

## DAFTAR PUSTAKA

- Allegri, M., Montella, S., Salici, F., Valente, A., Marchesina, M., Compagnone, C., Baciarello, M., Manferdini, M.E., Fanelli, G. (2016). Mechanisms of low back pain : a guide for diagnosis and therapy. *F1000 research*. doi: 10.12688/f1000research.8105.2
- Amin, R. M., Andrade, N. S., Neuman, B. J. (2017). Lumbar disc herniation. *Current Reviews in musculoskeletal medicine*, 10(4). pp:507–516. doi: 10.1007/s12178-017-9441-4
- Azharuddin. (2014). Skor prediksi klinis terhadap keberhasilan terapi konservatif hernia nukleus pulposus lumbal. *Disertasi*. Fakultas Kedokteran. Universitas Gadjah Mada, Yogyakarta
- Boxem, K.V., Meij, N., Patijn, J., Wilmink, J., Kleef, M., Zundert, J.V., Kessels, A. (2016). Predictive factors for successful outcome of pulsed radiofrequency treatment in patients with intractable lumbosacral radicular pain. *Pain medicine*. doi: 10.1093/pm/pnv052
- Boxem, V., Bilsen, J., Meij, N., Herrler, A., Kessels, F., Zundert, J., Kleef, M. (2018). Pulsed radiofrequency treatment adjacent to the lumbar dorsal root ganglion for the management of lumbosacral radicular syndrome :a clinical audit. *The Academic of american pain medicine*, 12. pp:1322–1330
- Cahana, A., Zudert, J., Macrea, L., Kleef, M., Sluitjer, M. (2006). Pulsed radiofrequency:current clinical and biological liturature available. *Pain medicine*, 7.pp:411-423
- Chang, M.C. (2018). Efficacy of pulsed radiofrequency stimulation in patients with peripheral neuropathic pain: a narrative review. *Pain phisician journal*, 21. pp:E225-E234
- Cheng, J. G., Rosenquist, R. W. (2018). *Fundamentals of pain medicine*. Springer. Switzerland. doi: 10.1097/01.nrl.0000162955.44879.8b
- Cho, H.K., Cho, Y.W., Kim, E.H., Sluijter, M.E., Hwang, S.J., Ahn, S.H. (2013). Changes in pain behavior and glial activation in the spinal dorsal horn after pulsed radiofrequency current administration to the dorsal root ganglion in a rat model of lumbar disc herniation: laboratory investigation. *J neurosurg spine*, 19. pp:256-263
- Choi, G.S., Ahn, S.H., Cho, Y.W., Lee, D.G. (2012). Long-term effect of pulsed

radiofrequency on chronic cervical radicular pain refractory to repeated transforaminal epidural steroid injections. *Pain medicine*, 13.pp: 368–375

- Cohen, S.P., Peterlin, B.L., Fulton, L., Neely, E.T., Kurihara, C., Gupta, A., Mali, J., Fu, D.C., Jacobs, M.B., Plunkett, A. R., Verdun, A.J., Stojanovic, M.P., Hanling, S., Constantinescu, O., White, R.L., McLean, B.C., Pasquina, P.F., Zhao, Z. (2015). Randomized, double-blind, comparative-effectiveness study comparing pulsed radiofrequency to steroid injections for occipital neuralgia or migraine with occipital nerve tenderness. *Pain journal online*, 156.pp:2585-2595
- Das, B., Conroy, M., Moore, D., Lysaght, J., Mccrory, C. (2018). Human dorsal root ganglion pulsed radiofrequency treatment modulates cerebrospinal fluid lymphocytes and neuroinflammatory markers in chronic radicular pain. *Elsevier*, 70. pp:157-165
- Deniz, S., Bakal, O., Inangil, G. (2016). Application of Radiofrequency in Pain Management. *Intechopen*. <http://dx.doi.org/10.5772/100803>
- Dwi, I., Dan, P., Probandari, A. (2013). *Rancangan penelitian eksperimental murni dan kuasi-eksperimental*. pp. 164–168
- Erdine S., Bilir, A., Cosman, E.R., Cosman, E.R. Jr. (2009). Ultrastructural changes in axons following exposure to pulsed radiofrequency fields. *Pain pract*, 9. pp:407-417
- Facchini, G., Spinnato, P., Guglielmi, G., Albisinni, U., Bazzocchi, A. (2017). A comprehensive review of pulsed radiofrequency in the treatment of pain associated with different spinal conditions. *British institute of radiology journal*. 90: 20150406
- Gauci, C. A. (2011). *Manual practice of RF*. 3<sup>rd</sup> ed. CoMedical. United Kingdom.
- Hagiwara, S., Iwasaka, H., Takeshima, N., Noguchi, T. 2009. Mechanisms of analgesic action of pulsed radiofrequency on adjuvant-induced pain in the rat: Roles of descending adrenergic and serotonergic systems. *Eur j pain*, 13. pp:249-252
- Hao, D. J., Duan, K., Liu, T. J., Wang, W. T. (2017). Development and clinical application of grading and classification criteria of lumbar disc herniation. *Medicine*, 47
- Hellinger, S. (2014). Treatment of contained lumbar disc herniations using radiofrequency assisted micro-tubular decompression and nucleotomy: four year prospective study results. *International journal of spine surgery*, 8. pp. 1–17. doi: 10.14444/1024

- Jamil, N. A. (2017). *Teknik Sampling*. doi: 10.13140/RG.2.2.30724.12160
- Kawakami, M., Matsumoto, T., Tamaki, T. (2001). Roles of thromboxane A2 and leukotriene B4 in radicular pain induced by herniated nucleus pulposus. *Journal of orthopaedic research*, 19.pp:472-477
- Khalifa, O. Y. A., Saadalla, A. E. T. (2017). Steroids versus pulsed radiofrequency in treatment of radicular pain due to lumbar disc prolapse : a randomized clinical trial. *Research and opinion in anesthesia & intensive Care*.pp:184–187. doi: 10.4103/roaic.roaic
- Kim, D.K., Oh, C.H., Lee, M.S., Yoon, S.H., Park, H.C., Park, C.O. (2011). Prevalence of lumbar disc herniation in adolescent males in seoul, korea. *Korean spine journal*, 8(4):261-266
- Kim, S.J., Park, S.J., Yoon, D.M., Yoon, K.B., Kim, S.H. (2018). Predictors of the analgesic efficacy of pulsed radiofrequency treatment in patients with chronic lumbosacral radicular pain: a retrospective observational study. *Journal of pain research*, 11.pp.1223-1230.
- Koh, W., Choi, S.S., Karm, M.H., Suh, J.H., Leem, J.G., Lee, J.D., Kim, Y.K., Shin, J. (2015). Treatment of chronic lumbosacral radicular pain using adjuvant pulsed radiofrequency: a randomized controlled study. *Pain medicine*, 16.pp:432--441.
- Krames, E.S. (2014). The role of the dorsal root ganglion in the development of neuropathic pain. *Pain medicine*, 15.pp:1669-1685.
- Lee, D. G., Ahn, S.H., Lee, J. (2016). Comparative effectiveness of pulsed radiofrequency and transforaminal steroid Injection for radicular pain due to disc herniation:a prospective randomized trial. *Bullet j korean med sci*, 31. pp. 1324–1330. doi: 10.3346/jkms.2016.31.8.1324.
- Li, W., Liu, Y. C., Zheng, C. F., Miao, J., Chen, H., Quan, H. Y., Yan, S. H., Zhang, K. (2018). Diagnosis of compressed nerve root in lumbar disc herniation patients by surface electromyography. *Chinese orthopaedic Association and john wiley and sons australia, Ltd*, 10.pp.1–9.doi: 10.1111/os.12362.
- Li, Y., Fredrickson, V. dan Resnick, D. K. (2015). How should we grade lumbar disc herniation and nerve root compression:a systematic review. *Clinical orthopaedics and related research*, 473(6), pp.1896–1902. doi: 10.1007/s11999-014-3674-y.
- Luchtmann, M., Firsching, R. (2016). Lumbar disc herniation:evidence-based

guidelines—a review. *The Indian practitioner*, 69(3).

- Ma, D., Liang, Y., Wang, D., Liu, Z., Zhang, W., Ma, T., Zhang, L., Lu, X., Cai, Z. 2013. Trend of the incidence of lumbar disc herniation: decreasing with aging in the elderly. *Clinical interventions in aging*, 8. pp:1047–1050.
- Marcia, S., Saba, L. (2017). *Radiofrequency treatments on the spine*. [e-book]. Springer. doi: 10.1007/978-3-319-41462-1.
- Menchetti, P. P. M. (2014). *Minimally invasive surgery of the lumbar spine*. [e-book]. Springer. doi: 10.1007/978-1-4471-5280-4.
- Moon, H. S., Kim, Y. D., Song, B. H., Cha, Y. D., Song, J.H., Lee, M. H. (2010). Position of dorsal root ganglia in the lumbosacral region in patients with radiculopathy. *Korean J Anesthesiol*, 59(6).pp: 398-402. DOI: 10.4097/kjae.2010.59.6.398
- Noble, B., Clark, D., Meldrum, M., Have, H., Seymour, J., Winslow, M., Paz, S. 2005. The Measurement of Pain, 1945–2000. *Journal of Pain and Symptom Management*, 26.pp:14-20.
- Partini, P., T. (2002). Telaah kritis makalah uji klinis. *Sari Pediatri*, 2(1).pp:45-48.
- Pedoman praktis memantau status gizi orang dewasa. (2018). Kemenkes. <http://gizi.depkes.go.id/wp-content/uploads/2011/10/ped-praktis-stat-gizi-dewasa.doc>. Diakses pada 14 Maret 2019.
- Philips, F.M., Lauryssen, C. (2010). *The lumbar intervertebral discs*. Thieme.
- Pinto, R.Z., Verwoerd, A.J.H., Koes, B.W. (2017). Which pain medications are effective for sciatica (radicular leg pain)?. *BMJ*, 359. doi: 10.1136/bmj.j4248.
- Postacchini, F., (1999). *Lumbar disc herniation*. [e-book]. Springer.
- Sapunar, D., Kostic, S., Banozic, A., Puljak, L. (2012). Dorsal root ganglion – a potential new therapeutic target for neuropathic pain. *Journal of pain research*, 5.pp:31-28
- Shanthanna, H., Chan, P., Mcchesney, J., Thabane, L., Paul, J. (2014). Pulsed radiofrequency treatment of the lumbar dorsal root ganglion in patients with chronic lumbar radicular pain: a randomized, placebo-controlled pilot study. *Journal of pain research*, 7. pp:47–55. <http://www.trialsjournal.com/content/13/1/52>.

- Shapiro, I.M., Risbud, M.V. (2014). *The intervertebral discs*. [e-book]. Springer.
- Silverstein, M.P., Romrell, L.J., Benzel, E.C., Thompson, N., Griffith, S., Lieberman, I.G. (2015). Lumbar dorsal root ganglia location: an anatomic and mri assessment. *International journal of spine surgery*.
- Simundic, A.M. (2013). Bias in research. *Biochemia Medica*. 23(1):12–5. DOI: 10.11613/BM.2013.003
- Sluijter, M.E., Chua, N.H.L., Fisher, K.C. (2010). Pulsed radiofrequency treatment in interventional pain management: mechanisms and potential indications-a review. *Acta neurochir*, 153.pp:763-771.DOI:10.1007/s00701-010-0881-5.
- Sluitjer, M.E., Imani, F. (2013). Evolution and mode of action of pulsed radiofrequency. *Anesth pain*. doi:10.5812/aapm.10213.
- Sumarni, S., Gofir, A., Subagya. (2013). Peranan pulsed radiofrekuensi (PRF) pada nyeri sendi facet lumbal. *Referat*. Fakultas Kedokteran UGM, Yogyakarta.
- Surahman. (2016). Metodologi penelitian. *Modul Bahan Ajar Cetak Farmasi*.pp: 232.
- Suza, D.E., Petpichehtchian, W., Songwathana, P. (2010). Comparison of pain experiences between javanese and batak patients undergoing major surgery in medan, indonesia. *Songklanagarind medical journal*, 25(4).pp:247–258.
- Teraguchi, M., Yoshimura, N., Hashizume, Z.H., Muraki, S., Yamada, H., Minamide, A. Oka, H., Ishimoto, Y., Nagata, K., Kagotani, R., Takiguchi, N., Akune, T., Kawaguchi H., Nakamura, K., Yoshida, M. (2013). Prevalence and distribution of intervertebral disc degeneration over the entire spine in a population-based cohort: the wakayama spine study. *Osteoarthritis research society international*, 22.pp:104-110.
- Thackeray, A., Fritz, J.M., Lurie, J.D. (2017). Nonsurgical treatment choices by individuals with lumbar intervertebral disc herniation in the united states associations with long-term outcomes. *American journal of physical medicine & rehabilitation*, 96. pp.557-564.
- Tonosu, J., Takeshita, K., Hara, N., Matsudaira, K., Kato, S., Masuda, K., Chikuda, H. (2012). The normative score and the cut-off value of the Oswestry Disability Index (ODI). *Eur Spine J*, 21. pp:1596–1602. DOI 10.1007/s00586-012-2173-7.

- Trinidad, J. M., Carnota, A. I., Failde, I., Torres, L. M. (2015). Clinical study radiofrequency for the treatment of lumbar radicular pain: impact on surgical indications. *Pain research and treatment*. doi: 10.1155/2015/392856.
- Vallejo, R., Tilley, D.M., Williams, J., Labak, S., Aliaga, L., Benyamin, R.M. (2013). Pulsed radiofrequency modulates pain regulatory gene expression along the nociceptive pathway. *Pain physician*, 16. pp:E601-E613.
- Yudiyanta, Khoirunnisa, N., Novitasari, R.W. (2015). Assessment nyeri. *Cermin Dunia Kedokteran*-226, 42(3).pp:214–234.
- Zeng, Z., Yan, M., Dai, Y., Qiu, W., Deng, S., Gu, X. (2016). Percutaneous bipolar radiofrequency thermocoagulation for the treatment of lumbar disc herniation. *Journal of clinical neuroscience*.pp:39–43. doi: 10.1016/j.jocn.2015.10.050.

