

DAFTAR PUSTAKA

- RK A, AKA V. Neutrophil-lymphocyte ratio and platelet-lymphocyte ratios correlate with staging in patients with colorectal carcinoma. 2020;7(12):4094–4100.
- Amin MB, Greene FL, Edge SB, Compton CC, Byrd DR, Winchester DP. The Eighth Edition AJCC Cancer Staging Manual: Continuing to build a bridge from a population-based to a more personalized approach to cancer staging. *CA Cancer J Clin*. 2017;67(2):93–99. doi:10.3322/caac.21388
- Beal EW, Cloyd JM. Neutrophil-to-lymphocyte ratio in colorectal liver metastases: Simply prognostic or clinically relevant? *Ann Surg Oncol*. 2021;28(8):4072–4073. doi:10.1245/s10434-021-10054-6
- Chaudhry SR, Liman MNP, Omole AE, Peterson DC. Anatomy, abdomen and pelvis: stomach. In: *StatPearls* [Internet]. Treasure Island (FL): StatPearls Publishing; 2025. PMID: 29493959
- Dupont WD, Plummer WD. Power and sample size calculations for studies involving linear regression. *Stat Med*. 1998;17(6):589–601.
- Edna TH, Lydersen S. Prevalence of anaemia at diagnosis of colorectal cancer: assessment of associated risk factors. 2016. doi:10.5754/hge11479
- Forget P, Khalifa C, Defour JP, Latinne D, Van Pel MC. What is the normal value of the neutrophil-to-lymphocyte ratio? *BMC Res Notes*. 2017;10:12. doi:10.1186/s13104-016-2335-5
- Gvirtzman R, Livovsky DM, Tahover E, Goldin E, Koslowsky B. Anemia can predict the prognosis of colorectal cancer in the preoperative stage: a retrospective analysis. *World J Surg Oncol*. 2021;19:156. doi:10.1186/s12957-021-02452-7
- Goubran HA, Stakiw J, Radosevic M, Burnouf T. Platelets effects on tumor growth. *Semin Oncol*. 2014. doi:10.1053/j.seminoncol.2014.04.006
- Hossain S, Karuniawati H, Jairoun AA, Urbi Z. Colorectal cancer: a review of carcinogenesis, global epidemiology, current challenges, risk factors, preventive and treatment strategies. 2022.
- Huang X, Huan Y, Liu L, Ye Q, Guo J, Yan B. Preoperative low absolute lymphocyte count to fibrinogen ratio correlated with poor survival in nonmetastatic colorectal cancer. *World J Surg Oncol*. 2022;20:317. doi:10.1186/s12957-022-02775
- World Health Organization. *Haemoglobin concentrations for the diagnosis of anaemia and assessment of severity*. Geneva: WHO; 2011.
- Hemminki K, Santi I, Weires M, Thomsen H, Sundquist J, Bermejo JL. Tumor location and patient characteristics of colon and rectal adenocarcinomas in

- relation to survival and TNM classes. *BMC Cancer*. 2010;10:688. doi:10.1186/1471-2407-10-688
- Ho CH, Yu YB, Wu PH. The prevalence of iron deficiency anemia and its clinical implications in patients with colorectal carcinoma. *J Gastroenterol Hepatol*. 2008;71(3):3–6.
- Joachim C, Macni J, Drame M, et al. Overall survival of colorectal cancer by stage at diagnosis. 2019;35.
- Kim JH, Lee JY, Kim HK, et al. Prognostic significance of the neutrophil-to-lymphocyte ratio and platelet-to-lymphocyte ratio in patients with stage III and IV colorectal cancer. *World J Gastroenterol*. 2017;23(3):505–515. doi:10.3748/wjg.v23.i3.505
- Lalosevic MS, Markovic AP, Stankovic S, et al. Combined diagnostic efficacy of neutrophil-to-lymphocyte ratio, platelet-to-lymphocyte ratio, and mean platelet volume as biomarkers of systemic inflammation in colorectal cancer. *Dis Markers*. 2019;2019:1–8.
- Ozdemir Y, Akin ML, Sucullu I, Balta AZ. Pretreatment neutrophil/lymphocyte ratio as a prognostic aid in colorectal cancer. *Asian Pac J Cancer Prev*. 2014;15:2647–2650.
- Purnomo H, Handaya Y, Setyawan N. Neutrophil-to-hemoglobin lymphocyte ratio (NHLR) as a novel biomarker is superior to NLR and PLR as predictors of advanced colorectal cancer. 2023:47–52.
- Raskov H. Cytotoxic CD8+ T cells in cancer and cancer immunotherapy. *Br J Cancer*. 2020. doi:10.1038/s41416-020-01048-4
- Sung H, Ferlay J, Siegel RL, et al. Global cancer statistics 2020: GLOBOCAN estimates of incidence and mortality worldwide. *CA Cancer J Clin*. 2021;71(3):209–249. doi:10.3322/caac.21660
- Sideras K, Kwekkeboom J. Cancer inflammation and inflammatory biomarkers. *Transl Res*. 2014;27:28–31. doi:10.1111/tri.12229
- Spicer JD, McDonald B, Cools-Lartigue JJ, et al. Neutrophils promote liver metastasis via Mac-1–mediated interactions with circulating tumor cells. *Cancer Res*. 2012;72(16):3919–3928. doi:10.1158/0008-5472.CAN-11-2393
- Väyrynen JP, Tuomisto A, Väyrynen SA, et al. Preoperative anemia in colorectal cancer: relationships with tumor characteristics, systemic inflammation, and survival. *Sci Rep*. 2018;8:1126. doi:10.1038/s41598-018-19572-y
- Fearon ER, Vogelstein B. A genetic model for colorectal tumorigenesis. *Cell*. 1990;61(5):759–767.
- Lengauer C, Kinzler KW, Vogelstein B. Genetic instability in colorectal cancers. *Nature*. 1998;396(6712):643–649.
- Boland CR, Goel A. Microsatellite instability in colorectal cancer. *Gastroenterology*. 2010;138(6):2073–2087.

- Toyota M, Ahuja N, Ohe-Toyota M, Herman JG, Baylin SB, Issa JP. CpG island methylator phenotype in colorectal cancer. *Proc Natl Acad Sci U S A*. 1999;96(15):8681–8686.
- Issa JP. CpG island methylator phenotype in cancer. *Nat Rev Cancer*. 2004;4(12):988–993.
- Ogino S, Noshio K, Kirkner GJ, et al. CpG island methylator phenotype, microsatellite instability, BRAF mutation, and clinical outcome in colon cancer. *J Natl Cancer Inst*. 2009;101(20):1422–1433.
- Terzić J, Grivennikov S, Karin E, Karin M. Inflammation and colon cancer. *Gastroenterology*. 2010;138(6):2101–2114.
- Grivennikov SI, Greten FR, Karin M. Immunity, inflammation, and cancer. *Cell*. 2010;140(6):883–899.
- Pagès F, Berger A, Camus M, et al. Effector memory T cells, early metastasis, and survival in colorectal cancer. *N Engl J Med*. 2005;353(25):2654–2666.
- Hossain S, Singh A, Bandyopadhyay A, et al. Neutrophil-to-lymphocyte ratio, platelet-to-lymphocyte ratio, and neutrophil–hemoglobin–lymphocyte ratio as prognostic markers in colorectal cancer. *Cancer Med*. 2022;11(7):1425–1436.