

DAFTAR PUSTAKA

- Albert, H. B. Kjaer, T.S. Jensen, J. S. Bendix, T. Manniche, C. (2007). Modic changes, possible causes and relation to low back pain. *ScienceDirect*, 70(2), pp.361-368.
- Alpayci, M. Bulut, M. D. Yazmalar, L. Yavuz, A. Toprak, M. Koparan, I. H. *et al.* (2016). The relationship between facet joint osteoarthritis and Modic changes of the lumbar spine: a retrospective magnetic resonance imaging study. *Turkish Society of Physical Medicine and Rehabilitation*, 62(4), pp.308-313.
- Asher, A. (2020). *The Anatomy of Vertebral End Plates*. Available from: <https://www.verywellhealth.com/vertebral-end-plates-296473>. (Accessed 31 Juni 2021)
- Atwater, J. G. (2018). *Laminectomy Surgery for Facet Joint Arthritis*. Available from: Laminectomy Surgery for Facet Joint Arthritis | Orthopedic Blog (osamds.com) (Accessed 31 Oktober 2021)
- Azzainuri, (2013). *Koefisien Cohen's Kappa*. Available from: <https://parameterd.wordpress.com/2013/09/24/koefisien-cohens-kappa/> (Accessed 29 September 2021)
- Bin. Yuan, J. Ding, H. Wan, B. Jiang, Q. Luo, Y. *et al.* (2019). Relationship between Endplate Defects, Modic Change, Disc Degeneration, and Facet Joint Degeneration in Patients with Low Back Pain. *Hindawi BioMed Research International*. Article ID 9369853
- Biyani, A. Gunnar B. J. Andersson. (2004). Low Back Pain: Pathophysiology and Management. *Journal of the American Academy of Orthopaedic Surgeons*, 12(2), pp:106-115.
- Bradley, W. G. (2007). Low Back Pain. *American Journal of Neuroradiology*, 28(5), pp.990-992.
- Braten, L.C. H. Schistad, E. L. Espeland, A. Kristoffersen, P. M. Haugen, A. J. Marchand, G. H. (2020). Association of Modic change types and their short tau inversion recovery signals with clinical characteristics- a cross sectional study of chronic low back pain patients in the AIM-study. *BMC Musculoskeletal Disorders* volume, 2, pp. 368
- Duthey, B. (2013). Low Back pain. *Priority Medicines for Europe and the World "A Public Health Approach to Innovation*, BP 6.24.

- Chen, Y. Bao J. Yan, Q. Wu, C. Yang, H. Zou, J. (2019). Distribution of Modic changes in patients with low back pain and its related factors. *European Journal of Medical Research*, 24(1), pp.2-9.
- Ehrlich, G. E. (2003). Low Back Pain. *Bulletin of the World Health Organization*, 81 (9), pp.671-676.
- Erica. (2021). *Vertebral End Plates Definition*. Available from : <https://www.spine-health.com/glossary/vertebral-end-plates>. (Accessed 31 Juni 2021)
- Eustice, C. (2020). *Facet Joint Osteoarthritis Causes and Treatment*. Available from: <https://www.verywellhealth.com/what-is-facet-joint-osteoarthritis-2552314> (Accessed 22 Juni 2021)
- Fujiwara, A. Tamai, K. Yamato, M. Howard. Yoshida, H. Saotome, K. *et al.* (1999). The relationship between facet joint osteoarthritis and disc degeneration of the lumbar spine: an MRI study. *European Spine Journal*, 8(4), pp.396–401.
- Kristoffersen P. M. Vetti, N. Storheim, K. Bråten, L. C. Rolfsen, M.P. Assmus, J. *et al.* (2020). Short tau inversion recovery MRI of Modic changes: a reliability study. *Acta Radiologica Open*, 9(1), pp. 1-10.
- Goode, A. Carey, T. S. Jordan J. M. (2013). Low Back Pain and Lumbar Spine Osteoarthritis: How Are They Related?. *Current Rheumatology Reports*. 15(2), pp.305-317.
- Guo, R. Yang, X. Zhong, Y. Lai, Q. Gao, T. Lai, F. *et al.* (2018). Correlations between Modic change and degeneration in 3-joint complex of the lower lumbar spine A retrospective study. *Medicine*, 97(38), pp.1-8.
- Hayashi, Y. (2004). Classification, Diagnosis, and Treatment of Low Back Pain. *Journal of the Japan Medical Association*, 128(12), pp.227–233.
- Hines, T. (2018). *Anatomy of the spine*. Available from: <https://mayfieldclinic.com/pe-anatospine.htm>. (Accessed 07 Juli 2021)
- Huang, H.K. (2010). *Pacs And Imaging Informatics Basic Principles And Applications* (online). Available from: <https://onlinelibrary.wiley.com/doi/book/10.1002/9780470560525> (Accessed 23 Juli 2021)
- Kalichman, L. Hunter, D. (2007). Lumbar Facet Joint Osteoarthritis: A Review. *Seminars in Arthritis and Rheumatism*, 37, pp. 69-80.

- Kalichman, L. Ling Li, Kim D, Guermazi, A. Berkin, V. Donnell, C. *et al.* (2008). Facet joint osteoarthritis and low back pain in the community-based population. *Spine (Phila Pa)*. 33(23), pp. 2560–2565.
- Kent, P. M. Keating, J. L. (2005). The epidemiology of low back pain in primary care. *Chiropractic & Osteopathy*. 13(13), pp.1-7.
- Kim, J. H. Sharan, A. Cho, W. Emam, M. Hagen, M. Kim, S. Y. (2019). The Prevalence of Asymptomatic Cervical and Lumbar Facet Arthropathy: A Computed Tomography Study. *Asian Spine Journal*, 13(5), pp.1-6.
- Koroshetz, w. J. (2020). *Low Back Pain Fact Sheet*. Available at: <https://www.ninds.nih.gov/Disorders/Patient-Caregiver-Education/Fact-Sheets/Low-Back-Pain-Fact-Sheet> (Accessed: 24 Juni 2021)
- Kushchayev, s. v. Glushko, T. Jarraya, M. Schuleri, K. H. Preul, M. C. Brooks, M. L. *et al.* (2018). ABCs of the degenerative spine. *Insights into Imaging*, 9, pp. 253–274
- Lai, Q. Liu, Y. Huang, L. Liu, X. Yu, X. Wang, Q. *et al.* (2017). Expression of adiponectin in the subchondral bone of lumbar facet joints with different degrees of degeneration. *BMC Musculoskeletal Disorders*, 18(427), pp.1-8.
- Lozt, J. C. Fields, A. J. Liebenberg, E. C. (2013). The Role of the Vertebral End Plate in Low Back Pain. *Global Spine Journal*, 3(3), pp. 153-164.
- Manchikanti, L. Manchikanti, K. N. Cash, K. A. Singh, V. Giordano, J. (2008). Age-related prevalence of facet-joint involvement in chronic neck and low back pain. *Pain Physician*, 11, pp.67-75
- Manniche, C. (2014). Vertebral endplate (modic) changes and the treatment of back pain using antibiotics. *The International Journal of Clinical Practice*, 11(6), 585–590
- Meucci, R.D. Fassa, G. A. Faria, N.M.X. (2015). Prevalence of chronic low back pain. systematic review. *Rev Saúde Pública*, 49(73), pp. 1-10
- Mok, F. Samartzis, D. Karppinen, J. Fong, D. Luk, K. Cheung, K. (2016). Modic changes of the lumbar spine: prevalence, risk factors, and association with disc degeneration and low back pain in a large-scale population-based cohort. *The Spine Journal*, 16(1), pp. 32-41.
- Nadja, Amacker, F. Farshad, M. Winklehner, A. Andreisek, G. (2015). MR-Imaging of Degenerative Disc Disease. *European Journal of Radiology*. 84(9), pp.768-76.

- Novitasari, D. D. Sadeli, H.A. Soenggono, A. Sofiatin, Y. Sukandar, H. Roesli, R. M.A. (2016). Prevalence and Characteristics of Low Back Pain among Productive Age Population in Jatinangor. *Althea Medical Journal*, 3(3), pp. 469-4786.
- Peloza, J. (2017). *Lower Back Pain Symptoms, Diagnosis, and Treatment*. Available from: <https://www.spine-health.com/conditions/lower-back-pain/lower-back-pain-symptoms-diagnosis-and-treatment> (Accessed 23 Juni 2021)
- Rahme, R. Moussa, R. (2008). The Modic Vertebral Endplate and Marrow Changes: Pathologic Significance and Relation to Low Back Pain and Segmental Instability of the Lumbar Spine. *American Journal of Neuroradiology*, 29 (5),pp.838-842.
- Sarwono, J. (2006). *Metode Penelitian Kuantitatif dan Kualitatif*. Yogyakarta: Graha Ilmu.
- Sastroasmoro, S. (2011). *Dasar-dasar Metodologi Penelitian Klinis*. 4th ed. Jakarta: Sagung Seto
- Syarifah, N. Y. (2017). Karakteristik Manajemen Nyeri Pada Lansia dengan Low Back Pain di Puskesmas Depok III Yogyakarta, *MKKI*, 5(1), pp.77-85.
- Theakston, V. (2020). *The Lumbar Spine*. Available from: <https://teachmeanatomy.info/abdomen/bones/lumbar-spine/> (Accessed 23 Juni 2021)
- Tischer, T. Aktas, T. Milz, S. Putz, R. V. (2006). Detailed pathological changes of human lumbar facet joints L1–L5 in elderly individuals. *European Spine Journal*, 15,pp. 308–315.
- Ullrich, P. (2001). *Facet Joint Osteoarthritis*. Available from: <https://www.spine-health.com/conditions/arthritis/facet-joint-osteoarthritis> (Accessed 24 Juni 2021)
- Varlotta, G.P. Lefkowitz, T. R. Schweitzer, M. Errico, T. J. Spivak, J. Bendo, J. A. *et al.* (2010). Detailed pathological changes of human lumbar facet joints L1–L5 in elderly individuals. *European Spine Journal*, 15, pp.308–315.
- Wang, Y. Videman, T. Battie, M. C. (2012). Modic Changes: Prevalence, Distribution Patterns and Association with Age in Caucasian Men. *National Institutes of Health*, 12(5),pp.411–416
- Weerakkody, Y. and Faizi, F. R. 2020. *Facet joint arthropathy*. Available from: <https://radiopaedia.org/articles/facet-joint-arthropathy>. (Accessed 18 Agustus 2021)

Zhou, X. Liu, Y. Zhou¹, S. Xiao-Xing Fu, X. Yu, X. Fu, C. *et al.* (2016). The correlation between radiographic and pathologic grading of lumbar facet joint degeneration. *BMC Medical Imaging*, 16(27),pp.1-8.