

DAFTAR PUSTAKA

- Abdulla, I., Mahdavi, S., Khong, H., Gill, R., Powell, J., Johnston, K. D., & Sharma, R. (2020). Does body mass index affect the rate of adverse outcomes in total hip and knee arthroplasty? A retrospective review of a total joint replacement database. *Canadian Journal of Surgery*, *63*(2), E142–E149. <https://doi.org/10.1503/cjs.006719>
- Ahmad, S. S., Konrads, C., Niemann, M., Stöckle, U., Windhagen, H., & Giebel, G. M. (2023). The Female Pelvis Is Associated with a Lateralized Ischium and a Reduced Ischiofemoral Space. *Journal of Clinical Medicine*, *12*(4). <https://doi.org/10.3390/jcm12041603>
- Ait Mokhtar, M. (2020). *Postero-posterolateral approach in total hip arthroplasty*. <https://doi.org/10.1007/s00264-020-04679-7/Published>
- American Association of Orthopaedic Surgeons. (2023). *Management of Osteoarthritis of the Hip Evidence-Based Clinical Practice Guideline*.
- Blakeney, W. G., & Kuster, M. (2023). Advances in Hip Replacement Surgery. In *Journal of Clinical Medicine* (Vol. 12, Issue 10). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/jcm12103439>
- Chang, K., Albright, J. A., Testa, E. J., Balboni, A. B., Daniels, A. H., & Cohen, E. (2023). Sarcopenia Is Associated with an Increased Risk of Postoperative Complications Following Total Hip Arthroplasty for Osteoarthritis. *Biology*, *12*(2). <https://doi.org/10.3390/biology12020295>
- Cheng, C. H., Chen, L. R., & Chen, K. H. (2022). Osteoporosis Due to Hormone Imbalance: An Overview of the Effects of Estrogen Deficiency and Glucocorticoid Overuse on Bone Turnover. In *International Journal of Molecular Sciences* (Vol. 23, Issue 3). MDPI. <https://doi.org/10.3390/ijms23031376>
- Chernenko, A., Meeks, H., & Smith, K. R. (2019). Examining validity of body mass index calculated using height and weight data from the US driver license. *BMC Public Health*, *19*(1). <https://doi.org/10.1186/s12889-019-6391-3>

- Delsmann, M. M., Strahl, & A., Mühlendorf, & M., Jandl, N. M., Beil, F. T., Ries, & C., & Rolvien, & T. (2021). *High prevalence and undertreatment of osteoporosis in elderly patients undergoing total hip arthroplasty*. <https://doi.org/10.1007/s00198-021-05881-y>/Published
- Deng, C., Gillette, J. C., & Derrick, T. R. (2021). Finite element analysis of femoral neck strains during stair ascent and descent. *Scientific Reports*, *11*(1). <https://doi.org/10.1038/s41598-021-87936-y>
- Dersch, G., & Winkler, H. (2022). *Periprosthetic Joint Infection (PJI)-Results of One-Stage Revision with Antibiotic-Impregnated Cancellous Allograft Bone-A Retrospective Cohort Study*. <https://doi.org/10.3390/antibiotics11030310>
- Dilogo, I. H., & Djaja, Y. P. (2021). *Buku Ajar Penggantian Sendi Panggul (Total Hip Replacement)*. Universitas Indonesia.
- Fischer, A., Fitzgerald, M., Curtis, K., & Balogh, Z. J. (2023). The Australian Trauma Registry (ATR): a leading clinical quality registry. In *European Journal of Trauma and Emergency Surgery* (Vol. 49, Issue 4, pp. 1639–1645). Springer Science and Business Media Deutschland GmbH. <https://doi.org/10.1007/s00068-023-02288-8>
- Germain, E., Lombard, C., Boubaker, F., Louis, M., Blum, A., Gondim-Teixeira, P. A., & Gillet, R. (2022). Imaging in Hip Arthroplasty Management—Part 1: Templating: Past, Present and Future. In *Journal of Clinical Medicine* (Vol. 11, Issue 18). MDPI. <https://doi.org/10.3390/jcm11185465>
- Gritsyuk, A., Lychagin, A., Yi, L., & Rosenberg, N. (2021). Clinical outcome of primary total hip arthroplasty in patients with morbid obesity—retrospective and prospective follow-up studies. *Medicina (Lithuania)*, *57*(11). <https://doi.org/10.3390/medicina57111247>
- Hopkins, M., & Blundell, J. E. (2022). Striking a balance: Orexigenic and energy-consuming effects of energy expenditure on body weight. In *Obesity* (Vol. 30, Issue 3, pp. 575–576). John Wiley and Sons Inc. <https://doi.org/10.1002/oby.23393>
- Hung, C. Y., Chang, C. H., Lin, Y. C., Lee, S. H., Chen, S. Y., & Hsieh, P. H. (2019). Predictors for Unfavorable Early Outcomes in Elective Total Hip Arthroplasty:

- Does Extreme Body Mass Index Matter? *BioMed Research International*, 2019. <https://doi.org/10.1155/2019/4370382>
- Jeong, S. M., Lee, D. H., Rezende, L. F. M., & Giovannucci, E. L. (2023). Different correlation of body mass index with body fatness and obesity-related biomarker according to age, sex and race-ethnicity. *Scientific Reports*, 13(1). <https://doi.org/10.1038/s41598-023-30527-w>
- Kementrian Kesehatan RI. (2018). *RISKESDAS 2018*.
- Kokong, D. D., Pam, I. C., Zoakah, A. I., Danbauchi, S. S., Mador, E. S., & Mandong, B. M. (2018). Estimation of weight in adults from height: A novel option for a quick bedside technique. *International Journal of Emergency Medicine*, 11(1). <https://doi.org/10.1186/s12245-018-0212-9>
- Korfitsen, C. B., Mikkelsen, L. R., Mikkelsen, M. L., Rohde, J. F., Holm, P. M., Tarp, S., Carlsen, H. H. F., Birkefoss, K., Jakobsen, T., Poulsen, E., Leonhardt, J. S., Overgaard, S., & Mechlenburg, I. (2023). Hip precautions after posterior-approach total hip arthro-plasty among patients with primary hip osteoarthritis do not influence early recovery: a systematic review and meta-analysis of randomized and non-randomized studies with 8,835 patients. *Acta Orthopaedica*, 94, 141–151. <https://doi.org/10.2340/17453674.2023.11958>
- Kusumaningayu Puspitarini, D., Supartono, B., Suciati, Y., Studi Sarjana Kedokteran, P., & Kedokteran Universitas Pembangunan Nasional Veteran Jakarta, F. (2021). Hubungan antara Kelebihan Berat Badan dengan Kekuatan Tulang Perempuan Lansia. In *Online) Jurnal Ilmiah Kedokteran Wijaya Kusuma* (Vol. 10, Issue 2).
- Le Moli, R., Vella, V., Tumino, D., Piticchio, T., Naselli, A., Belfiore, A., Frasca, F., Elizabeth Ludgate, M., Incerpi, S., Duntas, L. H., & Moli, L. R. (2022). *Inflammasome activation as a link between obesity and thyroid disorders: Implications for an integrated clinical management OPEN ACCESS EDITED BY*. <https://doi.org/10.3389/fendo.2022.959276>
- Luger, M., de Vries, M., Feldler, S., Hipmair, G., Gotterbarm, T., & Klasan, A. (2023). A propensity score-matched analysis on the impact of patient and surgical factors on early periprosthetic joint infection in minimally invasive

- anterolateral and transgluteal total hip arthroplasty. *Archives of Orthopaedic and Trauma Surgery*, 143(8), 5405–5415. <https://doi.org/10.1007/s00402-022-04756-z>
- Luger, M., Hochgatterer, R., Schopper, C., Pisecky, L., Allerstorfer, J., Klasan, A., Gotterbarm, T., & Schauer, B. (2021). Obesity in short stem total hip arthroplasty using a minimally invasive supine anterolateral approach—a risk factor for short-term complications? *International Orthopaedics*, 45(11), 2833–2841. <https://doi.org/10.1007/s00264-021-05079-1>
- Lunz, A., Von Falkenhayn, M., Jaeger, S., Reiner, T., Merle, C., Streit, M. R., Renkawitz, T., & Innmann, M. M. (2023). Minimum 20-year follow-up of a press-fit acetabular cup in cementless total hip replacement in young patients. *Acta Orthopaedica*, 94, 321–327. <https://doi.org/10.2340/17453674.2023.13385>
- Makhdom, A. M., & Hozack, W. J. (2023). Direct anterior versus direct lateral hip approach in total hip arthroplasty with the same perioperative protocols one year post fellowship training. *Journal of Orthopaedic Surgery and Research*, 18(1). <https://doi.org/10.1186/s13018-023-03716-6>
- Mashour, G. A., Palanca, B. J. A., Basner, M., Li, D., Wang, W., Blain-Moraes, S., Lin, N., Maier, K., Muench, M., Tarnal, V., Vanini, G., Ochroch, E. A., Hogg, R., Schwartz, M., Maybrier, H., Hardie, R., Janke, E., Golmirzaie, G., Picton, P., ... Kelz, M. B. (2021). Recovery of consciousness and cognition after general anesthesia in humans. *ELife*, 10. <https://doi.org/10.7554/eLife.59525>
- Moisander, A. M., Pamilo, K., Eskelinen, A., Huopio, J., Kautiainen, H., Kuitunen, A., & Paloneva, J. (2023). Venous thromboembolism is rare after total hip and knee joint arthroplasty with long thromboprophylaxis in Finnish fast-track hospitals. *Archives of Orthopaedic and Trauma Surgery*, 143(9), 5623–5629. <https://doi.org/10.1007/s00402-023-04842-w>
- Moisander, A., Pamilo, K., Eskelinen, A., Huopio, J., Kautiainen, H., Kuitunen, A., Mustonen, P., & Paloneva, J. (2022). Low incidence of clinically relevant bleeding complications after fast-track arthroplasty: a register study of 8,511

- arthroplasties. *Acta Orthopaedica*, 93, 348–354.
<https://doi.org/10.2340/17453674.2022.2207>
- Morris, J. L., Letson, H. L., Biros, E., McEwen, P. C., & Dobson, G. P. (2022). Female rats have a different healing phenotype than males after anterior cruciate ligament rupture with no intervention. *Frontiers in Medicine*, 9.
<https://doi.org/10.3389/fmed.2022.976980>
- Mosconi, P., Guerra, T., Paletta, P., D’Ettore, A., Ponzio, M., Battaglia, M. A., Amato, M. P., Bergamaschi, R., Capobianco, M., Comi, G., Gasperini, C., Patti, F., Pugliatti, M., Ulivelli, M., Trojano, M., Lepore, V., Aguglia, U., Amato, M., Ancona, A., ... Zarbo, R. (2023). Data monitoring roadmap. The experience of the Italian Multiple Sclerosis and Related Disorders Register. *Neurological Sciences*, 44(11), 4001–4011. <https://doi.org/10.1007/s10072-023-06876-9>
- Motomura, G., Hamai, S., Ikemura, S., Fujii, M., Kawahara, S., Yoshino, S., & Nakashima, Y. (2021). Contemporary indications for first-time revision surgery after primary cementless total hip arthroplasty with emphasis on early failures. *Journal of Orthopaedic Surgery and Research*, 16(1).
<https://doi.org/10.1186/s13018-021-02298-5>
- O’Connor, J. P., Holden, P., & Gagnier, J. J. (2022). Systematic review: preoperative psychological factors and total hip arthroplasty outcomes. In *Journal of Orthopaedic Surgery and Research* (Vol. 17, Issue 1). BioMed Central Ltd.
<https://doi.org/10.1186/s13018-022-03355-3>
- Ogoun, T. R., Sarah, T. P., & Adekoya, I. D. (2022). Body mass index assessment of ekowe, ikianbiri and nangi-ama indigenes of Bayelsa State, Nigeria. *International Journal of Advances in Medicine*, 9(2), 71.
<https://doi.org/10.18203/2349-3933.ijam20220113>
- Özdemir, E., Kuijpers, F. L., Schreurs, W., & Rijnen, W. H. C. (2023). Long-term follow-up of 96 patients younger than age 25 with 119 primary cemented total hip arthroplasties. *Acta Orthopaedica*, 94, 102–106.
<https://doi.org/10.2340/17453674.2023.9410>

- Pavlovic, N., Harris, I. A., Boland, R., Brady, B., Genel, F., & Naylor, J. (2023). The effect of body mass index and preoperative weight loss in people with obesity on postoperative outcomes to 6 months following total hip or knee arthroplasty: a retrospective study. *Arthroplasty*, 5(1). <https://doi.org/10.1186/s42836-023-00203-5>
- Perdomo, C. M., Avilés-Olmos, I., Dicker, D., & Frühbeck, G. (2023). *Towards an adiposity-related disease framework for the diagnosis and management of obesities*. 24, 795–807. <https://doi.org/10.1007/s11154-023-09797-2>
- Peshkova, M., Lychagin, A., Lipina, M., Di Matteo, B., Anzillotti, G., Ronzoni, F., Kosheleva, N., Shpichka, A., Royuk, V., Fomin, V., Kalinsky, E., Timashev, P., & Kon, E. (2022). Gender-Related Aspects in Osteoarthritis Development and Progression: A Review. In *International Journal of Molecular Sciences* (Vol. 23, Issue 5). MDPI. <https://doi.org/10.3390/ijms23052767>
- Pes, M., Pulino, A., Pisanu, F., & Manunta, A. F. (2023). UP-TO DATE REVIEW AND CASE REPORT Why malnutrition in orthopaedic elective patient is still an issue? A recent review of the literature. *European Journal of Orthopaedic Surgery & Traumatology*, 3. <https://doi.org/10.1007/s00590-023-03593-z>
- Petohazi, A., Musbahi, O., Akilapa, O., Gee, M., & Harnett, P. (2022). 392 *Outcomes of Anatomical Custom Patient-Specific Implants After 3D CT Pre-Operative Planning for Complex Hip Conditions*.
- Rana, A. J., Sturgeon, C. M., McGrory, B. J., Frazier, M. V., & Babikian, G. M. (2022). The ABLE Anterior-Based Muscle-Sparing Approach: A Safe and Effective Option for Total Hip Arthroplasty. *Arthroplasty Today*, 16, 264-269.e1. <https://doi.org/10.1016/j.artd.2022.06.007>
- Ren, X., Ling, L., Qi, L., Liu, Z., Zhang, W., Yang, Z., Wang, W., Tu, C., & Li, Z. (2021). Patients' risk factors for periprosthetic joint infection in primary total hip arthroplasty: a meta-analysis of 40 studies. *BMC Musculoskeletal Disorders*, 22(1). <https://doi.org/10.1186/s12891-021-04647-1>
- Rocha Darze, B., Borges De Oliveira, Q., Santos Viana, M., Sahade Darze, E., & Fonteles Ritt, L. E. (2022). *Influence of obesity on the safety and efficacy of antithrombotic therapy: a systematic review and meta-analysis*.

https://academic.oup.com/eurheartj/article/43/Supplement_2/ehac544.2710/6745591

- Salis, Z., & Sainsbury, A. (2023). Association Between Change in Body Mass Index and Knee and Hip Replacements: A Survival Analysis of Seven to Ten Years Using Multicohort Data. *Arthritis Care and Research*, 75(6), 1340–1350. <https://doi.org/10.1002/acr.25021>
- Sambandam, S., Serbin, P., Senthil, T., Varatharaj, S., Sakthivelnathan, V., Ramanan, S. P., & Mounasamy, V. (2023). Patient Characteristics, Length of Stay, Cost of Care, and Complications in Super-Obese Patients Undergoing Total Hip Arthroplasty: A National Database Study. *CiOS Clinics in Orthopedic Surgery*, 15(3), 380–387. <https://doi.org/10.4055/cios22180>
- Saroufim, R., & Fuqua, J. S. (2022). The Variability of Growth and Puberty in Growth Hormone-treated Children Born Small for Gestational Age. In *Journal of Clinical Endocrinology and Metabolism* (Vol. 107, Issue 10, pp. E4263–E4264). Endocrine Society. <https://doi.org/10.1210/clinem/dgac357>
- Sayre Id, E. C., Guermazi, A., Nicolaou, S., Esdaile, J. M., Kopec, J. A., Singer, J., Wong, H., Thorne, A., & Cibere, J. (2021). *A whole-joint, unidimensional, irreversible, and fine-grained MRI knee osteoarthritis severity score, based on cartilage, osteophytes and meniscus (OA-COM)*. <https://doi.org/10.1371/journal.pone.0258451>
- Schmerler, J., Hussain, N., Kurian, S. J., Khanuja, H. S., Oni, J. K., & Hegde, V. (2024a). Preoperative weight loss before total hip arthroplasty negatively impacts postoperative outcomes. *Arthroplasty*, 6(1). <https://doi.org/10.1186/s42836-024-00237-3>
- Schmerler, J., Hussain, N., Kurian, S. J., Khanuja, H. S., Oni, J. K., & Hegde, V. (2024b). Preoperative weight loss before total hip arthroplasty negatively impacts postoperative outcomes. *Arthroplasty*, 6(1). <https://doi.org/10.1186/S42836-024-00237-3>
- Schmitz, D., Ek, W. E., Berggren, E., Höglund, J., Karlsson, T., & Johansson, Å. (2021). Genome-wide Association Study of Estradiol Levels and the Causal Effect of Estradiol on Bone Mineral Density. *Journal of Clinical*

- Endocrinology and Metabolism*, 106(11), E4471–E4486.
<https://doi.org/10.1210/clinem/dgab507>
- Shevenell, B. E. ; M. J. ; F. L. ; M. B. ; B. G. ; R. A. J. (2023). *Outcomes of morbidly obese patients undergoing total hip arthroplasty with the anterior-based muscle-sparing approach*. <https://doi.org/10.1302/2633-1462.45.BJO2022-0140.R2>
- Shi, J., Fan, K., Yan, L., Fan, Z., Li, F., Wang, G., Liu, H., Liu, P., Yu, H., Li, J. J., & Wang, B. (2022). Cost Effectiveness of Pharmacological Management for Osteoarthritis: A Systematic Review. In *Applied Health Economics and Health Policy* (Vol. 20, Issue 3, pp. 351–370). Adis. <https://doi.org/10.1007/s40258-022-00717-0>
- Shimamura, M., Katayama, N., & Ohura, H. (2023). Mean 14-year Outcomes of Hybrid Total Hip Arthroplasty Using Bulk Femoral Head Autografts for Acetabular Reconstruction. *Journal of Arthroplasty*, 38(12), 2667–2672. <https://doi.org/10.1016/j.arth.2023.06.013>
- Singh, J. A., Yu, S., Chen, L., & Cleveland, J. D. (2019). Rates of total joint replacement in the United States: Future projections to 2020-2040 using the national inpatient sample. *Journal of Rheumatology*, 46(9), 1134–1140. <https://doi.org/10.3899/jrheum.170990>
- Solarino, G., Vicenti, G., Piazzolla, A., Maruccia, F., Notarnicola, A., & Moretti, B. (2021). Total hip arthroplasty for dysplastic coxarthrosis using a cementless Wagner Cone stem. *Journal of Orthopaedics and Traumatology*, 22(1). <https://doi.org/10.1186/s10195-021-00578-8>
- Stolarczyk, A., Stolarczyk, M., Stępiński, P., Dorocińska, M. K., Świercz, M., Szymczak, J., Żarnovsky, K., Żuchniewicz, A., & Maciąg, B. M. (2021). The direct anterior approach to primary total hip replacement: Radiological analysis in comparison to other approaches. In *Journal of Clinical Medicine* (Vol. 10, Issue 11). MDPI. <https://doi.org/10.3390/jcm10112246>
- Thoen, P. S., Lygre, S. H. L., Nordsletten, L., Furnes, O., Stigum, H., Hallan, G., & Röhr, S. M. (2022). Risk factors for revision surgery due to dislocation within 1 year after 111,711 primary total hip arthroplasties from 2005 to 2019: a study

- from the Norwegian Arthroplasty Register. *Acta Orthopaedica*, 93, 593–601.
<https://doi.org/10.2340/17453674.2022.3474>
- Torini, A. P., Barsotti, C. E., Andrade, R. M., Nali, L. H. da S., & Ribeiro, A. P. (2023a). Effect of Total Hip Arthroplasty with Ceramic Acetabular Component on Clinical, Radiographic and Functional Parameters in Older Patients with Hip Osteoarthritis: Two-Year Follow-Up. *Journal of Clinical Medicine*, 12(2).
<https://doi.org/10.3390/jcm12020670>
- Torini, A. P., Barsotti, C. E., Andrade, R. M., Nali, L. H. da S., & Ribeiro, A. P. (2023b). Effect of Total Hip Arthroplasty with Ceramic Acetabular Component on Clinical, Radiographic and Functional Parameters in Older Patients with Hip Osteoarthritis: Two-Year Follow-Up. *Journal of Clinical Medicine*, 12(2). <https://doi.org/10.3390/jcm12020670>
- Umiatin, U., Indrasari, W., Taryudi, T., & Dendi, A. F. (2022). Development of a Multisensor-Based Non-Contact Anthropometric System for Early Stunting Detection. *Journal of Sensor and Actuator Networks*, 11(4).
<https://doi.org/10.3390/jsan11040069>
- van Erp, J. H. J., Hüsken, M. F. T., Filipe, M. D., Snijders, T. E., Kruyt, M. C., de Gast, A., & Schlösser, T. P. C. (2023). Did the dislocation risk after primary total hip arthroplasty decrease over time? A meta-analysis across six decades. *Archives of Orthopaedic and Trauma Surgery*, 143(7), 4491–4500.
<https://doi.org/10.1007/s00402-022-04678-w>
- Wang, Z., Hou, J. zhao, Wu, C. hua, Zhou, Y. jiang, Gu, X. ming, Wang, H. hong, Feng, W., Cheng, Y. xiao, Sheng, X., & Bao, H. wei. (2018). A systematic review and meta-analysis of direct anterior approach versus posterior approach in total hip arthroplasty. In *Journal of Orthopaedic Surgery and Research* (Vol. 13, Issue 1). BioMed Central Ltd. <https://doi.org/10.1186/s13018-018-0929-4>
- Waseso, L. B., & Supartono, B. (2018). PHYSICAL ACTIVITY AND THE STRENGTH OF BONE IN MENOPAUSE PATIENTS IN NATIONAL SPORTS HOSPITAL IN 2017. In *Berkala Kedokteran* (Vol. 14, Issue 1).
- Wier, J., Firoozabadi, R., & Patterson, J. T. (2024). Obesity classification predicts early complications and mortality after acetabular fracture. *European Journal*

- of *Orthopaedic Surgery and Traumatology*, 34(7), 3473–3481.
<https://doi.org/10.1007/s00590-023-03633-8>
- Willburger, R. E., Brinkhoff, F., Nottenkämper, J., Krapp, J., & Oberberg, S. (2021). Analysis of intercondylar notch size and shape in patients with cyclops syndrome after anterior cruciate ligament reconstruction. *Journal of Orthopaedic Surgery and Research*, 17, 147. <https://doi.org/10.1186/s13018-022-02959-z>
- World Health Organization. (2022). *WHO Guidelines on Physical Activity and Sedentary Behaviour*.
- Wulan, S. N., Raza, Q., Pramita, H. S., Martati, E., Maligan, J. M., Mageshwari, U., Fatima, I., & Plasqui, G. (2021). *Energy Metabolism in Relation to Diet and Physical Activity: A South Asian Perspective*. <https://doi.org/10.20944/preprints202108.0442.v1>
- Zhu, X., Yang, M., Mu, J., Wang, Z., Zhang, L., Wang, H., & Yan, F. (2022). The Effect of General Anesthesia vs. Regional Anesthesia on Postoperative Delirium—A Systematic Review and Meta-Analysis. In *Frontiers in Medicine* (Vol. 9). Frontiers Media S.A. <https://doi.org/10.3389/fmed.2022.844371>
- Zhu, Y., Wang, Z., Maruyama, H., Onoda, K., & Huang, Q. (2022). Body Fat Percentage and Normal-Weight Obesity in the Chinese Population: Development of a Simple Evaluation Indicator Using Anthropometric Measurements. *International Journal of Environmental Research and Public Health*, 19(7). <https://doi.org/10.3390/ijerph19074238>
- Zwierzchowska, A., Kantyka, J., Rosołek, B., Nawrat-Szołtysik, A., & Małecki, A. (2022). Sensitivity and Specificity of Anthropometric Indices in Identifying Obesity in Women over 40 Years of Age and Their Variability in Subsequent Decades of Life. *Biology*, 11(12). <https://doi.org/10.3390/biology11121804>