

DAFTAR PUSTAKA

1. Brown JS, Amend SR, Austin RH, Gatenby RA, Hammarlund EU, Pienta KJ. Updating the definition of cancer. *Mol Cancer Res* [Internet]. 2023 Jul 19 [cited 2023 Oct 12];OF1–6. Available from: <https://pubmed.ncbi.nlm.nih.gov/37409952/>
2. Carcinoma - MeSH - NCBI [Internet]. [cited 2023 Oct 12]. Available from: <https://www.ncbi.nlm.nih.gov/mesh?Db=mesh&Cmd=DetailsSearch&Term=%22Carcinoma%22%5BMeSH+Terms%5D>
3. Age standardized (World) incidence rates, colorectal cancer, males, all ages. [cited 2023 Oct 12]; Available from: <https://gco.iarc.fr/today>
4. Penyakit Kanker di Indonesia Berada Pada Urutan 8 di Asia Tenggara dan Urutan 23 di Asia – P2P Kemenkes RI [Internet]. [cited 2023 Oct 12]. Available from: <http://p2p.kemkes.go.id/penyakit-kanker-di-indonesia-berada-pada-urutan-8-di-asia-tenggara-dan-urutan-23-di-asia/>
5. Makmun D, Simadibrata M, Abdullah M, Syam AF, Shatri H, Fauzi A, et al. Retrospective Study Colorectal cancer patients in a tertiary hospital in Indonesia: Prevalence of the younger population and associated factors. *World J Clin Cases*. 2021;9(32):9804–14.
6. RKBR Januari 2020 – canreg.fk.ugm.ac.id [Internet]. [cited 2023 Oct 12]. Available from: <https://canreg.fk.ugm.ac.id/laporan-data/registrasi-kanker-berbasis-rumah-sakit-dr-sardjito-fkkmk-ugm/januari-2020/>
7. Lubis MY, Abdullah M, Hasan I, Suwanto S. Probabilitas Temuan Kanker Kolorektal pada Pasien Simtomatik Berdasarkan Unsur-Unsur Asia Pacific Colorectal Screening (APCS). *J Penyakit Dalam Indones* [Internet]. 2017 Jan 27 [cited 2023 Oct 12];2(2):90. Available from: https://www.researchgate.net/publication/323852692_Probabilitas_Temuan_Kanker_Kolorektal_pada_Pasien_Simtomatik_Berdasarkan_Unsur-Unsur_Asia_Pacific_Colorectal_Screening_APCS
8. Irfan HP. Karakteristik Pasien Kanker Kolorektal Di RSUP DR. M. Djamil Padang Periode Januari-Desember 2017. Fakultas Kedokteran Universitas Andalas Padang; 2019.
9. Greten FR, Grivennikov SI. Inflammation and Cancer: Triggers, Mechanisms and Consequences. *Immunity* [Internet]. 2019 Jul 7 [cited 2023 Oct 12];51(1):27. Available from: [/pmc/articles/PMC6831096/](https://pubmed.ncbi.nlm.nih.gov/323852692/)
10. Mark A, Nyoman N, Dewi A, Surudarma W, Wayan I, Sumadi J. Faktor Risiko Kanker Kolorektal Di RSUP Sanglah Denpasar. *E-Jurnal Med Udayana* [Internet]. 2022 May 24 [Cited 2023 Oct 13];11(5):69–72. Available from: <https://ojs.unud.ac.id/index.php/eum/article/view/88239>

11. Simandjuntak URD. Rasio Platelet Limfosit (PLR) dan Rasio Neutrofil Limfosit (NLR) Pre Treatment Sebagai Faktor Prognostik Pasien Kanker Rektum Stadium II dan IV di RSUP H. Adam Malik Medan Tahun 2011-2013. Repos Institusi Univ Sumatera Utara. 2018;
12. Mármol I, Sánchez-de-Diego C, Dieste AP, Cerrada E, Yoldi MJR. Colorectal carcinoma: A general overview and future perspectives in colorectal cancer. *Int J Mol Sci.* 2017;18(1).
13. Alzahrani SM, Al Doghaither HA, Al-Ghafar AB. General insight into cancer: An overview of colorectal cancer (review). *Mol Clin Oncol.* 2021;15(6).
14. Sung H, Ferlay J, Siegel RL, Laversanne M, Soerjomataram I, Jemal A BF. Global Cancer Statistics 2020: GLOBOCAN Estimates of Incidence and Mortality Worldwide for 36 Cancers in 185 Countries. *CA Cancer J Clin.* 2021;May;71(3):
15. Moore KJ, Sussman DA, Koru-Sengul T. Age-specific risk factors for advanced stage colorectal cancer, 1981-2013. *Prev Chronic Dis.* 2018;15(8):1-6.
16. Munteanu I, Mastalier B. Genetics of colorectal cancer. *J Med Life.* 2014;7(4):507-11.
17. Byrne RM, Tsikitis VL. Colorectal polyposis and inherited colorectal cancer syndromes. *Ann Gastroenterol.* 2018;31(1):24-34.
18. Wells K, Wise PE. Hereditary Colorectal Cancer Syndromes. *Surg Clin North Am* [Internet]. 2017;97(3):605-25. Available from: <http://dx.doi.org/10.1016/j.suc.2017.01.009>
19. Farahmandlou N, Oryan S, Ahmadi R, Eidi A. Association of testosterone with colorectal cancer (HT29), human glioblastoma (A172) and human embryonic kidney (HEK293) cells proliferation. *Acta Endocrinol (Copenh).* 2017;13(2):144-9.
20. McLeod MR, Galoosian A, May FP. Racial and Ethnic Disparities in Colorectal Cancer Screening and Outcomes. *Hematol Oncol Clin North Am.* 2022;36(3):415-28.
21. Sudoyo AW. Colorectal cancer among young native Indonesians: A clinicopathological and molecular assessment on microsatellite instability. *Med J Indones* [Internet]. 2010;Vol. 19, N. Available from: <http://mji.ui.ac.id/v2/?page=journal.detail2&id=94>
22. Gram IT, Park SY, Wilkens LR, Haiman CA, Le Marchand L. Smoking-related risks of colorectal cancer by anatomical subsite and sex. *Am J Epidemiol.* 2020;189(6):543-53.
23. Cai S, Li Y, Ding Y, Chen K JM. Alcohol drinking and the risk of colorectal cancer death: a meta-analysis. *Eur J Cancer.* 2014;23(6):532-.
24. Rossi M, Anwar MJ, Usman A, Keshavarzian A, Bishehsari F. Colorectal

- cancer and alcohol consumption—populations to molecules. *Cancers* (Basel). 2018;10(2).
25. Tie G, Yan J, Khair L, Messina JA, Deng A, Kang J, et al. Hypercholesterolemia increases colorectal cancer incidence by reducing production of NKT and $\gamma\delta$ T cells from hematopoietic stem cells. *Cancer Res.* 2017;77(9):2351–62.
 26. Yamagishi H, Kuroda H, Imai Y, Hiraishi H. Molecular pathogenesis of sporadic colorectal cancers. *Chin J Cancer.* 2016;35(1):1–8.
 27. Pino MS, Chung DC. NIH Public Access The Chromosomal Instability Pathway in Colon Cancer. *Gastroenterology.* 2010;138(6):2059–72.
 28. Bhalla A, Zulfiqar M, Bluth MH. Molecular Diagnostics in Colorectal Carcinoma: Advances and Applications for 2018. *Clin Lab Med.* 2018;38(2):311–42.
 29. Zhao H, Wu L, Yan G, Chen Y, Zhou M, Wu Y, et al. Inflammation and tumor progression: signaling pathways and targeted intervention. *Signal Transduct Target Ther* [Internet]. 2021 Dec 1 [cited 2023 Oct 12];6(1). Available from: /pmc/articles/PMC8273155/
 30. Li K, Luo H, Huang L, Luo H, Zhu X. Microsatellite instability: A review of what the oncologist should know. *Cancer Cell Int* [Internet]. 2020;20(1). Available from: <https://doi.org/10.1186/s12935-019-1091-8>
 31. Vilar E, Gruber SB. Microsatellite instability in colorectal cancer: the stable evidence. *Nat Rev Clin Oncol.* 2010;7(3):153–62.
 32. Yan M, Zheng M, Niu R, Yang X, Tian S, Fan L, et al. Roles of tumor-associated neutrophils in tumor metastasis and its clinical applications. *Front Cell Dev Biol.* 2022;10(August):1–16.
 33. Bohorquez M, Sahasrabudhe R, Criollo A, Sanabria-Salas MC, Vélez A, Castro JM, et al. Clinical manifestations of colorectal cancer patients from a large multicenter study in Colombia. *Medicine (Baltimore)* [Internet]. 2016 [cited 2023 Oct 12];95(40). Available from: /pmc/articles/PMC5059046/
 34. Baran B, Mert Ozupek N, Yerli Tetik N, Acar E, Bekcioglu O, Baskin Y. Difference Between Left-Sided and Right-Sided Colorectal Cancer: A Focused Review of Literature. *Gastroenterol Res.* 2018;11(4):264–73.
 35. Jovic M, Arsenijevic N, Gajovic N, Jurisevic M, Jovanovic I, Jovanovic M, et al. Anemia of Inflammation in Patients With Colorectal Cancer: Correlation With Interleukin-1, Interleukin-33 and Galectin-1. *J Med Biochem.* 2022;41(1):79–90.
 36. Vega P, Valentín F, Cubiella J. Colorectal cancer diagnosis: Pitfalls and opportunities. *World J Gastrointest Oncol.* 2015;7(12):422–33.
 37. Zare-Bandamiri M, Fararouei M, Zohourinia S, Daneshi N, Dianatinasab M. Risk factors predicting colorectal cancer recurrence following initial treatment: A 5-year cohort study. *Asian Pacific J Cancer Prev.*

- 2017;18(9):2465–70.
38. Calanzani N, Chang A, Van Melle M, Pannebakker MM, Funston G, Walter FM. Recognising Colorectal Cancer in Primary Care. *Adv Ther* [Internet]. 2021;38(5):2732–46. Available from: <https://doi.org/10.1007/s12325-021-01726-6>
 39. Jin P, Yin FM, Sheng JQ. Endoscopic diagnosis and treatment of early colorectal cancer and precancerous lesions: current status and future prospects. *Zhonghua Yi Xue Za Zhi*. 2022;102(46):3650–3.
 40. Lugat A, Hulo P, Ansquer C, Touchefeu Y, Mirallié E, Bennouna J, et al. Carcinoembryonic antigen increase in a patient with colon cancer who have achieved complete remission and negative 18 f-fdg pet/ct: Don't forget the thyroid! *Curr Oncol*. 2021;28(4):2987–92.
 41. Ramdzan AR, Rahim MAA, Zaki AM, Zaidun Z, Nawati AM. Diagnostic accuracy of FOBT and colorectal cancer genetic testing: A systematic review & meta-analysis. *Ann Glob Heal*. 2019;85(1):1–10.
 42. Jodal HC, Helsing LM, Anderson JC, Lytvyn L, Vandvik PO, Emilsson L. Colorectal cancer screening with faecal testing, sigmoidoscopy or colonoscopy: A systematic review and network meta-analysis. *BMJ Open*. 2019;9(10).
 43. Putri S, Sandra A, Studi P, Iii D, Radiologi T, Tinggi S, et al. Penatalaksanaan Pemeriksaan Barium Enema Pada Bayi (Infant) Dengan Klinis Hirschprung Di Instalasi Radiologi Rsud Arifin Achmad Penatalaksanaan Pemeriksaan Barium Enema Pada Bayi (Infant) Dengan Klinis Hirschprung Di. 2021;8–9.
 44. Choi J. Computed tomography and magnetic resonance imaging evaluation of lymph node metastasis in early colorectal cancer. *World J Gastroenterol*. 2015;21(2):556.
 45. Baniyas L, Jung I, Chiciudean R, Gurzu S. From Dukes-MAC Staging System to Molecular Classification: Evolving Concepts in Colorectal Cancer. *Int J Mol Sci*. 2022;23(16).
 46. Tong GJ, Zhang GY, Liu J, Zheng ZZ, Chen Y, Niu PP, et al. Comparison of the eighth version of the American joint committee on cancer manual to the seventh version for colorectal cancer: A retrospective review of our data. *World J Clin Oncol*. 2018;9(7):148–61.
 47. Junginger T, Goenner U, Hitzler M, Trinh TT, Heintz A, Wollschläger D. Local excision followed by early radical surgery in rectal cancer: Long-term outcome. *World J Surg Oncol*. 2019;17(1):1–9.
 48. Rentsch M, Schiergens T, Khandoga A, Werner J. Surgery for colorectal cancer - Trends, developments, and future perspectives. *Visc Med*. 2016;32(3):184–91.
 49. Häfner MF, Debus J. Radiotherapy for colorectal cancer: Current standards

and future perspectives. *Visc Med.* 2016;32(3):172–7.

50. Yaffee P, Osipov A, Tan C, Tuli R, Hendifar A. Review of systemic therapies for locally advanced and metastatic rectal cancer. *J Gastrointest Oncol.* 2015;6(2):185–200.
51. Kountourakis P, Souglakos J, Gouvas N, Androulakis N, Athanasiadis A, Boukovinas I, et al. Adjuvant chemotherapy for colon cancer: A consensus statement of the Hellenic and Cypriot colorectal cancer study group by the HeSMO. *Ann Gastroenterol.* 2016;29(1):18–23.
52. Novillo A, Gaibar M, Romero-Lorca A, Gilsanz MF, Beltrán L, Galán M, et al. Efficacy of bevacizumab-containing chemotherapy in metastatic colorectal cancer and CXCL5 expression: Six case reports. *World J Gastroenterol.* 2020;26(16):1979–86.
53. Goldberg RM, Montagut C, Wainberg ZA, Ronga P, Audhuy F, Taieb J, et al. Optimising the use of cetuximab in the continuum of care for patients with metastatic colorectal cancer. *ESMO Open.* 2018;3(4):1–10.
54. Tang PA, Moore MJ. Aflibercept in the treatment of patients with metastatic colorectal cancer: Latest findings and interpretations. *Therap Adv Gastroenterol.* 2013;6(6):459–73.
55. SM S. BOH'S Pharmacy practice manual: a guide to the clinical experience. 3rd ed. Lippincott Williams and Wilkins; 2015.
56. Kumala I, Purnanto E, Mustofa FL, Saputra AL. Hubungan Usia, Jenis Kelamin, Dan Kadar Trigliserida Serum Dengan Kejadian Karsinoma Kolorektal Di RSUD Dr. H. Abdul Moeloek Tahun 2016-2018. *J Med Malahayati.* 2021;4(3):180–7.
57. Sanjaya IWB, Lestarini A, Dwi M, Bharata Y. Karakteristik Klinis pada Pasien Kanker Kolorektal yang Menjalani Kolonoskopi di RSUD Sanjiwani Gianyar Tahun 2019 - 2020. *Aesculapius Med J.* 2023;3(1):43–8.
58. Nikijuluw H, Akyuwen G, Taihuttu YM. Hubungan Antara Faktor Usia, Jenis Kelamin, Dan Obesitas Dengan Kejadian Kanker Kolorektal Di RSUD Dr M. Haulussy Ambon Periode 2013-2015. *Molucca Medica.* 2018;11(April):61–9.
59. Adilla A, Eka Mustika S. Hubungan Usia Dan Jenis Kelamin Terhadap Kejadian Kanker Kolorektal Relationship of Age and Gender To the Event of Colorectal Cancer. *J Kedokt STM (sains dan Teknol Med.* 2023;VI(1):53–9.
60. MH H, ASM J, MH U, TS S, MM A-J. Age and Gender in Relation to Colorectal Cancer in Najef Province: A Histopathological Study. *Acta Sci Pharm Sci.* 2021;5(3):72–81.
61. Pratama KP, Adrianto AA. Faktor-Faktor Yang Mempengaruhi Kejadian Kanker Kolorektal Stadium Iii Di Rsup Dr Kariadi Semarang. *Diponegoro Med J (Jurnal Kedokt Diponegoro).* 2019;8(2):768–84.

62. Widya Astuti GAE, Siswandi A, Wulandari M, Kumala I. Karakteristik Pasien Kanker Kolorektal Stadium I-IV Di Rumah Sakit Umum Daerah Dr. H. Abdul Moeloek. *J Ilmu Kedokt dan Kesehat*. 2023;10(7):2360–74.
63. Zannah SJ, Murti IS, Sulistiawati S. Hubungan Usia dengan Stadium Saat Diagnosis Penderita Kanker Kolorektal di RSUD Abdul Wahab Sjahranie Samarinda. *J Sains dan Kesehat*. 2021;3(5):701–5.
64. Sutrisna IWW. Correlation between histopathologic grading and carcinoembryonic antigen levels in colon carcino. *Medicina (B Aires)*. 2018;49(1):22–8.
65. Clearesta KE, Mambu T, Tjandra F, Langi FG. DOI: <https://doi.org/10.35790/msj.v6i1.48480> URL Homepage: <https://ejournal.unsrat.ac.id/Index.Php/Msj>. 2024;6(1):99–105.
66. Yosephine MI. Korelasi Rasio Neutrofil-Limfosit dengan Stadium Kanker Kolorektal Penelitian Cross Sectional Di Divisi Gastroenterohepatologi Rumah Sakit Umum Daerah Dr Soetomo Surabaya. *Repos Univ Airlangga [Internet]*. 2020; Available from: <http://repository.unair.ac.id/id/eprint/66468>
67. Pereira C, Mohan J, Gururaj S, Chandrashekhara P. Predictive Ability of Neutrophil-Lymphocyte Ratio in Determining Tumor Staging in Colorectal Cancer. *Cureus*. 2021;13(10).
68. Song Y, Yang Y, Gao P, Chen X, Yu D, Xu Y, et al. The preoperative neutrophil to lymphocyte ratio is a superior indicator of prognosis compared with other inflammatory biomarkers in resectable colorectal cancer. *BMC Cancer*. 2017;17(1):1–8.
69. Jia J, Zheng X, Chen Y, Wang L, Lin L, Ye X, Chen Y, Chen D D. Stage-dependent changes of preoperative neutrophil to lymphocyte ratio and platelet to lymphocyte ratio in colorectal cancer. *Tumour Biol*. 2019;36(12):9319–25.