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DAFTAR PUSTAKA

Aifunan, I. N., & Kusuma, D. I. (2021). Anesthetic challenges and management in cesarean section for a patient with post laminectomy and inferior stabilization: A case report. *JAI (Jurnal Anestesiologi Indonesia)*.

Al Harbi, M. (2023). Regional anesthesia for geriatric population. *Saudi Journal of Anaesthesia, 17*(4), 523–532. https://doi.org/10.4103/sja.sja_424_23

Alnaeli, G. (2024). Factors influence shivering phenomenon post spinal anesthesia. *Libyan Journal of Medical Research, 18*(1), 47–54. https://doi.org/10.54361/ljmr18-1.05

Amiarti, W. (2024). Gambaran kejadian shivering pada pasien dengan tindakan operasi yang menggunakan anestesi spinal di RSUD Cilacap. *Jurnal Ilmiah Wahan Pendidikan, 10*(6), 932–942. https://jurnal.peneliti.net/index.php/JIWP

Batçık, Ş. & Leyla Kazancıoğlu (2021). Incidence of perioperative hypothermia in geriatric patients undergoing elective surgery. *Haydarpasa Numune Training and Research Hospital Medical Journal, 61*(4), 417–421. https://doi.org/10.14744/hnhj.2021.70037

Cho, S. A. (2022). Clinical efficacy of short-term prewarming in elderly and adult patients: A prospective observational study. *International Journal of Medical Sciences, 19*(10), 1548–1556. https://doi.org/10.7150/ijms.77578

Cindea, I., Gherghina, V., & Balcan, A. (2023).Post-spinal anesthesia shivering (PSAS) in elderly–comparison of the effectiveness of the prophylactic administration of clonidine and propofol alone or in combination.

Effect, T. H. E., et al. (2025). The effect of giving a heating lamp on increasing the body. *7*(2), 249–256

Esmat, I. M., Mohamed, M. M., Abdelaal, W. A., El-Hariri, H. M., & Ashoor, T. M. (2021). Postspinal anesthesia shivering in lower abdominal and lower limb surgeries: a randomized controlled comparison between paracetamol and dexamethasone. *BMC anesthesiology*, *21*(1), 262.

Fauzan, D. H., Sebayang, S. M., Burhan, A., & Suhendro, S. (2024). GAMBARAN KEJADIAN SHIVERING POST SPINAL ANESTESI PADA PASIEN BENIGN PROSTATIC HYPERPLASIA DI RUMAH SAKIT UMUM DAERAH CILACAP. *Jurnal Ilmiah Wahana Pendidikan*, *10*(9), 133-143.

He, T., & Qin, Z. J. (2025). Factors associated with postoperative shivering after total knee arthroplasty and development and validation of a predictive model. *Medicine*, *104*(36), e44370.

James, S. L., et al. (2019). Global, regional, and national burden of traumatic brain injury and spinal cord injury, 1990-2016: A systematic analysis for the Global Burden of Disease Study 2016. *The Lancet Neurology, 18*(1), 56–87. https://doi.org/10.1016/S1474-4422(18)30415-0

Jo, Y. Y., Kim, Y. B., Lee, D., Chang, Y. J., & Kwak, H. J. (2016). Implications of palonosetron in elderly patients undergoing laparoscopic cholecystectomy with respect to its anti-shivering effect. *Aging Clinical and Experimental Research*, *28*(1), 83-88.

Khasanah, R. N., Yuda, H. T., & Nugroho, F. A. (2021). Pengaruh inhalasi peppermint sebagai terapi non farmakologi terhadap penurunan PONV post anestesi spinal di RS PKU Muhammadiyah Gombong. In *Proceeding of the URECOL* (pp. 59–65).

Kim, J. H., Lee, J. H., & Lee, H. (2021). Risk factors associated with shivering after spinal and epidural anesthesia. *Anesthesia and Pain Medicine, 16*(3), 256–263.

Lee, C. (2023). The effect of remimazolam compared to sevoflurane on postoperative shivering in patients undergoing laparoscopic gynecologic surgery under general

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anesthesia: A prospective randomized controlled trial. *Medicina, 59*(3), Article 578. https://doi.org/10.3390/medicina59030578

Lim, B. G., & Lee, I. O. (2020). Anesthetic management of geriatric patients. *Korean Journal of Anesthesiology, 73*(1), 8–29. https://doi.org/10.4097/kja.19391

Lopez, M. B. (2018). Postanaesthetic shivering - from pathophysiology to prevention. *Romanian Journal of Anaesthesia and Intensive Care, 25*(1), 73–81. https://doi.org/10.21454/rjaic.7518.251.xum

Luggya, T. S. (2016). Prevalence, associated factors and treatment of post spinal shivering in a Sub-Saharan tertiary hospital: A prospective observational study. *BMC Anesthesiology, 16*(1), 1–5. https://doi.org/10.1186/s12871-016-0268-0

Masitoh & Mendri (2018). Lama operasi dan kejadian *shivering* pada pasien pasca anestesi spinal. *Jurnal Keperawatan Terapan, 4(1).* 2018. DOI: https://doi.org/10.31290/jkt.v(4)i(1)y(2018).page: 14-20

Millizia, A., Fitriany, J., & Siregar, D. A. (2020). Faktor-faktor yang berhubungan dengan post anesthetic shivering pada pasien anestesi spinal di Instalasi Bedah Sentral PPK BLUD RSUD Cut Meutia Aceh Utara. *Lentera: Jurnal Ilmiah Sains, Teknologi, Ekonomi, Sosial, Dan Budaya*, *4*(4).

Nafidah, D. (2022). Faktor-faktor yang memengaruhi kejadian shivering pada pasien pasca spinal anestesi: Literature review naskah publikasi. *Keperawatan Anestesiologi*.

Pambayun, G. P., Nabhani, N., & Rizkaningsih, A. (2024). Gambaran kejadian shivering pasien dengan metode spinal anestesi enhanced recovery after surgery (ERAS). *Quantum Wellness: Jurnal Ilmu Kesehatan, 1*(2), 200–208.

Qona'ah, A. (2019). Management of shivering in post-spinal anesthesia using warming blankets and warm fluid therapy. *Jurnal Ners, 14*(3, Special Issue), 305–309. https://doi.org/10.20473/jn.v14i3(si).17166

Rade, A. (2024). The non-pharmacological management of shivering post-spinal anesthesia. *Jurnal Komplikasi Anestesi, 11*(2), 6–16. https://doi.org/10.22146/jka.v11i2.12641

Rafifa, T. N., Effendi, R., & Aladin. (2024). Description of post anesthetic shivering (PAS) in post spinal anesthesia caesarean section. *Andalas Obstetrics and Gynecology Journal, 8*(2), 763–774. https://doi.org/10.25077/aoj.8.2.763-774.2024

Romansyah, T., Siwi, A. S., & Khasanah, S. (2022). Relationship of long operation with shivering events in post spinal. *Jurnal Cakrawala Ilmiah, 2*(2), 467–476. https://doi.org/10.53625/jcijurnalcakrawalailmiah.v2i2.3761

Rosidi, N.A., Yudono, D.T. and Susanto, A. (2025) 'Gambaran kejadian shivering pasca spinal anestesi berdasarkan karakteristik suhu tubuh praanestesi dan suhu ruang operasi pada pasien bedah urologi di Rumah Sakit Islam Purwokerto', *Jurnal Pengabdian Ilmu Kesehatan*, 5(2), pp. [135-149]

Rusnowanto, R., Sodikin, S., Solikhah, U., & Elsanti, D. (2024). Faktor-faktor yang menyebabkan kejadian shivering pada pasien sectio caesarea dengan spinal anestesi di RSUD Banyumas. *Barongko: Jurnal Ilmu Kesehatan*, 2(2), 300–309. https://doi.org/10.59585/bajik.v2i2.345

Sessler, D. I. (2020). Perioperative thermoregulation and heat balance. *The Lancet, 396*(10244), 265–277.

Sivevski, A. G. (2018). Neuraxial anesthesia in the geriatric patient. *Frontiers in Medicine, 5*(SEP), 3–6. https://doi.org/10.3389/fmed.2018.00254

Sutardi, G., Purwanti, N. S., Prabowo, T., & Tatabumi, N. J. (2022). Hubungan ketinggian blok spinal anestesi dengan kejadian shivering intra operasi seksio sesaria di IBS RSUD dr Gunawan Mangunkusumo. Poltekkes Jogja. http://eprints.poltekkesjogja.ac.id/10549/1/1.%20Awal.doc.pdf

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Tubalawony, S. L., & Siahaya, A. (2023). Pengaruh anestesi spinal terhadap kejadian hipotermi pada pasien post operasi. *Jurnal Keperawatan, 15*(1), 331–338. http://journal.stikeskendal.ac.id/index.php/Keperawatan

Vassilieff, N., Rosencher, N., Sessler, D. I., & Conseiller, C. (1995). Shivering threshold during spinal anesthesia is reduced in elderly patients. *Anesthesiology*, *83*(6), 1162-1166.

Wang, Y., Zhao, K., Wu, N., Ji, T., Su, G., Cui, X., & Chen, X. (2023). Effect of different doses of butorphanol on postoperative shivering in elderly patients: a randomized, double-blind, placebo-controlled trial. *Drug Design, Development and Therapy*, 839-849.

Winarni, E., Murharyati, A., & Suparmanto, G. (2020). Efektifitas penggunaan blanker warmer terhadap suhu pada pasien shivering post spinal anestesi replacement ekstremitas bawah.

Yaslina, Maidaliza, & Srimutia, R. (2021). Aspek fisik dan psikososial terhadap status fungsional pada lansia. *Prosiding Seminar Kesehatan Perintis, 4*(2), 68–73. https://jurnal.upertis.ac.id/index.php/PSKP/article/view/724

Yi, J., Lei, Y., Xu, S., & Si, Y. (2022). Incidence and risk factors of postoperative shivering after neuraxial anesthesia: A systematic review and meta-analysis. *Journal of Clinical Anesthesia, 74*, Article 110423.

Zulfikar, Z., Sumarni, T., & Kurniawan, W. E. (2023). Hubungan Lama Operasi dengan Kejadian Shivering Pada Pasien Pasca Spinal Anestesi Di RSUD Meuredu Kabupaten Pidie Jaya Aceh. *Viva Medika: Jurnal Kesehatan, Kebidanan dan Keperawatan*, *16*(2), 138-144.