

DAFTAR PUSTAKA

- Abdel-Razik, A., Eldars, W. & Rizk, E. 2014. Platelet indices and inflammatory markers as diagnostic predictors for ascitic fluid infection. *Eur J Gastroenterol Hepatol*, 26, 1342-7.
- Adams, G. N., Rosenfeldt, L., Frederick, M., Miller, W., Waltz, D., Kombrinck, K., et al. Palumbo, J. S. 2015. Colon Cancer Growth and Dissemination Relies upon Thrombin, Stromal PAR-1, and Fibrinogen. *Cancer Res*, 75, 4235-43.
- Almuhanna, R., Al-Thoubaity, F., Almalki, K., Algarni, N., Hamad, R. & Makhtoum, T. 2022. Clinicopathological Characteristics and Overall 5-Year Survival of Colorectal Cancer: A Retrospective Study. *Med Sci (Basel)*, 10.
- Alonso-Escolano, D., Strongin, A. Y., Chung, A. W., Deryugina, E. I. & Radomski, M. W. 2004. Membrane type-1 matrix metalloproteinase stimulates tumour cell-induced platelet aggregation: role of receptor glycoproteins. *Br J Pharmacol*, 141, 241-52.
- Amin, M. B., Greene, F. L., Edge, S. B., Compton, C. C., Gershenwald, J. E., Brookland, R. K., et al. Winchester, D. P. 2017. 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*, 67, 93-99.
- Ankus, E., Price, S. J., Ukoumunne, O. C., Hamilton, W. & Bailey, S. E. R. 2018. Cancer incidence in patients with a high normal platelet count: a cohort study using primary care data. *Fam Pract*, 35, 671-675.
- Anvari, S., Osei, E. & Maftoon, N. 2021. Interactions of platelets with circulating tumor cells contribute to cancer metastasis. *Scientific Reports*, 11, 15477.
- Arsyad, A., Lusikooy, R., Syarifuddin, E., Rahardjo, W., Labeda, I., Mappincara, et al. Faruk, M. 2022. Analysis of the prognostic factors affecting 5-year colorectal cancer survival rates in Makassar, Eastern Indonesia: A retrospective cohort study. *Gazzetta Medica Italiana*, 181, 1-8.
- Asghar, S., Parvaiz, F. & Manzoor, S. 2019. Multifaceted role of cancer educated platelets in survival of cancer cells. *Thromb Res*, 177, 42-50.
- Bailey, P., Chang, D. K., Nones, K., Johns, A. L., Patch, A. M., Gingras, M. C., et al. Grimmond, S. M. 2016. Genomic analyses identify molecular subtypes of pancreatic cancer. *Nature*, 531, 47-52.
- Bambace, N. M. & Holmes, C. E. 2011. The platelet contribution to cancer progression. *J Thromb Haemost*, 9, 237-49.
- Battinelli, E. M., Markens, B. A. & Italiano, J. E., Jr. 2011. Release of angiogenesis regulatory proteins from platelet alpha granules: modulation of physiologic and pathologic angiogenesis. *Blood*, 118, 1359-69.
- Best, M. G., Sol, N., Kooi, I., Tannous, J., Westerman, B. A., Rustenburg, F., et al. Wurdinger, T. 2015. RNA-Seq of Tumor-Educated Platelets Enables Blood-Based Pan-Cancer, Multiclass, and Molecular Pathway Cancer Diagnostics. *Cancer Cell*, 28, 666-676.
- Bien Yin, S., Yang, S., Jiang, X., Wang, J., Zhang, M. & Zhang, L. 2022. Roles of platelets in tumor invasion and metastasis: A review. *Heliyon*, 8, e12072.
- Flaumenhaft, R. 2009. Platelet alpha-granules: basic biology and clinical correlates. *Blood Rev*, 23, 177-89.
- Wong, R., Hynes, R. O., Varki, N. M. & Varki, A. 2002. Synergistic effects of L- and P-selectin in facilitating tumor metastasis can involve non-mucin



- ligands and implicate leukocytes as enhancers of metastasis. *Proc Natl Acad Sci U S A*, 99, 2193-8.
- Bou Khzam, L., Boulahya, R., Abou-Saleh, H., Hachem, A., Zaid, Y. & Merhi, Y. 2013. Soluble CD40 ligand stimulates the pro-angiogenic function of peripheral blood angiogenic outgrowth cells via increased release of matrix metalloproteinase-9. *PLoS One*, 8, e84289.
- Braun, A., Anders, H. J., Gudermann, T. & Mammadova-Bach, E. 2021. Platelet-Cancer Interplay: Molecular Mechanisms and New Therapeutic Avenues. *Front Oncol*, 11, 665534.
- 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.
- Budak, Y. U., Polat, M. & Huysal, K. 2016. The use of platelet indices, plateletcrit, mean platelet volume and platelet distribution width in emergency non-traumatic abdominal surgery: a systematic review. *Biochem Med (Zagreb)*, 26, 178-93.
- Buergy, D., Wenz, F., Groden, C. & Brockmann, M. A. 2012. Tumor-platelet interaction in solid tumors. *Int J Cancer*, 130, 2747-60.
- Caine, G. J., Stonelake, P. S., Lip, G. Y. & Kehoe, S. T. 2002. The hypercoagulable state of malignancy: pathogenesis and current debate. *Neoplasia*, 4, 465-73.
- Cancer, I. a. F. R. O. 2020. Indonesia Globocal 2020. World Health Organization. *World Health Organization*.
- Cao, H., Xu, E., Liu, H., Wan, L. & Lai, M. 2015. Epithelial-mesenchymal transition in colorectal cancer metastasis: A system review. *Pathol Res Pract*, 211, 557-69.
- Cariello, M., Piccinin, E., Zerlotin, R., Piglionica, M., Peres, C., Divella, C., et al. Moschetta, A. 2021. Adhesion of Platelets to Colon Cancer Cells Is Necessary to Promote Tumor Development in Xenograft, Genetic and Inflammation Models. *Cancers (Basel)*, 13.
- Cheng, N., Zhang, Y., Delaney, M. K., Wang, C., Bai, Y., Skidgel, R. A. & Du, X. 2021. Targeting $\alpha(13)$ -integrin interaction ameliorates systemic inflammation. *Nat Commun*, 12, 3185.
- Cho, M. S., Li, J., Gonzalez-Delgado, R., Lee, H., Vasquez, M., He, T., et al. Afshar-Kharghan, V. 2021. The effect of platelet G proteins on platelet extravasation and tumor growth in the murine model of ovarian cancer. *Blood Adv*, 5, 1947-1951.
- Chu, S. G., Becker, R. C., Berger, P. B., Bhatt, D. L., Eikelboom, J. W., Konkle, B., et al. Berger, J. S. 2010. Mean platelet volume as a predictor of cardiovascular risk: a systematic review and meta-analysis. *J Thromb Haemost*, 8, 148-56.
- Copija, A., Nowakowska-Zajdel, E., Janion, K. & Walkiewicz, K. 2020. Clinical Characteristics of Colorectal Cancer Patients in terms of Selected Platelet Indices. *Dis Markers*, 2020, 6145604.
- Li, N., Liu, X., Yun, Z. Y., Niu, Y., Zhang, Y., et al. Wang, R. T. 2017. Platelet distribution width correlates with prognosis of non-small cell lung cancer. *Sci Rep*, 7, 3456.



- Dajani, K., O'reilly, D. A., Carino, N. L., Ghaneh, P., Poston, G. & Wu, A. 2009. The prognostic significance of the preoperative full blood count after resection of colorectal liver metastases. *HPB Surg*, 2009, 425065.
- Dashevsky, O., Varon, D. & Brill, A. 2009. Platelet-derived microparticles promote invasiveness of prostate cancer cells via upregulation of MMP-2 production. *Int J Cancer*, 124, 1773-7.
- Demers, M., Krause, D. S., Schatzberg, D., Martinod, K., Voorhees, J. R., Fuchs, T. A., et al. Wagner, D. D. 2012. Cancers predispose neutrophils to release extracellular DNA traps that contribute to cancer-associated thrombosis. *Proc Natl Acad Sci U S A*, 109, 13076-81.
- Desgrosellier, J. S. & Cheresh, D. A. 2010. Integrins in cancer: biological implications and therapeutic opportunities. *Nat Rev Cancer*, 10, 9-22.
- Detopoulou, P., Panoutsopoulos, G. I., Mantoglou, M., Michailidis, P., Pantazi, I., Papadopoulos, S. & Rojas Gil, A. P. 2023. Relation of Mean Platelet Volume (MPV) with Cancer: A Systematic Review with a Focus on Disease Outcome on Twelve Types of Cancer. *Curr Oncol*, 30, 3391-3420.
- Dhillon, A. S., Hagan, S., Rath, O. & Kolch, W. 2007. MAP kinase signalling pathways in cancer. *Oncogene*, 26, 3279-90.
- Doubeni, C. A., Major, J. M., Laiyemo, A. O., Schootman, M., Zauber, A. G., Hollenbeck, A. R., et al. Allison, J. 2012. Contribution of behavioral risk factors and obesity to socioeconomic differences in colorectal cancer incidence. *J Natl Cancer Inst*, 104, 1353-62.
- Estevez, B. & Du, X. 2017. New Concepts and Mechanisms of Platelet Activation Signaling. *Physiology (Bethesda)*, 32, 162-177.
- Felding-Habermann, B., O'toole, T. E., Smith, J. W., Fransvea, E., Ruggeri, Z. M., Ginsberg, M. H., et al. Mueller, B. M. 2001. Integrin activation controls metastasis in human breast cancer. *Proc Natl Acad Sci U S A*, 98, 1853-8.
- Feng, J. F., Sheng, C., Zhao, Q. & Chen, P. 2019. Prognostic value of mean platelet volume/platelet count ratio in patients with resectable esophageal squamous cell carcinoma: a retrospective study. *PeerJ*, 7, e7246.
- Fitzmaurice, C., Abate, D., Abbasi, N., Abbastabar, H., Abd-Allah, F., Abdel-Rahman, O., et al. Murray, C. J. L. 2019. Global, Regional, and National Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life-Years for 29 Cancer Groups, 1990 to 2017: A Systematic Analysis for the Global Burden of Disease Study. *JAMA Oncol*, 5, 1749-1768.
- Flavell, R. A., Sanjabi, S., Wrzesinski, S. H. & Licona-Limón, P. 2010. The polarization of immune cells in the tumour environment by TGFbeta. *Nat Rev Immunol*, 10, 554-67.
- Franco, A. T., Corken, A. & Ware, J. 2015. Platelets at the interface of thrombosis, inflammation, and cancer. *Blood*, 126, 582-8.
- Gasic, G. J., Gasic, T. B. & Stewart, C. C. 1968. Antimetastatic effects associated with platelet reduction. *Proc Natl Acad Sci U S A*, 61, 46-52.
- Giannakeas, V., Kotsopoulos, J., Cheung, M. C., Rosella, L., Brooks, J. D., Lipscombe, L., et al. Narod, S. A. 2022. Analysis of Platelet Count and New Cancer Diagnosis Over a 10-Year Period. *JAMA Netw Open*, 5, e2141633.
- Grzeskowiak, E. M. & Poole, A. W. 2015. Platelet secretion: From haemostasis to wound healing and beyond. *Blood Rev*, 29, 153-62.
- Grzeskowiak, E. M., Burnouf, T., Radosevic, M. & El-Ekiaby, M. 2013. The platelet-cancer loop. *Eur J Intern Med*, 24, 393-400.



- Greene, F. L. & Sobin, L. H. 2008. The staging of cancer: a retrospective and prospective appraisal. *CA Cancer J Clin*, 58, 180-90.
- Guo, T., Krzystanek, M., Szallasi, Z. & Szallasi, A. 2014. Thrombocytosis portends adverse prognostic significance in patients with stage II colorectal carcinoma. *F1000Res*, 3, 180.
- Gupta, P., Chiang, S. F., Sahoo, P. K., Mohapatra, S. K., You, J. F., Onthoni, D. D., et al. Tsai, W. S. 2019. Prediction of Colon Cancer Stages and Survival Period with Machine Learning Approach. *Cancers (Basel)*, 11.
- Haemmerle, M., Stone, R. L., Menter, D. G., Afshar-Kharghan, V. & Sood, A. K. 2018. The Platelet Lifeline to Cancer: Challenges and Opportunities. *Cancer Cell*, 33, 965-983.
- Harrison, C. N., Bareford, D., Butt, N., Campbell, P., Conneally, E., Drummond, M., et al. McMullin, M. F. 2010. Guideline for investigation and management of adults and children presenting with a thrombocytosis. *Br J Haematol*, 149, 352-75.
- Hassan, N., Efing, J., Kiesel, L., Bendas, G. & Götte, M. 2023. The Tissue Factor Pathway in Cancer: Overview and Role of Heparan Sulfate Proteoglycans. *Cancers (Basel)*, 15.
- Heinmöller, E., Weinel, R. J., Heidtmann, H. H., Salge, U., Seitz, R., Schmitz, I., et al. Zirngibl, H. 1996. Studies on tumor-cell-induced platelet aggregation in human lung cancer cell lines. *J Cancer Res Clin Oncol*, 122, 735-44.
- Iba, T. & Levy, J. H. 2018. Inflammation and thrombosis: roles of neutrophils, platelets and endothelial cells and their interactions in thrombus formation during sepsis. *J Thromb Haemost*, 16, 231-241.
- Jain, S., Russell, S. & Ware, J. 2009. Platelet glycoprotein VI facilitates experimental lung metastasis in syngenic mouse models. *J Thromb Haemost*, 7, 1713-7.
- Jain, S., Zuka, M., Liu, J., Russell, S., Dent, J., Guerrero, J. A., et al. Ware, J. 2007. Platelet glycoprotein Ib alpha supports experimental lung metastasis. *Proc Natl Acad Sci U S A*, 104, 9024-8.
- Janowska-Wieczorek, A., Wysoczynski, M., Kijowski, J., Marquez-Curtis, L., Machalinski, B., Ratajczak, J. & Ratajczak, M. Z. 2005. Microvesicles derived from activated platelets induce metastasis and angiogenesis in lung cancer. *Int J Cancer*, 113, 752-60.
- Jass, J. R. & Morson, B. C. 1987. Reporting colorectal cancer. *J Clin Pathol*, 40, 1016-23.
- Jayatilleke, K. M. & Hulett, M. D. 2020. Heparanase and the hallmarks of cancer. *J Transl Med*, 18, 453.
- Josa, V., Krzystanek, M., Eklund, A. C., Salamon, F., Zarand, A., Szallasi, Z. & Baranyai, Z. 2015. Relationship of postoperative thrombocytosis and survival of patients with colorectal cancer. *Int J Surg*, 18, 1-6.
- Jurasz, P., Alonso-Escolano, D. & Radomski, M. W. 2004. Platelet-cancer interactions: mechanisms and pharmacology of tumour cell-induced platelet aggregation. *Br J Pharmacol*, 143, 819-26.
- Karagöz, B., Sücüllü, İ., Sayan, Ö., Bilgi, O., Tuncel, T., Filiz, A. İ., et al. Kandemir, G. 2010. Platelet indices in patients with colorectal cancer. *Central European Journal of Medicine*, 5, 365-368.
- G., Placke, T. & Salih, H. R. 2009. Platelet-derived transforming growth factor-beta down-regulates NKG2D thereby inhibiting natural killer cell antitumor reactivity. *Cancer Res*, 69, 7775-83.



- Labeda, I., Lusikooy, R. E., Mappincara, Dani, M. I., Sampetoding, S., Kusuma, M. I., et al. Faruk, M. 2022. Colorectal cancer survival rates in Makassar, Eastern Indonesia: A retrospective Cohort Study. *Ann Med Surg (Lond)*, 74, 103211.
- Labelle, M., Begum, S. & Hynes, R. O. 2014. Platelets guide the formation of early metastatic niches. *Proc Natl Acad Sci U S A*, 111, E3053-61.
- Leblanc, R. & Peyruchaud, O. 2016. Metastasis: new functional implications of platelets and megakaryocytes. *Blood*, 128, 24-31.
- Li, J., Guo, B. C., Sun, L. R., Wang, J. W., Fu, X. H., Zhang, S. Z., et al. Ding, K. F. 2014a. TNM staging of colorectal cancer should be reconsidered by T stage weighting. *World J Gastroenterol*, 20, 5104-12.
- Li, J., Yi, C. H., Hu, Y. T., Li, J. S., Yuan, Y., Zhang, S. Z., et al. Ding, K. F. 2016. TNM Staging of Colorectal Cancer Should be Reconsidered According to Weighting of the T Stage: Verification Based on a 25-Year Follow-Up. *Medicine (Baltimore)*, 95, e2711.
- Li, J. Y., Li, Y., Jiang, Z., Wang, R. T. & Wang, X. S. 2014b. Elevated mean platelet volume is associated with presence of colon cancer. *Asian Pac J Cancer Prev*, 15, 10501-4.
- Li, L., Huang, X. Y., Li, N., Cui, M. M. & Wang, R. T. 2019. Platelet Indices in Colorectal Cancer Patients with Synchronous Liver Metastases. *Gastroenterol Res Pract*, 2019, 6397513.
- Li, R., Ren, M., Chen, N., Luo, M., Deng, X., Xia, J., et al. Wu, J. 2014c. Presence of intratumoral platelets is associated with tumor vessel structure and metastasis. *BMC Cancer*, 14, 167.
- Lin, M. S., Huang, J. X., Zhu, J. & Shen, H. Z. 2012. Elevation of platelet count in patients with colorectal cancer predicts tendency to metastases and poor prognosis. *Hepatogastroenterology*, 59, 1687-90.
- Lin, R. J., Afshar-Kharghan, V. & Schafer, A. I. 2014. Paraneoplastic thrombocytosis: the secrets of tumor self-promotion. *Blood*, 124, 184-7.
- Liu, P., Zhu, Y. & Liu, L. 2015. Elevated pretreatment plasma D-dimer levels and platelet counts predict poor prognosis in pancreatic adenocarcinoma. *Oncotargets Ther*, 8, 1335-40.
- Long, Y., Wang, T., Gao, Q. & Zhou, C. 2016. Prognostic significance of pretreatment elevated platelet count in patients with colorectal cancer: a meta-analysis. *Oncotarget*, 7, 81849-81861.
- Lou, X. L., Sun, J., Gong, S. Q., Yu, X. F., Gong, R. & Deng, H. 2015. Interaction between circulating cancer cells and platelets: clinical implication. *Chin J Cancer Res*, 27, 450-60.
- Lu, N., Guan, X., Zhu, J., Li, Y. & Zhang, J. 2023. A Contrast-Enhanced CT-Based Deep Learning System for Preoperative Prediction of Colorectal Cancer Staging and RAS Mutation. 15, 4497.
- Lu, Y. J., Cui, M. T., Liang, Z. W., Wang, W. J., Jiang, M., Xu, M. D., et al. Duan, W. M. 2019. Prognostic values of platelet-associated indicators in advanced breast cancer. *Transl Cancer Res*, 8, 1326-1335.
- Ma, X., Wang, Y., Sheng, H., Tian, W., Qi, Z., Teng, F. & Xue, F. 2014. Prognostic significance of thrombocytosis, platelet parameters and aggregation rates epithelial ovarian cancer. *J Obstet Gynaecol Res*, 40, 178-83.
- K. R. & Italiano, J. E., Jr. 2013. The incredible journey: From megakaryocyte development to platelet formation. *J Cell Biol*, 201, 785-96.



- Maluf, C. B., Barreto, S. M. & Vidigal, P. G. 2015. Standardization and reference intervals of platelet volume indices: Insight from the Brazilian longitudinal study of adult health (ELSA-BRASIL). *Platelets*, 26, 413-20.
- Mammadova-Bach, E., Zigrino, P., Brucker, C., Bourdon, C., Freund, M., De Arcangelis, A., et al. Mangin, P. H. 2016. Platelet integrin $\alpha 6\beta 1$ controls lung metastasis through direct binding to cancer cell-derived ADAM9. *JCI Insight*, 1, e88245.
- Meikle, C. K., Kelly, C. A., Garg, P., Wuescher, L. M., Ali, R. A. & Worth, R. G. 2016. Cancer and Thrombosis: The Platelet Perspective. *Front Cell Dev Biol*, 4, 147.
- Metelli, A., Salem, M., Wallace, C. H., Wu, B. X., Li, A., Li, X. & Li, Z. 2018. Immunoregulatory functions and the therapeutic implications of GARP-TGF- β in inflammation and cancer. *J Hematol Oncol*, 11, 24.
- Michael, J. V., Wurtzel, J. G. T., Mao, G. F., Rao, A. K., Kolpakov, M. A., Sabri, A., et al. Goldfinger, L. E. 2017. Platelet microparticles infiltrating solid tumors transfer miRNAs that suppress tumor growth. *Blood*, 130, 567-580.
- Moore, C. & Emerson, M. 2012. Assessment of platelet aggregation responses in vivo in the mouse. *Methods Mol Biol*, 788, 21-8.
- Ntolios, P., Papanas, N., Nena, E., Boglou, P., Koulelidis, A., Tzouvelekis, A., et al. Steiropoulos, P. 2016. Mean Platelet Volume as a Surrogate Marker for Platelet Activation in Patients With Idiopathic Pulmonary Fibrosis. *Clin Appl Thromb Hemost*, 22, 346-50.
- Offermanns, S. 2006. Activation of platelet function through G protein-coupled receptors. *Circ Res*, 99, 1293-304.
- Omar, M., Tanriverdi, O., Cokmert, S., Oktay, E., Yersal, O., Pilanci, K. N., et al. Barutca, S. 2018. Role of increased mean platelet volume (MPV) and decreased MPV/platelet count ratio as poor prognostic factors in lung cancer. *Clin Respir J*, 12, 922-929.
- Oncel, M., Kiyici, A., Oncel, M., Sunam, G. S., Sahin, E. & Adam, B. 2015. Evaluation of Platelet Indices in Lung Cancer Patients. *Asian Pac J Cancer Prev*, 16, 7599-602.
- Orellana, R., Kato, S., Erices, R., Bravo, M. L., Gonzalez, P., Oliva, B., et al. Owen, G. I. 2015. Platelets enhance tissue factor protein and metastasis initiating cell markers, and act as chemoattractants increasing the migration of ovarian cancer cells. *BMC Cancer*, 15, 290.
- Palacios-Acedo, A. L., Mège, D., Crescence, L., Dignat-George, F., Dubois, C. & Panicot-Dubois, L. 2019. Platelets, Thrombo-Inflammation, and Cancer: Collaborating With the Enemy. *Front Immunol*, 10, 1805.
- Plantureux, L., Mège, D., Crescence, L., Carminita, E., Robert, S., Cointe, S., et al. Panicot-Dubois, L. 2020. The Interaction of Platelets with Colorectal Cancer Cells Inhibits Tumor Growth but Promotes Metastasis. *Cancer Res*, 80, 291-303.
- Pu, F., Li, X., Wang, S., Huang, Y. & Wang, D. 2021. Platelet supernatant with longer storage inhibits tumor cell growth. *Transfus Apher Sci*, 60, 103042.
- Qian, W., Ge, X. X., Wu, J., Gong, F. R., Wu, M. Y., Xu, M. D., et al. Tao, M. 2019. Prognostic evaluation of resectable colorectal cancer using platelet-associated indicators. *Oncol Lett*, 18, 571-580.
- Singh, R., Jones, A., Orr, C., Bricks, C. S., Hopman, W. M. & Hammad, N. 2016. Thrombocytosis as a predictor of poor prognosis in colorectal cancer patients. 34, 540-540.



- Rao, X. D., Zhang, H., Xu, Z. S., Cheng, H., Shen, W. & Wang, X. P. 2018. Poor prognostic role of the pretreatment platelet counts in colorectal cancer: A meta-analysis. *Medicine (Baltimore)*, 97, e10831.
- Rawla, P., Sunkara, T. & Barsouk, A. 2019. Epidemiology of colorectal cancer: incidence, mortality, survival, and risk factors. *Prz Gastroenterol*, 14, 89-103.
- Rickles, F. R. & Falanga, A. 2001. Molecular basis for the relationship between thrombosis and cancer. *Thromb Res*, 102, V215-24.
- Rodrigues, S. F. & Granger, D. N. 2015. Blood cells and endothelial barrier function. *Tissue Barriers*, 3, e978720.
- Rosen, R. D. & Sapra, A. 2023. TNM Classification. *StatPearls*. Treasure Island (FL) ineligible companies. Disclosure: Amit Sapra declares no relevant financial relationships with ineligible companies.: StatPearls Publishing
- Copyright © 2023, StatPearls Publishing LLC.
- Sabrkhan, S., Kuijpers, M. J., Verheul, H. M., Griffioen, A. W. & Oude Egbrink, M. G. 2015. Platelets: an unexploited data source in biomarker research. *Lancet Haematol*, 2, e512-3.
- Sachdev, R., Tiwari, A. K., Goel, S., Raina, V. & Sethi, M. 2014. Establishing biological reference intervals for novel platelet parameters (immature platelet fraction, high immature platelet fraction, platelet distribution width, platelet large cell ratio, platelet-X, plateletcrit, and platelet distribution width) and their correlations among each other. *Indian J Pathol Microbiol*, 57, 231-5.
- Sadallah, S., Schmied, L., Eken, C., Charoudeh, H. N., Amicarella, F. & Schifferli, J. A. 2016. Platelet-Derived Ectosomes Reduce NK Cell Function. *J Immunol*, 197, 1663-71.
- Samuel, D., Bhat, A. N. & Prabhu, V. M. 2020. Platelet Indices as Predictive Markers of Prognosis in Critically Ill Patients: A Prospective Study. *Indian J Crit Care Med*, 24, 817-822.
- Scridon, A. 2022. Platelets and Their Role in Hemostasis and Thrombosis: From Physiology to Pathophysiology and Therapeutic Implications. *International Journal of Molecular Sciences* [Online], 23. Available: <https://www.mdpi.com/1422-0067/23/21/12772>.
- Senchenkova, E. Y., Komoto, S., Russell, J., Almeida-Paula, L. D., Yan, L. S., Zhang, S. & Granger, D. N. 2013. Interleukin-6 mediates the platelet abnormalities and thrombogenesis associated with experimental colitis. *Am J Pathol*, 183, 173-81.
- Shao, B., Wahrenbrock, M. G., Yao, L., David, T., Coughlin, S. R., Xia, L., et al. Mcever, R. P. 2011. Carcinoma mucins trigger reciprocal activation of platelets and neutrophils in a murine model of Trousseau syndrome. *Blood*, 118, 4015-23.
- Shaukat, A., Kahi, C. J., Burke, C. A., Rabeneck, L., Sauer, B. G. & Rex, D. K. 2021. ACG Clinical Guidelines: Colorectal Cancer Screening 2021. *Official journal of the American College of Gastroenterology | ACG*, 116.
- Shimizu, T., Inoue, O., Tamura, S., Tsukiji, N., Sasaki, T., Endo, H., et al. Suzuki-Inoue, S. 2017. C-type lectin-like receptor 2 promotes hematogenous tumor metastasis and prothrombotic state in tumor-bearing mice. *J Thromb Haemost*, 15, 513-525.



- Siddeek, R. a. T., Gupta, A., Gupta, S., Goyal, B., Gupta, A. K., Agrawal, S., et al. Kant, R. 2020. Evaluation of platelet distribution width as novel biomarker in gall bladder cancer. *J Carcinog*, 19, 5.
- Skog, J., Würdinger, T., Van Rijn, S., Meijer, D. H., Gainche, L., Sena-Esteves, M., et al. Breakefield, X. O. 2008. Glioblastoma microvesicles transport RNA and proteins that promote tumour growth and provide diagnostic biomarkers. *Nat Cell Biol*, 10, 1470-6.
- Smith, R. A. & Oeffinger, K. C. 2020. The Importance of Cancer Screening. *Med Clin North Am*, 104, 919-938.
- Sobolewska, A., Włodarczyk, M., Stec-Michalska, K., Fichna, J. & Wiśniewska-Jarosińska, M. 2016. Mean Platelet Volume in Crohn's Disease Patients Predicts Sustained Response to a 52-Week Infliximab Therapy: A Pilot Study. *Dig Dis Sci*, 61, 542-9.
- Song, Q., Wu, J.-Z., Wang, S. & Chen, W.-H. 2019. Elevated preoperative platelet distribution width predicts poor prognosis in Esophageal Squamous Cell Carcinoma. *Scientific Reports*, 9, 15234.
- Steinbrecher, K. A., Horowitz, N. A., Blevins, E. A., Barney, K. A., Shaw, M. A., Harmel-Laws, E., et al. Palumbo, J. S. 2010. Colitis-associated cancer is dependent on the interplay between the hemostatic and inflammatory systems and supported by integrin alpha(M)beta(2) engagement of fibrinogen. *Cancer Res*, 70, 2634-43.
- Strasenburg, W., Józwicki, J., Durślewicz, J., Kuffel, B., Kulczyk, M. P., Kowalewski, A., et al. Adamowicz, J. 2022. Tumor Cell-Induced Platelet Aggregation as an Emerging Therapeutic Target for Cancer Therapy. *Front Oncol*, 12, 909767.
- Suzuki-Inoue, K. 2019. Platelets and cancer-associated thrombosis: focusing on the platelet activation receptor CLEC-2 and podoplanin. *Blood*, 134, 1912-1918.
- Telloni, S. M. 2017. Tumor Staging and Grading: A Primer. *Methods Mol Biol*, 1606, 1-17.
- Tinoco, R., Otero, D. C., Takahashi, A. A. & Bradley, L. M. 2017. PSGL-1: A New Player in the Immune Checkpoint Landscape. *Trends Immunol*, 38, 323-335.
- Tong, G. J., Zhang, G. Y., Liu, J., Zheng, Z. Z., Chen, Y., Niu, P. P. & Xu, X. T. 2018. 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*, 9, 148-161.
- Trikha, M., Zhou, Z., Timar, J., Raso, E., Kennel, M., Emmell, E. & Nakada, M. T. 2002. Multiple roles for platelet GPIIb/IIIa and alphavbeta3 integrins in tumor growth, angiogenesis, and metastasis. *Cancer Res*, 62, 2824-33.
- Turpin, B., Miller, W., Rosenfeldt, L., Kombrinck, K., Flick, M. J., Steinbrecher, K. A., et al. Palumbo, J. S. 2014. Thrombin drives tumorigenesis in colitis-associated colon cancer. *Cancer Res*, 74, 3020-3030.
- Vagdatli, E., Gounari, E., Lazaridou, E., Katsibourlia, E., Tsikopoulou, F. & Labrianou, I. 2010. Platelet distribution width: a simple, practical and specific marker of activation of coagulation. *Hippokratia*, 14, 28-32.
- . 2007. Trousseau's syndrome: multiple definitions and multiple mechanisms. *Blood*, 110, 1723-9.



- Viel, S., Marçais, A., Guimaraes, F. S., Loftus, R., Rabilloud, J., Grau, M., et al. Walzer, T. 2016. TGF- β inhibits the activation and functions of NK cells by repressing the mTOR pathway. *Sci Signal*, 9, ra19.
- Waldner, M. J., Foersch, S. & Neurath, M. F. 2012. Interleukin-6--a key regulator of colorectal cancer development. *Int J Biol Sci*, 8, 1248-53.
- Wang, L., Wang, X., Guo, E., Mao, X. & Miao, S. 2022. Emerging roles of platelets in cancer biology and their potential as therapeutic targets. *Front Oncol*, 12, 939089.
- Wang, Y. H., Deng, S. J., Yang, Y. D., Yao, N., Zhao, J. M., Min, G. T., et al. Chen, W. 2017. The pretreatment thrombocytosis may predict prognosis of patients with colorectal cancer: a systematic review and meta-analysis. *Biomark Med*, 11, 195-210.
- Who 2020. Indonesia, Source: Globocan 2020. *IARC*.
- Wirtz, D., Konstantopoulos, K. & Searson, P. C. 2011. The physics of cancer: the role of physical interactions and mechanical forces in metastasis. *Nat Rev Cancer*, 11, 512-22.
- Wiwanitkit, V. 2004. Plateletcrit, mean platelet volume, platelet distribution width: its expected values and correlation with parallel red blood cell parameters. *Clin Appl Thromb Hemost*, 10, 175-8.
- Włodarczyk, M., Kasprzyk, J., Sobolewska-Włodarczyk, A., Włodarczyk, J., Tchórzewski, M., Dziki, A. & Dziki, Ł. 2016. Mean platelet volume as a possible biomarker of tumor progression in rectal cancer. *Cancer Biomark*, 17, 411-417.
- World Health Organization (Who). 2020. Cancer Indonesia 2020 country profile Available: https://cdn.who.int/media/docs/default-source/country-profiles/cancer/idn-2020.pdf?sfvrsn=46ea6569_2&download=true.
- Wu, Y. Y., Zhang, X., Qin, Y. Y., Qin, J. Q. & Lin, F. Q. 2019. Mean platelet volume/platelet count ratio in colorectal cancer: a retrospective clinical study. *BMC Cancer*, 19, 314.
- Xu, X. R., Carrim, N., Neves, M. A., Mckeown, T., Stratton, T. W., Coelho, R. M., et al. Ni, H. 2016. Platelets and platelet adhesion molecules: novel mechanisms of thrombosis and anti-thrombotic therapies. *Thromb J*, 14, 29.
- Xu, X. R., Yousef, G. M. & Ni, H. 2018. Cancer and platelet crosstalk: opportunities and challenges for aspirin and other antiplatelet agents. *Blood*, 131, 1777-1789.
- Yang, J., Antin, P., Berx, G., Blanpain, C., Brabletz, T., Bronner, M., et al. Sheng, G. 2020. Guidelines and definitions for research on epithelial-mesenchymal transition. *Nat Rev Mol Cell Biol*, 21, 341-352.
- Yang, Y., Wang, Y. & Wang, Z. 2022. Construction of a new clinical staging system for colorectal cancer based on the lymph node ratio: A validation study. *Front Surg*, 9, 929576.
- Yu, L., Guo, Y., Chang, Z., Zhang, D., Zhang, S., Pei, H., et al. Chen, Y. 2021. Bidirectional Interaction Between Cancer Cells and Platelets Provides Potential Strategies for Cancer Therapies. *Front Oncol*, 11, 764119.
- Yan, L., Yang, W., Wu, F. Q., Ling, Y., Chen, S. Z., et al. Wang, H. Y. 2014. Platelets promote tumour metastasis via interaction between TLR4 and tumour cell-released high-mobility group box1 protein. *Nat Commun*, 5, 256.



- Zhang, H., Lin, F. & Wang, Z. 2023. Mean platelet volume/platelet count ratio in combination with tumor markers in colorectal cancer: a retrospective clinical study. *BMC Cancer*, 23, 124.
- Zhang, X., Cui, M. M., Fu, S., Li, L. L., Liu, Y. S., Liu, Z. P., et al. Yu, K. J. 2017. Platelet distribution width correlates with prognosis of gastric cancer. *Oncotarget*, 8, 20213-20219.
- Zhang, X., Niu, Y., Wang, X., Liu, Z. P., Liu, T. & Wang, R. T. 2018. Mean Platelet Volume and Platelet Distribution Width Are Associated with Gallbladder Cancer. *Asian Pac J Cancer Prev*, 19, 351-355.
- Zhang, Z., Xu, X., Ni, H. & Deng, H. 2014. Platelet indices are novel predictors of hospital mortality in intensive care unit patients. *J Crit Care*, 29, 885.e1-6.
- Zhu, X., Cao, Y., Lu, P., Kang, Y., Lin, Z., Hao, T. & Song, Y. 2018. Evaluation of platelet indices as diagnostic biomarkers for colorectal cancer. *Sci Rep*, 8, 11814.
- Zhuge, Y., Zhou, J. Y., Yang, G. D., Zu, D. L., Xu, X. L., Tian, M. Q. & Lu, G. H. 2009. Activated changes of platelet ultra microstructure and plasma granule membrane protein 140 in patients with non-small cell lung cancer. *Chin Med J (Engl)*, 122, 1026-31.

