Surakarta*.
- Shebl, E., & Paul, M. (2025a). Parapneumonic Pleural Effusions and Empyema Thoracis. *National Library of Medicine*.
- Shebl, E., & Paul, M. (2025b). Parapneumonic pleural effusions and empyema thoracis. *National Library of Medicine*. <https://www.ncbi.nlm.nih.gov/books/NBK534297/>
- SIM RSPAL dr. Ramelan Surabaya. (2025). Data kasus efusi pleura Ruang Bacaan 2 bulan Agustus–September 2025. *Tidak Dipublikasikan (Data SIMSRS)*.
- Sudoyo. (2019). *Buku ajar ilmu penyakit dalam*. Interna Publishing.
- Sugai, K., & Yazawa, T. (2024). Thoracic Drainage Management Strategies in Postoperative Lung Surgery: A Narrative Review. *Shanghai Chest*, 8(Article 16).
- Suhatridjas, & Isnayati. (2020). Posisi Semi Fowler Terhadap Respiratory Rate Untuk Menurunkan Sesak Pada Pasien Tb Paru. *Jurnal Keperawatan Silampari*, 3(2), 147–154. <https://doi.org/https://doi.org/10.31539/jks.v3i2.1116> POSISI
- Tim Pokja SDKI DPP PPNI. (2017). *Standar Diagnosis Keperawatan Indonesia (SDKI)*. Dewan Pengurus Pusat PPNI.

- Tim Pokja SLKI DPP PPNI. (2019). *Standar Luaran Keperawatan Indonesia (SLKI)*. Dewan Pengurus Pusat PPNI.
- Wahyuni, H. (2024). Kateter Pleura pada Efusi Pleura Jinak. *Diagnosis: Jurnal Ilmiah Kesehatan*, 19(4).
https://jurnal.stikesnh.ac.id/index.php/jikd/article/view/1553?utm_source=chatgpt.com
- Wang, X., Zhang, Y., Liu, H., & Chen, L. (2022). Effectiveness of pleural drainage in improving lung expansion and respiratory function among pleural effusion patients. *Journal of Thoracic Disease*, 14(8), 3072–3080.
- Widayat, S., & Prasetyo, A. (2024). Gambaran Klinis dan Penatalaksanaan. *Jurnal Respirasi*, 10(2), 75–84.
- World Health Organization. (2023). *Global Tuberculosis Report 2023*. Geneva: World Health Organization.
- Yudistirawati, N. (2021). Comparison of positioning between Semi-Fowler's and left lateral head elevation 30° to increase oxygen saturation in ventilated ICU patients. *Quality: Jurnal Kesehatan*, 15(2), 142–152.
https://ejournal.poltekkesjakarta1.ac.id/index.php/adm/article/view/403?utm_source=chatgpt.com
- Yuli Ani, A. M. Y. A. (2020). Penerapan posisi Semi-Fowler terhadap ketidakefektifan pola nafas pada pasien congestive heart failure (CHF). *Nursing Science Journal (NSJ)*, 1(1), 19–24.
<https://doi.org/10.53510/nsj.v1i1.16>
- Yuliana, D., Rahmawati, I., & Hidayat, T. (2023). Pengaruh Posisi Semi Fowler terhadap Status Respirasi Pasien dengan Gangguan Sistem Pernapasan. *Jurnal Keperawatan Klinis Indonesia*, 8(2), 101–108.
- Zamboni, M. M., Silva, C. T., Baretta, R., & Marchiori, E. (2022). Respiratory mechanics and work of breathing in pleural effusion. *Journal of Thoracic Disease*, 14(5), 1528–1537.
- Zhang, Y., Liu, H., & Chen, X. (2022). Respiratory function improvement after pleural fluid drainage in patients with pleural effusion. *BMC Pulmonary Medicine*, 22(1), 284.