

DAFTAR PUSTAKA

1. Mirabello L, Troisi RJ, Savage SA. International osteosarcoma incidence patterns in children and adolescents, middle ages and elderly persons. *Int J Cancer*. 2009 July 1;125(1):229–34.
2. Isakoff MS, Bielack SS, Meltzer P, Gorlick R. Osteosarcoma: Current treatment and a collaborative pathway to success. *J Clin Oncol*. 2015 Sept 20;33(27):3029–35.
3. Bielack SS, Carrle D, Harges J, Schuck A, Paulussen M. Bone tumors in adolescents and young adults. *Curr Treat Options Oncol*. 2008 Feb;9(1):67–80.
4. Aghi M, Cohen KS, Klein RJ, Scadden DT, Chiocca EA. Tumor stromal-derived factor-1 recruits vascular progenitors to mitotic neovasculature, where microenvironment influences their differentiated phenotypes. *Cancer Res*. 2006 Sept 15;66(18):9054–64.
5. Holick MF. Vitamin D deficiency. *N Engl J Med*. 2007 July 19;357(3):266–81.
6. Suzuki K, Takaharu K, Muto Y, Ichida K, Fukui T, Takayama Y, et al. XELIRI regimen plus continuous treatment with bevacizumab is well-tolerated and effective in metastatic colorectal cancer patients in a second-line setting involving the sequential administration of XELOX and XELIRI. *Mol Clin Oncol*. 2014 Sept;2(5):827–32.
7. Chen J, Sun M-X, Hua Y-Q, Cai Z-D. Prognostic significance of serum lactate dehydrogenase level in osteosarcoma: a meta-analysis. *J Cancer Res Clin Oncol*. 2014 July;140(7):1205–10.
8. Bacci G, Ferrari S, Sangiorgi L, Picci P, Casadei R, Orlandi M, et al. Prognostic significance of serum lactate dehydrogenase in patients with osteosarcoma of the extremities. *J Chemother*. 1994 June;6(3):204–10.
9. Ottaviani G, Jaffe N. The epidemiology of osteosarcoma. *Cancer Treat Res*. 2009;152:3–13.
10. Mulatsih S, Hanifah A, Oktasari R. The clinical evaluation and survival rate of pediatric sarcoma in Dr. Sardjito General Hospital, Yogyakarta, Indonesia. *Indonesian Journal of Cancer*. 2024 Dec 23;18(4):460–5.
11. Epidemiology of musculoskeletal tumors in Sardjito hospital Yogyakarta Indonesia [Internet]. Edorium Journals Pvt. Ltd.; 2020. Available from: <http://dx.doi.org/10.5348/100005m05rm2018oa>
12. Kamal AF, Widyawarman H, Husodo K, Hutagalung EU, Rajabto W. Clinical outcome and survival of osteosarcoma patients in Cipto Mangunkusumo Hospital: Limb salvage surgery versus amputation. *Acta Med Indones*. 2016 July;48(3):175–83.
13. Mahyudin F, Edward M, Basuki MH, Bari YA, Suwandani Y. Osteosarcoma has not become attention to society profile of osteosarcoma patients at Dr. Soetomo General Hospital Surabaya “a retrospective study.” *(JOINTS) Journal Orthopaedi and Traumatology Surabaya*. 2019 Dec 6;7(1):20.

14. Siregar Y, Nasution H, Lubis B. Clinical outcomes of osteosarcoma in H. Adam Malik General Hospital Medan: A retrospective study. *Asian Pac J Cancer Prev.* 2021;22(8):2491–7.
15. Wadayama B, Toguchida J, Shimizu T, Ishizaki K, Sasaki MS, Kotoura Y, et al. Mutation spectrum of the retinoblastoma gene in osteosarcomas. *Cancer Res.* 1994 June 1;54(11):3042–8.
16. Velletri T, Xie N, Wang Y, Huang Y, Yang Q, Chen X, et al. P53 functional abnormality in mesenchymal stem cells promotes osteosarcoma development. *Cell Death Dis.* 2016 Jan 21;7(1):e2015.
17. Kansara M, Teng MW, Smyth MJ, Thomas DM. Translational biology of osteosarcoma. *Nat Rev Cancer.* 2014 Nov;14(11):722–35.
18. Broadhead ML, Clark JCM, Myers DE, Dass CR, Choong PFM. The molecular pathogenesis of osteosarcoma: a review. *Sarcoma.* 2011 Apr 13;2011:959248.
19. de Azevedo JWV, de Medeiros Fernandes TAA, Fernandes JV Jr, de Azevedo JCV, Lanza DCF, Bezerra CM, et al. Biology and pathogenesis of human osteosarcoma. *Oncol Lett.* 2020 Feb;19(2):1099–116.
20. Zheng Y, Wang G, Chen R, Hua Y, Cai Z. Mesenchymal stem cells in the osteosarcoma microenvironment: their biological properties, influence on tumor growth, and therapeutic implications. *Stem Cell Res Ther.* 2018 Jan 31;9(1):22.
21. Sun Z, Wang S, Zhao RC. The roles of mesenchymal stem cells in tumor inflammatory microenvironment. *J Hematol Oncol.* 2014 Feb 6;7(1):14.
22. Kundu ZS. Classification, imaging, biopsy and staging of osteosarcoma. *Indian J Orthop.* 2014 May;48(3):238–46.
23. Chui MH, Kandel RA, Wong M, Griffin AM, Bell RS, Blackstein ME, et al. Histopathologic features of prognostic significance in high-grade osteosarcoma. *Arch Pathol Lab Med.* 2016 Nov;140(11):1231–42.
24. Rozeman LB, Cleton-Jansen AM, Hogendoorn PCW. Pathology of primary malignant bone and cartilage tumours. *Int Orthop.* 2006 Dec;30(6):437–44.
25. Durfee RA, Mohammed M, Luu HH. Review of osteosarcoma and current management. *Rheumatol Ther.* 2016 Dec;3(2):221–43.
26. George A, Grimer R. Early symptoms of bone and soft tissue sarcomas: could they be diagnosed earlier? *Ann R Coll Surg Engl.* 2012 May;94(4):261–6.
27. Kumar VS, Barwar N, Khan SA. Surface osteosarcomas: Diagnosis, treatment and outcome. *Indian J Orthop.* 2014 May;48(3):255–61.
28. Nascimento D, Suchard G, Hatem M, de Abreu A. The role of magnetic resonance imaging in the evaluation of bone tumours and tumour-like lesions. *Insights Imaging.* 2014 Aug;5(4):419–40.

29. Franzius C, Daldrup-Link HE, Sciuk J, Rummeny EJ, Bielack S, Jürgens H, et al. FDG-PET for detection of pulmonary metastases from malignant primary bone tumors: comparison with spiral CT. *Ann Oncol.* 2001 Apr;12(4):479–86.
30. Soares do Brito J, Santos R, Sarmiento M, Fernandes P, Portela J. Chemotherapy regimens for non-metastatic conventional appendicular osteosarcoma: A literature review based on the outcomes. *Curr Oncol.* 2023 June 27;30(7):6148–65.
31. Misaghi A, Goldin A, Awad M, Kulidjian AA. Osteosarcoma: a comprehensive review. *SICOT J.* 2018 Apr 9;4:12.
32. Jaffe N, Frei E 3rd, Traggis D, Watts H. Weekly high-dose methotrexate-citrovorum factor in osteogenic sarcoma: pre-surgical treatment of primary tumor and of overt pulmonary metastases. *Cancer.* 1977 Jan;39(1):45–50.
33. Xu J, Xie L, Guo W. Neoadjuvant chemotherapy followed by delayed surgery: Is it necessary for all patients with nonmetastatic high-grade pelvic osteosarcoma? *Clin Orthop Relat Res.* 2018 Nov;476(11):2177–86.
34. Harrison DJ, Geller DS, Gill JD, Lewis VO, Gorlick R. Current and future therapeutic approaches for osteosarcoma. *Expert Rev Anticancer Ther.* 2018 Jan;18(1):39–50.
35. Breden S, Beischl S, Hinterwimmer F, Consalvo S, Knebel C, von Eisenhart-Rothe R, et al. Surgical margin analysis in osteosarcoma: Impact on survival and local control. *Cancers (Basel).* 2025 Aug 6;17(15):2581.
36. Lips P. Worldwide status of vitamin D nutrition. *J Steroid Biochem Mol Biol.* 2010 July;121(1–2):297–300.
37. Cashman KD, Kiely M. Tackling inadequate vitamin D intakes within the population: fortification of dairy products with vitamin D may not be enough. *Endocrine.* 2016 Jan;51(1):38–46.
38. Wortsman J, Matsuoka LY, Chen TC, Lu Z, Holick MF. Decreased bioavailability of vitamin D in obesity. *Am J Clin Nutr.* 2000 Sept;72(3):690–3.
39. Kurucu N, Şahin G, Sarı N, Ceylaner S, İlhan İE. Association of vitamin D receptor gene polymorphisms with osteosarcoma risk and prognosis. *J Bone Oncol.* 2019 Feb;14(100208):100208.
40. Clemens TL, Adams JS, Henderson SL, Holick MF. Increased skin pigment reduces the capacity of skin to synthesise vitamin D₃. *Lancet.* 1982 Jan 9;1(8263):74–6.
41. Webb AR, Kline L, Holick MF. Influence of season and latitude on the cutaneous synthesis of vitamin D₃: exposure to winter sunlight in Boston and Edmonton will not promote vitamin D₃ synthesis in human skin. *J Clin Endocrinol Metab.* 1988 Aug;67(2):373–8.
42. Fu Y, Lan T, Cai H, Lu A, Yu W. Meta-analysis of serum lactate dehydrogenase and prognosis for osteosarcoma. *Medicine (Baltimore).* 2018 May;97(19):e0741.



UNIVERSITAS
GADJAH MADA

Hubungan antara Kadar Vitamin D dan Laktat Dehidrogenase (LDH) terhadap Stadium, Luaran Fungsi dan

Angka Kesintasan pada Pasien Osteosarkoma di RSUP Dr. Sardjito Yogyakarta, Indonesia

Prisilla Desfiandi, Dr. dr. Rahadyan Magetsari, Sp.O.T.Subsp.Onk.Ort.R(K).; Dr. dr. Yuni Artha Prabowo P, Sp.O.T.S

Universitas Gadjah Mada, 2025 | Diunduh dari <http://etd.repository.ugm.ac.id/>

43. Liberti MV, Locasale JW. The Warburg Effect: How does it benefit cancer cells? Trends

Biochem Sci. 2016 Mar;41(3):211–8.