

- Adeyemi, O. J., Meltzer-Bruhn, A., Esper, G., DiMaggio, C., Grudzen, C., Chodosh, J., & Konda, S. (2023). Crosswalk between Charlson Comorbidity Index and the American Society of Anesthesiologists Physical Status Score for Geriatric Trauma Assessment. *Healthcare*, 11(8), 1137. <https://doi.org/10.3390/healthcare11081137>
- Alan, O., Gursel, O., Unsal, M., Altin, S., & Kilciksiz, S. (2014). Oncologic Approach in Geriatric Patients. *The Medical Journal of Okmeydani Training and Research Hospital*, 29(Supplement 2), 94–98. <https://doi.org/10.5222/otd.supp2.2013.094>
- Almeida, T. De, Fogac, A. M., Caetano, F., Leme, O., Dalla, L., Grassi, V., Bussolan, F., Moreira, R., & Nicoletti, D. (2019). *Perioperative complications and mortality in elderly patients following surgery for femoral fracture* : 69(6).
- American Psychiatric Association. (2013). *Diagnostic and statistical manual of mental disorders* (5th editio). American Psychiatric Association.
- An, R., Pang, Q.-Y., & Liu, H. (2019). Association of intra-operative hypotension with acute kidney injury, myocardial injury and mortality in non-cardiac surgery: A meta-analysis. *International Journal of Clinical Practice*, 73(10). <https://doi.org/10.1111/ijcp.13394>
- Arenal, J. J., & Bengoechea-Beeby, M. (2003). Mortality associated with emergency abdominal surgery in the elderly. *Canadian Journal of Surgery. Journal Canadien de Chirurgie*, 46(2), 111–116. <http://www.ncbi.nlm.nih.gov/pubmed/12691347>
- Aronow, W. (2008). Peripheral arterial disease in the elderly. *Clinical Interventions in Aging*, Volume 2, 645–654. <https://doi.org/10.2147/CIA.S2412>
- Association of Aneesthetists of Great Britain and Ireland. (2014). *Peri-operative care of the elderly 2014*.
- Assouan, D., Paillaud, E., Caillet, P., Broussier, A., Kempf, E., Frelaut, M., Brain, E., Lorisson, E., Chambraud, C., Bastuji-Garin, S., Hanon, O., Canouï-Poitaine, F., Laurent, M., & Martinez-Tapia, C. (2023). Cancer mortality and competing causes of death in older adults with cancer: A prospective, multicentre cohort study (<sc>ELCAPA</sc> -19). *Cancer Medicine*, 12(22), 20940–20952. <https://doi.org/10.1002/cam4.6639>
- Barash, P., Cullen, B., Stoelting, R., Cahalan, M., Stock, M., & Ortega, R. (2021). Anesthesia for Older Patients. In *Clinical Anesthesia* (8th ed, pp. 932–952). Wolters Kluwer Health.
- Barash, P., Cullen, B., Stoelting, R., & Stock, M. (2009). *Clinical Anesthesia*. Philadelphia: Lippincott Williams and Wilkins.
- Beaupre, L. A., Khong, H., Smith, C., Kang, S., Evens, L., Jaiswal, P. K., & Powell, J. N. (2019). The impact of time to surgery after hip fracture on mortality at 30- and 90-days: Does a single benchmark apply to all? *Injury*, 50(4), 950–955. <https://doi.org/10.1016/j.injury.2019.03.031>
- Becher, R. D., Wyk, B. Vander, Leo-Summers, L., Desai, M. M., & Gill, T. M. (2020). The Incidence and Cumulative Risk of Major Surgery in Older Persons in the United States. *MedRxiv*, 11(203), 1–50.



- 3



- Geerts, W. (2016). *Thrombotic Complications in the Elderly*. In *StatPearls*.
UNIVERSITAS GADJAH MADA | Universitas Gadjah Mada, 2024 | Diunduh dari <http://etd.repository.ugm.ac.id/>
- Gul, F., & Janzer, S. F. (2024). Peripheral Vascular Disease. In *StatPearls*.
<http://www.ncbi.nlm.nih.gov/pubmed/21873417>
- Gupta, D., Kaur, G., & Gupta, A. (2016). Geriatric syndromes. In *Progress in Medicine* (1st editio, Issue November 2016, pp. 1753–1758). Jaypee Brothers.
- Haaksma, M. L., Eriksdotter, M., Rizzuto, D., Leoutsakos, J.-M. S., Olde Rikkert, M. G. M., Melis, R. J. F., & Garcia-Ptacek, S. (2020). Survival time tool to guide care planning in people with dementia. *Neurology*, 94(5).
<https://doi.org/10.1212/WNL.00000000000008745>
- Haugan, K., Klaksvik, J., & Foss, O. A. (2021). 30-day mortality in patients after hip fracture surgery: A comparison of the Charlson Comorbidity Index score and ASA score used in two prediction models. *Injury*, 52(8), 2379–2383.
<https://doi.org/10.1016/j.injury.2021.02.004>
- Hausman, M. S., Jewell, E. S., & Engoren, M. (2015). *Does Avoiding General Anesthesia Reduce the Risk of*. 120(6), 1405–1412.
<https://doi.org/10.1213/ANE.0000000000000574>
- Hofman, M. A., & Swaab, D. F. (2006). Living by the clock: The circadian pacemaker in older people. *Ageing Research Reviews*, 5(1), 33–51.
<https://doi.org/10.1016/j.arr.2005.07.001>
- Iannuzzi-Sucich, M., Prestwood, K. M., & Kenny, A. M. (2002). Prevalence of sarcopenia and predictors of skeletal muscle mass in healthy, older men and women. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, 57(12), 772–777.
<https://doi.org/10.1093/gerona/57.12.M772>
- Ibitoye, S., & Braude, P. (2021). Geriatric perioperative care. *Medicine (United Kingdom)*, 49(1), 51–55. <https://doi.org/10.1016/j.mpmed.2020.10.004>
- Irwin, M. G., Ip, K. Y., & Hui, Y. M. (2019). *Anaesthetic considerations in nonagenarians and centenarians*. 32(6), 776–782. <https://doi.org/10.1097/ACO.0000000000000793>
- Joyce, M. F., & Reich, J. A. (2015). Critical Care Issues of the Geriatric Patient. *Anesthesiology Clinics*, 33(3), 551–561. <https://doi.org/10.1016/j.anclin.2015.05.009>
- Kadambi, S., Loh, K. P., Dunne, R., Magnuson, A., Maggiore, R., Zittel, J., Flannery, M., Inglis, J., Gilmore, N., Mohamed, M., Ramsdale, E., & Mohile, S. (2020). Older adults with cancer and their caregivers — current landscape and future directions for clinical care. *Nature Reviews Clinical Oncology*, 17(12), 742–755.
<https://doi.org/10.1038/s41571-020-0421-z>
- Kalish, V. B., Gillham, J. E., & Unwin, B. K. (2014). Delirium in Older persons: Evaluation and Management. *American Family Physician*, 90(3), 150–158.
- Karres, J., Kieviet, N., Eerenberg, J.-P., & Vrouwenraets, B. C. (2018). Predicting Early Mortality After Hip Fracture Surgery: The Hip Fracture Estimator of Mortality Amsterdam. *Journal of Orthopaedic Trauma*, 32(1), 27–33.
<https://doi.org/10.1097/BOT.0000000000001025>
- Kastanis, G., Topalidou, A., Alpantaki, K., Rosiadis, M., & Balalis, K. (2016). Is the ASA

- Kılınç, G., Karakuş, Ö., & Güner, B. (2023). The role of ASA score and Charlson comorbidity index in predicting in-hospital mortality in geriatric hip fracture patients. *European Review for Medical and Pharmacological Sciences*, 27(15), 7065–7072. https://doi.org/10.26355/eurev_202308_33279
- Kunutsor, S. K., Hamal, P. B., Tomassini, S., Yeung, J., Whitehouse, M. R., & Matharu, G. S. (2022). Clinical effectiveness and safety of spinal anaesthesia compared with general anaesthesia in patients undergoing hip fracture surgery using a consensus-based core outcome set and patient-and public-informed outcomes: a systematic review and meta-analysis. *British Journal of Anaesthesia*, 129(5), 788–800. <https://doi.org/10.1016/j.bja.2022.07.031>
- Lau, T., Fang, C., & Leung, F. (2015). Assessment of postoperative short-term and long-term mortality risk in Chinese geriatric patients for hip fracture using the Charlson comorbidity score. *Hong Kong Medical Journal*. <https://doi.org/10.12809/hkmj154451>
- Lau, T. W., Fang, C., & Leung, F. (2016). Assessment of postoperative short-term and longterm mortality risk in chinese geriatric patients for hip fracture using the charlson comorbidity score. *Hong Kong Medical Journal*, 22(1), 16–22. <https://doi.org/10.12809/hkmj154451>
- Liang, C.-S., Li, D.-J., Yang, F.-C., Tseng, P.-T., Carvalho, A. F., Stubbs, B., Thompson, T., Mueller, C., Shin, J. Il, Radua, J., Stewart, R., Rajji, T. K., Tu, Y.-K., Chen, T.-Y., Yeh, T.-C., Tsai, C.-K., Yu, C.-L., Pan, C.-C., & Chu, C.-S. (2021). Mortality rates in Alzheimer's disease and non-Alzheimer's dementias: a systematic review and meta-analysis. *The Lancet Healthy Longevity*, 2(8), e479–e488. [https://doi.org/10.1016/S2666-7568\(21\)00140-9](https://doi.org/10.1016/S2666-7568(21)00140-9)
- Lim, B., & Lee, I. (2020). *Anesthetic management of geriatric patients*.
- Lindberg, A. P., & Flexman, A. M. (2021). Perioperative stroke after non-cardiac , non-neurological surgery. *BJA Education*, 21(2), 59–65. <https://doi.org/10.1016/j.bjae.2020.09.003>
- Lipsky, M. S., & King, M. (2015). Biological theories of aging. *Disease-a-Month*, 61(11), 460–466. <https://doi.org/10.1016/j.disamonth.2015.09.005>
- Little, M. O., McDonald, S., Schlientz, D., & Kim, Y. H. (2022). Perioperative medical assessment of older adults. In A. J. Sinclair, J. E. Morley, B. Vellas, M. Cesari, & M. Munshi (Eds.), *Pathy's Principles and Practice of Geriatric Medicine* (6th ed, pp. 1409–1431). John Wiley & Sons, Ltd.
- Liu, M., & Chen, C. (2008). Postoperative care after geriatric ambulatory surgery: several specific considerations. *International Journal of Gerontology*, 2(3), 98–102. [https://doi.org/10.1016/S1873-9598\(08\)70045-0](https://doi.org/10.1016/S1873-9598(08)70045-0)
- López-Otín, C., Blasco, M. A., Partridge, L., Serrano, M., & Kroemer, G. (2013). The Hallmarks of Aging Europe PMC Funders Group. *Cell*, 153(6), 1194–1217. <https://doi.org/10.1016/j.cell.2013.05.039>
- Mahender, A., Chavan, S. S., Saroa, R., & Chauhan, M. (2023). Recent advances in geriatric anaesthesia. *Indian Journal of Anaesthesia*, 67(1), 162–168. <https://doi.org/10.4103/ija.ija>



- 6

Comparative Effectiveness of Regional versus General Anesthesia for Hip Fracture Surgery in Adults. *Anesthesiology*, 117(1), 72–92.
<https://doi.org/10.1097/ALN.0b013e3182545e7c>

Nkanang, B., Parker, M., Parker, E., & Griffiths, R. (2017). Perioperative mortality for patients with a hip fracture. *Injury*, 48(10), 2180–2183.
<https://doi.org/10.1016/j.injury.2017.07.007>

Olotu, C., Weimann, A., Bahrs, C., Schwenk, W., Scherer, M., & Kiefmann, R. (2019). *The Perioperative Care of Older Patients*. <https://doi.org/10.3238/arztebl.2019.0063>

Ono, R., Sakurai, T., Sugimoto, T., Uchida, K., Nakagawa, T., Noguchi, T., Komatsu, A., Arai, H., & Saito, T. (2023). Mortality Risks and Causes of Death by Dementia Types in a Japanese Cohort with Dementia: NCGG-STORIES. *Journal of Alzheimer's Disease*, 92(2), 487–498. <https://doi.org/10.3233/JAD-221290>

Orimo, H., Ito, H., Suzuki, T., Araki, A., Hosoi, T., & Sawabe, M. (2006). Reviewing the definition of “elderly.” *Geriatrics and Gerontology International*, 6(3), 149–158.
<https://doi.org/10.1111/j.1447-0594.2006.00341.x>

Pelavski, A. D., Miguel, M. De, Garcia-tejedor, G. A., Villarino, L., Lacasta, A., Señas, L., & Rochera, M. I. (2017). *Mortality, Geriatric, and Nongeriatric Surgical Risk Factors Among the Eldest Old: A Prospective Observational Study*. 125(4), 1329–1336.
<https://doi.org/10.1213/ANE.00000000000002389>

Peraturan Presiden tentang Strategi Nasional Kelanjutusiaan, (2021) (testimony of Pemerintah Republik Indonesia).

Quach, L. H., Jayamaha, S., Whitehouse, S. L., Crawford, R., Pulle, C. R., & Bell, J. J. (2020). Comparison of the Charlson Comorbidity Index with the ASA score for predicting 12-month mortality in acute hip fracture. *Injury*, 51(4), 1004–1010.
<https://doi.org/10.1016/j.injury.2020.02.074>

Quan, H. et al. (2011) ‘Updating and validating the Charlson comorbidity index and score for risk adjustment in hospital discharge abstracts using data from 6 countries’, *American journal of epidemiology*, 173(6), pp. 676–682.

Radcliff, T. A., Henderson, W. G., Stoner, T. J., Khuri, S. F., Dohm, M., & Hutt, E. (2008). Patient Risk Factors, Operative Care, and Outcomes Among Older Community-Dwelling Male Veterans with Hip Fracture. *The Journal of Bone and Joint Surgery-American Volume*, 90(1), 34–42. <https://doi.org/10.2106/JBJS.G.00065>

Riley, C., & Andrzejowski, J. (2018). Inadvertent perioperative hypothermia. *BJA Education*, 18(8), 227–233. <https://doi.org/10.1016/j.bjae.2018.05.003>

Ruzman, T., Mraovic, B., & Šimurina, T. (2017). Transcranial Cerebral Oxymetric Monitoring Reduces Brain Hypoxia in Obese and Elderly Patients Undergoing General. *Surgical Laparoscopy, Endoscopy, and Percutaneous Technique*, 00(00), 1–5.

Sahin, S., & Taskiran, E. (2022). Physiology of ageing. In A. J. Sinclair, J. E. Morley, B. Vellas, M. Cesari, & M. Munshi (Eds.), *Pathy's Principles and Practice of Geriatric Medicine* (6th ed, pp. 22–31). John Wiley & Sons, Ltd.

- Setiati, S., Laksmi, P. W., Aryana, I. G. P. S., Sunarti, S., Widajanti, N., Dwipa, L., Seto, E., Istanti, R., Ardian, L. J., & Chotimah, S. C. (2019). Frailty state among Indonesian elderly: Prevalence, associated factors, and frailty state transition. *BMC Geriatrics*, 19(1), 1–10. <https://doi.org/10.1186/s12877-019-1198-8>
- Shahrokni, A., Vishnevsky, B. M., Jang, B., Sarraf, S., Alexander, K., Kim, S. J., Downey, R., Afonso, A., & Korc-Grodzicki, B. (2020). Geriatric Assessment, Not ASA Physical Status, Is Associated With 6-Month Postoperative Survival in Patients With Cancer Aged ≥ 75 Years. *Journal of National Comprehensive Cancer Network*, 17(6), 687–694. <https://doi.org/10.6004/jnccn.2018.7277.Geriatric>
- Sheikh, H. Q., Hossain, F. S., Aqil, A., Akinbamijo, B., Mushtaq, V., & Kapoor, H. (2017). A Comprehensive Analysis of the Causes and Predictors of 30-Day Mortality Following Hip Fracture Surgery. *Clinics in Orthopedic Surgery*, 9(1), 10. <https://doi.org/10.4055/cios.2017.9.1.10>
- Shu, J., & Santulli, G. (2018). Update on peripheral artery disease: Epidemiology and evidence-based facts. *Atherosclerosis*, 275, 379–381. <https://doi.org/10.1016/j.atherosclerosis.2018.05.033>
- SMERU Research Institute. (2020). *The Situation of the Elderly in Indonesia and Access to Social Protection Programs*.
- Smetana, G. W. (2003). *Preoperative pulmonary assessment of the older adult*. 19, 35–55.
- Smith, T., Pelpola, K., Ball, M., Ong, A., & Myint, P. K. (2014). Pre-operative indicators for mortality following hip fracture surgery: a systematic review and meta-analysis. *Age and Ageing*, 43(4), 464–471. <https://doi.org/10.1093/ageing/afu065>
- Strait, J. B., & Lakatta, E. G. (2012). Aging-associated cardiovascular changes and their relationship to heart failure. *American Geriatrics Society*, 8(1), 143–164. <https://doi.org/10.1016/j.hfc.2011.08.011.Aging-associated>
- Strand, B. H., Knapskog, A.-B., Persson, K., Edwin, T. H., Amland, R., Mjørud, M., Bjertness, E., Engedal, K., & Selbæk, G. (2018). Survival and years of life lost in various aetiologies of dementia, mild cognitive impairment (MCI) and subjective cognitive decline (SCD) in Norway. *PLOS ONE*, 13(9), e0204436. <https://doi.org/10.1371/journal.pone.0204436>
- Subdirektorat Statistik Pendidikan dan Kesejahteraan Sosial. (2020). *Statistik Penduduk Lanjut Usia*. Badan Pusat Statistik.
- Sugiarto, A., Pryambodho, Imelda, M., & Aditjaningsih, D. (2023). Charlson comorbidity index to predict 28-day mortality in critically ill COVID-19 patients. *Medical Journal of Indonesia*, 32(1), 19–24. <https://doi.org/10.13181/mji.oa.236070>
- Tang, B., Green, C., Yeoh, A. C., Husain, F., & Subramaniam, A. (2018). Post-operative outcomes in older patients: a single-centre observational study. *ANZ Journal of Surgery*, 88(5), 421–427. <https://doi.org/10.1111/ans.14433>
- Taylor, F. B., Toh, C. H., Hoots, W. K., Wada, H., Levi, M., & Scientific Subcommittee on Disseminated Intravascular Coagulation (DIC) of the International Society on





<https://doi.org/10.30605/ajm.v2i1.7038>