

DAFTAR PUSTAKA

- Abbas, M., Kassim, S. A., Habib, M., Li, X., Shi, M., Wang, Z. C., Hu, Y., Zhu, H. L. 2020. Clinical Evaluation of Serum Tumor Markers in Patients With Advanced-Stage Treated With Palliative Chemotherapy in China. *Frontiers in Oncology* 10. Switzerland: 800.
- Ahmed M. 2020. Colon Cancer: A Clinician's Perspective in 2019. *Gastroenterology research*, 13(1), 1–10. <https://doi.org/10.14740/gr1239>
- Astaras, C, Bornand A and Koessler T. 2021. Squamous Rectal Carcinoma: A Rare Malignancy, Literature Review and Management Recommendations. *ESMO Open* 6(4). England: 100180.
- Azzouz, LL and Sharma S. 2024. Physiology, Large Intestine. Treasure Island (FL). Biomerieux. 2022. VIDAS. France: Biomerieux.
- Blanas, A., Sahasrabudhe, N. M., Rodríguez, E., van Kooyk, Y., & van Vliet, S. J. 2018. Fucosylated Antigens in Cancer: An Alliance Toward Tumor Progression, Metastasis, and Resistance to Chemotherapy. *Frontiers in oncology*, 8, 39. <https://doi.org/10.3389/fonc.2018.00039>
- Bray, F., Laversanne, M., Sung, H., Ferlay, J., Siegel, R. L., Soerjomataram, I., & Jemal, A. 2024. Global Cancer Statistics 2022: GLOBOCAN Estimates of Incidence and Mortality Worldwide for 36 Cancers in 185 Countries. *CA: a cancer journal for clinicians*, 74(3), 229–263.
- Cao, H., Zhu, L., Li, L., Wang, W., & Niu, X., 2023. Serum CA724 Has No Diagnostic Value for Gastrointestinal Tumors. *Clinical and experimental medicine*, 23(6), 2433–2442. <https://doi.org/10.1007/s10238-023-01025-0>
- Chen, K., Collins, G., Wang, H., & Toh, J. W. T., 2021. Pathological Features and Prognostication in Colorectal Cancer. *Current oncology (Toronto, Ont.)* 28(6). Switzerland: 5356–5383.
- Dahlan, MS. 2018. Penelitian Diagnostik, Validitas & Reliabilitas Dasar-Dasar Teoritis dan Aplikasi dengan Program SPSS dan Stata. Edisi 2. PT Epidemiologi Indonesia.
- Das PK, Saha J, Pillai S, Lam A-Y, Gopalan V, Islam F. 2023. Implications of estrogen and its receptors in colorectal carcinoma. *Cancer Med.*; 12: 4367-4379.
- de Assis, J. V., Coutinho, L. A., Oyeyemi, I. T., Oyeyemi, O. T., & Grenfell, R. F. E. Q. 2022. Diagnostic and therapeutic biomarkers in colorectal cancer: a review. *American journal of cancer research* 12(2). United States: 661–680.
- Dekker, E., Tanis, P. J., Vleugels, J. L. A., Kasi, P. M., & Wallace, M. B., 2019. Colorectal Cancer. *Lancet (London, England)* 394(10207). England: 1467–1480.
- Desai S and Guddati AK. 2023. Carcinoembryonic Antigen, Carbohydrate Antigen 19-9, Cancer Antigen 125, Prostate-Specific Antigen and Other Cancer Markers: A Primer on Commonly Used Cancer Markers. *World journal of oncology* 14(1). Canada: 4–14.
- Diagnosis And Treatment Guidelines For Colorectal Cancer Working Group C. S. O. C. O. C. 2019. Chinese Society of Clinical Oncology (CSCO) Diagnosis and Treatment Guidelines for Colorectal Cancer 2018 (English version). *Chinese journal of cancer research = Chung-kuo yen cheng yen chiu*, 31(1)
- Ditonno, I., Losurdo, G., Rendina, M., Pricci, M., Girardi, B., Ierardi, E., & Di Leo,

- A. 2021. Estrogen Receptors in Colorectal Cancer: Facts, Novelties and Perspectives. *Current oncology (Toronto, Ont.)*, 28(6), 4256–4263. p
- Duan, B., Zhao, Y., Bai, J., Wang, J., Duan, X., Luo, X., Zhang, R., Pu, Y., Kou, M., Lei, J., & Yang, S. 2022. Colorectal Cancer: An Overview. In: Morgado-Diaz JA (ed.). Brisbane (AU).
- Farraj, F. A., Sabbagh, H., Aridi, T., Fakhruddin, N., & Farhat, F. 2019. Signet Ring Cell Carcinoma of the Colon in Young Adults: A Case Report and Literature Review. *Case reports in oncological medicine*. United States.
- Gao, Y., Wang, J., Zhou, Y., Sheng, S., Qian, S. Y., & Huo, X. 2018. Evaluation of Serum CEA, CA19-9, CA72-4, CA125 and Ferritin as Diagnostic Markers and Factors of Clinical Parameters for Colorectal Cancer. *Scientific reports*, 8(1), 2732. <https://doi.org/10.1038/s41598-018-21048-y>
- Gude, S. S., Veeravalli, R. S., Vejandla, B., Gude, S. S., Venigalla, T., & Chintagumpala, V. 2023. Colorectal Cancer Diagnostic Methods: The Present and Future. *Cureus*, 15(4), e37622.
- Heitmann, P. T., Vollebregt, P. F., Knowles, C. H., Lunniss, P. J., Dinning, P. G., & Scott, S. M.. 2021. Understanding the physiology of human defaecation and disorders of continence and evacuation. *Nature reviews. Gastroenterology & hepatology* 18(11). England: 751–769.
- Hong, Q., Li, B., Cai, X., Lv, Z., Cai, S., Zhong, Y., & Wen, B. 2021. Transcriptomic Analyses of the Adenoma-Carcinoma Sequence Identify Hallmarks Associated With the Onset of Colorectal Cancer. *Frontiers in oncology* 11. Switzerland: 704531.
- Hossain, M.S.; Karuniawati, H.; Jairoun, A.A.; Urbi, Z.; Ooi, D.J.; John, A.; Lim, Y.C.; Kibria, K.M.K.; Mohiuddin, A.K.M.; Ming, L.C. 2022. Colorectal Cancer: A Review of Carcinogenesis, Global Epidemiology, Current Challenges, Risk Factors, Preventive and Treatment Strategies. *Cancers* 14(7). Switzerland.
- Hou, S., Jing, J., Wang, Y., Du, L., Tian, B., Xu, X., Sun, T., & Shi, Y. 2023. Evaluation of Clinical Diagnostic and Prognostic Value of Preoperative Serum Carcinoembryonic Antigen, CA19-9, and CA24-2 for Colorectal Cancer. *Alternative therapies in health and medicine*, 29(6), 192–197.
- Itatani Y, Kawada K and Sakai Y. 2019. Transforming Growth Factor- β Signaling Pathway in Colorectal Cancer and Its Tumor Microenvironment. *International journal of molecular sciences* 20(23). Switzerland.
- Javarsiani MH, Javanmard SH and Colonna F. 2019. Metastatic Components in Colorectal Cancer. *Journal of research in medical sciences : the official journal of Isfahan University of Medical Sciences* 24. India: 75.
- Jelski W and Mroczko B. 2020. Biochemical Markers of Colorectal Cancer - Present and Future. *Cancer management and research* 12. New Zealand: 4789–4797.
- Kahai, P., Mandiga, P., Wehrle, C. J., & Lobo, S. 2024. Anatomy, Abdomen and Pelvis: Large Intestine. Treasure Island (FL).
- Kankanala VL and Mukkamalla SKR. 2023. Carcinoembryonic Antigen. Treasure Island (FL).
- Kasi, A., Handa, S., Bhatti, S., Umar, S., Bansal, A., & Sun, W. 2020. Molecular Pathogenesis and Classification of Colorectal Carcinoma. *Current colorectal cancer reports* 16(5). United States: 97–106.

- Kildusiene I, Dulskas A, Smailyte G. 2024. Value of Combined Serum CEA, CA72-4, and CA19-9 Marker Detection in Diagnosis of Colorectal Cancer. *Tech Coloproctol* 15;28(1):33. doi: 10.1007/s10151-023-02873-4. PMID: 38358422.
- Koseki, Y., Kamimura, K., Tanaka, Y., Ohkoshi-Yamada, M., Zhou, Q., Matsumoto, Y., Mizusawa, T., Sato, H., Sakamaki, A., Umezu, H., Yokoyama, J., & Terai, S. 2021. Rapid Progression of Colonic Mucinous Adenocarcinoma with Immunosuppressive Condition: A Case Report and Review of Literature. *World journal of clinical cases*. United States.
- Kurniawan, A., Lusikooy, . R. E., Mappincara, . M., Rauf, . M. A., Labeda, . I., Warsinggih, . W., Sampetoding, . S., Kusuma, . M. I., Dani, . M. I., Patellongi, . I. J. & Faruk, . M. 2020. The Relationship between Triple Tumor Marker (CEA, CA 19-9, AND CA 125) and Colorectal Cancer Metastases at Makassar, Indonesia. *Int J Med Rev Case Rep*, 4 (6), 56-62.
- Lacuzzo, C., Germani, P., Troian, M., Cipolat Mis, T., Giudici, F., Osenda, E., Bortul, M., & de Manzini, N. 2021. Serum carcinoembryonic antigen pre-operative level in colorectal cancer: revisiting risk stratification. *ANZ journal of surgery*, 91(6), E367–E374. <https://doi.org/10.1111/ans.16861>
- Lakemeyer L, Sander S, Wittau M, Henne-Bruns D, Kornmann M, Lemke J. 2021. Diagnostic and Prognostic Value of CEA and CA19-9 in Colorectal Cancer. *Diseases (Basel, Switzerland)* 9(1). Switzerland.
- Lee T, Teng TZJ and Shelat VG. 2020. Carbohydrate Antigen 19-9 Tumor Marker: Past, Present, and Future. *World journal of gastrointestinal surgery* 12(12). United States: 468–490.
- Liao, Z., Guo, J. T., Yang, F., Wang, S. P., & Sun, S. Y. (2024). Screening of colorectal cancer: Methods and strategies. *World journal of clinical oncology*, 15(7), 799–805.
- Li, C., Zheng, H., Jia, H., Huang, D., Gu, W., Cai, S., & Zhu, J. 2019. Prognosis of Three Histological Subtypes of Colorectal Adenocarcinoma: A Retrospective Analysis of 8005 Chinese Patients. *Cancer medicine* 8(7). United States: 3411–3419.
- Li, Y., Hua, R., He, J., & Zhang, H. 2022. Survival Contradiction in Stage II, IIIA, And IIIB Colon Cancer: A Surveillance, Epidemiology, and End Result-Based Analysis. *Evidence-based complementary and alternative medicine : eCAM* 2022. United States: 4088117.
- Lingas EC. 2023. Early-Onset Colon Cancer: A Narrative Review of Its Pathogenesis, Clinical Presentation, Treatment, and Prognosis. *Cureus* 15(9). United States: e45404.
- Liu, HN, Yao C, Wang XF, Zhang NP, Chen YJ, Pan D. 2023. Diagnostic and Economic Value Of Carcinoembryonic Antigen, Carbohydrate Antigen 19-9, And Carbohydrate Antigen 72-4 in Gastrointestinal Cancers. *World J Gastroenterol*; 29(4): 706-730
- Lucafò, M., Curci, D., Franzin, M., Decorti, G., & Stocco, G. 2021. Inflammatory Bowel Disease and Risk of Colorectal Cancer: An Overview From Pathophysiology to Pharmacological Prevention. *Frontiers in pharmacology* 12. Switzerland: 772101.
- Luo, H., Shen, K., Li, B., Li, R., Wang, Z., Xie, Z. 2020. Clinical Significance and Diagnostic Value of Serum NSE, CEA, CA19-9, CA125 and CA242 Levels

- in Colorectal Cancer. *Oncology letters*, 20(1), 742–750.
- Munro, M. J., Wickremesekera, S. K., Tan, S. T., & Peng, L. 2022. Proteomic Analysis Of Low- and High-Grade Human Colon Adenocarcinoma Tissues and Tissue-Derived Primary Cell Lines Reveals Unique Biological Functions of Tumours and New Protein Biomarker Candidates. *Clinical proteomics* 19(1). England: 27.
- National Comprehensive Cancer Network (NCCN). 2024. NCCN Guidelines for Patients in Oncology Colon Cancer.
- Pajola, M., Fugazzola, P., Cobianchi, L., Frassini, S., Ghaly, A., Bianchi, C., & Ansaloni, L. 2025. Surgical Emergencies in Rectal Cancer: A Narrative Review. *Journal of Clinical Medicine*, 14(1), 126.
- Pei, J. P., Zhang, C. D., Fu, X., Ba, Y., Yue, S., Zhao, Z. M., & Dai, D. Q. 2021. A Novel TNM Classification for Colorectal Cancers Based on The Metro-ticket Paradigm. *Journal of Cancer* 12(11). Australia: 3299–3306.
- Prakash A and Kumar Upadhyay A. 2021. A Rare Case of Metastases to Paranasal Sinus From Colonic Adenocarcinoma. *Cureus*. United States.
- Pretzsch, E., Bösch, F., Neumann, J., Ganschow, P., Bazhin, A., Guba, M., Werner, J., & Angele, M. 2019. Mechanisms of Metastasis in Colorectal Cancer and Metastatic Organotropism: Hematogenous versus Peritoneal Spread. *Journal of oncology*. Egypt: 7407190.
- Rahaoui, M., Amri, F., Seghrouchni, N., El Eulj, O., Zazour, A., Koulali, H., Elmqaddem, O., Bennani, A., Ismaili, Z., & Kharrasse, G. 2024. Signet-Ring Cell Carcinoma of The Caecum: A case report. *Radiology case reports*.
- Rao, H., Wu, H., Huang, Q., Yu, Z., & Zhong, Z. 2021. Clinical Value of Serum CEA, CA24-2 and CA19-9 in Patients with Colorectal Cancer. *Clinical laboratory*, 67(4), 10.7754/Clin.Lab.2020.200828.
- Sawicki, T., Ruskowska, M., Danielewicz, A., Niedźwiedzka, E., Arłukowicz, T., & Przybyłowicz, K. E. 2021. A Review of Colorectal Cancer in Terms of Epidemiology, Risk Factors, Development, Symptoms and Diagnosis. *Cancers* 13(9). Switzerland.
- Sayuti M and Nouva N. 2019. Kanker Kolorektal. *AVERROUS: Jurnal Kedokteran Dan Kesehatan Malikussaleh* 5(2): 76–88.
- Shah A and Khan Y. 2024. Anatomy, Abdomen and Pelvis, Arteries and Veins. Treasure Island (FL): StatPearls Publishing.
- Sung H, Ferlay J, Siegel RL, Laversanne M, Soerjomataram I, Jemal A. 2021. Global Cancer Statistics 2020: GLOBOCAN Estimates of Incidence and Mortality Worldwide for 36 Cancers in 185 Countries. *CA: A Cancer Journal for Clinicians* 71(3). American Cancer Society: 209–249.
- Thomas, J., Klebanov, A., John, S., Miller, L. S., Vegesna, A., Amdur, R. L., Bhowmick, K., & Mishra, L. 2023. CEACAMS 1, 5, and 6 in Disease and Cancer: interactions with pathogens. *Genes & cancer*, 14, 12–29. <https://doi.org/10.18632/genesandcancer.230>
- Tsuneki M and Kanavati F. 2021. Deep Learning Models for Poorly Differentiated Colorectal Adenocarcinoma Classification in Whole Slide Images Using Transfer Learning. *Diagnostics (Basel, Switzerland)* 11(11). Switzerland.
- Voronova V, Glybochko P, Svistunov A, Fomin V, Kopylov Ph, Tzarkov P, Egorov A, Gitel E, Ragimov A, Boroda A, Poddubskaya E, Sekacheva M. 2020. Diagnostic Value of Combinatorial Markers in Colorectal Carcinoma.

- Front. Oncol.10:832.
- Wang L, Zhang G, Shen J, Shen Y, Cai G. 2022. Elevated CEA and CA 19-9 Levels within the Normal Ranges Increase the Likelihood of CRC Recurrence in the Chinese Han Population, *Applied Bionics and Biomechanics*.8666724.
- Wang Y.H.W and Wiseman J., 2024. Anatomy, Abdomen and Pelvis, Rectum. Treasure Island (FL).
- Wong, M.C.S.; Huang, J.; Wong, Y.-Y.; Ko, S.; Chan, V.C.W.; Ng, S.C.; Chan, F.K.L. 2023. The Use of a Non-Invasive Biomarker for Colorectal Cancer Screening: A Comparative Cost-Effectiveness Modeling Study. *Cancers* 15, no. 3: 633. <https://doi.org/10.3390/cancers15030633>
- Xu, K., Zheng, S., Li, B., Shao, Y., & Yin, X. 2023. Molecular Characterization of Colorectal Mucinous Adenocarcinoma and Adenocarcinoma, not otherwise Specified, Identified by Multiomic Data Analysis. *Frontiers in molecular biosciences* 10. Switzerland: 1150362.

