

## DAFTAR PUSTAKA

- Amato, A.C.M., Stolf, N.A.G., 2015. Anatomy of spinal blood supply. *J. Vasc. Bras.* 14, 248–252.
- Badan Penelitian dan Pengembangan Kesehatan, 2013. Riset Kesehatan Dasar (RISKESDAS) 2013. *Lap. Nas.* 2013 1–384. <https://doi.org/10.24090/riskesdas2013> Desember 2013
- Balitbang Kemenkes RI, 2019. Riset Kesehatan Dasar 2018. *Lap. Nas.* 2018.
- Bray, F., Ferlay, J., Soerjomataram, I., Siegel, R.L., Torre, L.A., Jemal, A., 2018. Global cancer statistics 2018: GLOBOCAN estimates of incidence and mortality worldwide for 36 cancers in 185 countries. *CA. Cancer J. Clin.* 68, 394–424.
- Bushong, S.C., Clarke, G., 2015. *Magnetic Resonance Imaging Physical and Biological Principle*, 4th ed. Elsevier Inc.
- Byrne, J.V., 2017. *Tutorials in Endovascular Neurosurgery and Interventional Neuroradiology*. Springer International, Oxford.
- C.Zajick, D., Morrison, W.B., Schweitzer, M.E., Parellada, J.A., Carrino, J.A., 2005. Benign and Malignant Processes : Normal Values and Differentiation with Chemical Shift MR Imaging in Vertebral Study Group : Pathologic Analysis. *Radiology* 237, 590–6.
- Dahlan, M.S., 2017. *Statistik untuk Kedokteran dan Kesehatan*, 6th ed. Epidemiologi Indonesia, Jakarta.
- Dixon, W.T., 1984. Simple Proton Spectroscopic Imaging. *Radiology* 189–194.
- Douis, H., Davies, A.M., Jeys, L., Sian, P., 2015. Chemical shift MRI can aid in the diagnosis of indeterminate skeletal lesions of the spine. *Eur. Radiol.* 932–940.
- El-Samie, H.A.E.K.A., El-Ghany, H.S.A., 2015. The value of added opposed/in phase MRI sequences in characterization of the focal vertebral bone marrow lesions in oncology patients. *Egypt. J. Radiol. Nucl. Med.* 46, 727–732.
- Guerini, H., Omoumi, P., Guichoux, F., Vuillemin, V., Morvan, G., Zins, M., Thevenin, F., Drape, J.L., 2015. Fat Suppression with Dixon Techniques in Musculoskeletal Magnetic Resonance Imaging: A Pictorial Review. *Semin. Musculoskelet. Radiol.* 19, 335–347.
- Harel, R., Angelov, L., 2010. Spine metastases: Current treatments and future directions. *Eur. J. Cancer* 46, 2696–2707.
- Huijgen, W.H.F., van Rijswijk, C.S.P., Bloem, J.L., 2019. Is fat suppression in T1 and T2 FSE with mDixon superior to the frequency selection-based SPAIR technique in musculoskeletal tumor imaging? *Skeletal Radiol.*

- Kemenkes RI, 2019. Hari Kanker Sedunia 2019 [WWW Document]. URL <http://www.depkes.go.id/article/view/19020100003/hari-kanker-sedunia-2019.html>
- Kim, D.H., Yoo, H.J., Hong, S.H., Choi, J.Y., Chae, H.D., Chung, B.M., 2017. Differentiation of acute osteoporotic and malignant vertebral fractures by quantification of fat fraction with a Dixon MRI sequence. *Am. J. Roentgenol.* 209, 1331–1339.
- Kim, Y.P., Kannengiesser, S., Paek, M., Kim, S., Chung, T.-S., Yoo, Y.H., Yoon, C.-S., Song, H.-T., Lee, Y.H., Suh, J.-S., 2014. Differentiation between Focal Malignant Marrow- Replacing Lesions and Benign Red Marrow Deposition of the Spine with T2 \* -Corrected Fat-Signal Fraction Map Using a Three-Echo Volume Interpolated Breath-Hold Gradient Echo Dixon Sequence. *Korean J. Radiol.* 15, 781–791.
- Langley, R.R., Fidler, I.J., 2011. The seed and soil hypothesis revisited-The role of tumor-stroma interactions in metastasis to different organs. *Int. J. Cancer* 128, 2527–2535.
- M. Dahlan, S., 2011. Menentukan Besar Sampel. *Statistik untuk kedokteran dan kesehatan*. Salemba Medika.
- M.Delfaut, E., Beltran, J., Johnson, G., Rousseau, J., Marchandise, X., Cotten, A., 1999. Fat Suppression in MR Imaging: Techniques and Pitfalls. *Radiographics* 19, 373–382.
- Maccauro, G., Spinelli, M.S., Mauro, S., Perisano, C., Graci, C., Rosa, M.A., 2011. Physiopathology of Spine Metastasis. *Int. J. Surg. Oncol.* 2011, 1–8.
- Moulopoulos, L.A., Koutoulidis, V., 2015. *Bone Marrow MRI A Pattern-Based Approach*, 1st ed. Springer-Verlag Italia, Milan.
- O’Sullivan, G.J., 2015. Imaging of bone metastasis: An update. *World J. Radiol.* 7, 202.
- Perrin, R.G., Laxton, A.W., 2004. Metastatic spine disease: Epidemiology, pathophysiology, and evaluation of patients. *Neurosurg. Clin. N. Am.* 15, 365–373.
- Rathore, R., Parihar A, Dwivedi DK, Dwivedi AK, Kohli N, Garg RK, Chandra A, 2017. Predictive models in differentiating vertebral lesions using multiparametric mri. *Am. J. Neuroradiol.* 38, 2391–2398.
- Roodman, G.D., Guise, T., 2015. Mechanisms of osteolytic and osteoblastic skeletal lesions. *Prim. Metab. Bone Dis. Disord. Miner. Metab.* 4, 739–742.
- Santillan, A., Nacarino, V., Greenberg, E., Riina, H.A., Gobin, Y.P., Patsalides, A., 2012. Vascular anatomy of the spinal cord. *J. Neurointerv. Surg.* 4, 67–74.
- Sastroasmoro, S., 2011. *Dasar-dasar metodologi penelitian klinis*, 4th ed. Sagung Seto, Jakarta.

- Schmid-Alliana, A., Schmid-Antomarchi, H., Al-Sahlanee, R., Lagadec, P., Scimeca, J.C., Verron, E., 2018. Understanding the progression of bone metastases to identify novel therapeutic targets. *Int. J. Mol. Sci.* 19.
- Shah, L.M., Salzman, K.L., 2011. *Imaging of Spinal Metastatic Disease* 2011.
- Shah, L.M., Salzman, K.L., 2011. *Imaging of Spinal Metastatic Disease*. *Int. J. Surg. Oncol.* 2011, 1–12.
- Shetty, A.S., Sipe, A.L., Zulfiqar, M., Tsai, R., Raptis, D.A., Raptis, C.A., Bhalla, S., 2019. In-phase and opposed-phase imaging: Applications of chemical shift and magnetic susceptibility in the chest and abdomen. *Radiographics* 39, 115–135.
- Tadros, M.Y., Louka, A.L., 2016. Discrimination between benign and malignant in vertebral marrow lesions with diffusion weighted MRI and chemical shift. *Egypt. J. Radiol. Nucl. Med.* 47, 557–569.
- van Vucht, N., Santiago, R., Lottmann, B., Pressney, I., Harder, D., Sheikh, A., Saifuddin, A., 2019. The Dixon technique for MRI of the bone marrow. *Skeletal Radiol.*
- Vuong, S.M., Jeong, W.J., Morales, H., Abruzzo, T.A., 2016. Vascular Diseases of the Spinal Cord: Infarction, Hemorrhage, and Venous Congestive Myelopathy. *Semin. Ultrasound, CT MRI* 37, 466–481.
- Wells-Roth, D., Zonenshayn, M., 2003. Vascular Anatomy of the Spine. *Oper. Tech. Neurosurg.* 6, 116–121.
- Westbrook, C., Roth, C.K., Talbot, J., 2011. *MRI in practice*, 4th ed. Willey Blackwell.
- Y, R., Y, E., Gheita, T., Hawaas, M., Rasker, J.J., 2016. Differentiation of Osteoporotic and Neoplastic Vertebral Fractures by Chemical Shift {In-Phase and Out-of Phase} Magnetic Resonance Imaging and Diffusion Weighted Sequence. *MOJ Orthop. Rheumatol.* 6.
- Yilmaz Ovali, G., Düzgün, F., Farasat, M., Orguc, S., 2017. Benign versus malignant vertebral compression, chemical shift MR imaging, is it useful? *Iran. J. Radiol.* 14, 6–9.