

## DAFTAR PUSTAKA

- Aaboubout, Y., van der Toom, Q. M., de Ridder, M. A. J., De Herdt, M. J., van der Steen, B., van Lanschot, C. G. F., Barroso, E. M., Nunes Soares, M. R., ten Hove, I., Mast, H., Smits, R. W. H., Sewnaik, A., Monserez, D. A., Keereweer, S., Caspers, P. J., Baatenburg de Jong, R. J., Bakker Schut, T. C., Puppels, G. J., Hardillo, J. A.,. 2021. Is the depth of invasion a marker for elective neck dissection in early oral squamous cell carcinoma. *Frontiers in Oncology*. 11 (3): 1–8.
- Abdel-Mohsen, H. T., Abdullaziz, M. A., El Kerdawy, A. M., Ragab, F. A. F., Flanagan, K. J., Mahmoud, A. E. E., Ali, M. M., El Diwani, H. I., dan Senge, M. O. 2020. Targeting receptor tyrosine kinase VEGFR-2 in hepatocellular cancer: rational design, synthesis and biological evaluation of 1,2-disubstituted benzimidazoles. *Molecules*. 25 (4): 2–37.
- Almangush, A., Mäkitie, A. A., Triantafyllou, A., de Bree, R., Strojjan, P., Rinaldo, A., Hernandez-Prera, J. C., Suárez, C., Kowalski, L. P., Ferlito, A., dan Leivo, I. 2020. Staging and grading of oral squamous cell carcinoma. *Oral Oncology*. 107 (1): 1–6.
- American Joint Committee on Cancer, 2011. *AJCC Cancer Staging Manual*. 8 ed. New York. Springer. pp 140-149
- Amin, M. B., Greene, F. L., Edge, S. B., Compton, C. C., Gershenwald, J. E., Brookland, R. K., Meyer, L., Gress, D. M., Byrd, D. R., dan Winchester, D. P. 2017. The eighth edition AJCC cancer staging manual: continuing to build a bridge from a population-based to a more personalize approach to cancer staging. *CA: A Cancer Journal for Clinicians*. 67 (2): 93–99.
- Andrew J, Bishop MD, Pamela KA, Larissa AM, Meyer MD, dan Patricia JE. 2015. Relationship between low hemoglobin levels and outcomes after treatment with radiation or chemoradiation in patients with cervical cancer: has the impact of anemia been overstated. *International Journal of Radiation Oncology, Biology, Physics*. 9 (1): 196-205
- Apte, R. S., Chen, D. S., dan Ferrara, N. 2019. VEGF in signaling and disease: beyond discovery and development. *Cell*. 176 (6): 1248–1264.
- Arreaza, G., Qiu, P., Pang, L., Albright, A., Hong, L. Z., Marton, M. J., dan Levitan, D. 2016. Pre-analytical considerations for successful next-generation sequencing (NGS): challenges and opportunities for formalin-fixed and paraffin-embedded tumor tissue (FFPE) samples. *International Journal of Molecular Sciences*. 17 (9): 2–9.

- Babiker, A. Y., Almatroodi, S. A., Almatroudi, A., Alrumaihi, F., Abdalaziz, M. S., Alsahli, M. A., dan Husain Rahmani, A. 2020. Clinicopathological significance of VEGF and pAkt expressions in oral squamous cell carcinoma. *All Life*. 13 (1): 507–515.
- Bahadur, S., dan Iyer, S. 2021. *Management Of Oral Cancers*. Springer. New Delhi. pp 231-273.
- Baker, L., Robinson, N., Wilson, D., Tabaqchali, M., dan Leaper, D. 2019. Vascular endothelial growth factor in colorectal cancer pathology, survival and treatment. *Annals of Oncology*. 30 (10): 12.
- Bramati, C., Abati, S., Bondi, S., Lissoni, A., Arrigoni, G., Filipello, F., dan Trimarchi, M. 2021. Early diagnosis of oral squamous cell carcinoma may ensure better prognosis: A case series. *Clinical Case Reports*. 9 (10): 1–7.
- Busti, F., Marchi, G., Ugolini, S., Castagna, A., dan Girelli, D. 2018. Anemia and iron deficiency in cancer patients: role of iron replacement therapy. *Pharmaceuticals*. 11 (4): 1–14.
- Campbell, S., Greenwood, M., Prior, S., Shearer, T., Walkem, K., Young, S., Bywaters, D., dan Walker, K. 2020. Purposive sampling: complex or simple. Research case examples. *Journal of Research in Nursing*. 25 (8): 652–661.
- Chappell, J. C., Payne, L. B., dan Kimryn Rathmell, W. 2019. Hypoxia, angiogenesis, and metabolism in the hereditary kidney cancers. *Journal of Clinical Investigation*. 129 (2): 442–451.
- Chen, J., Wen, Y., Li, L., dan Wang, C. 2015. Expression of vascular endothelial growth factor in oral squamous cell carcinoma. *J Korean Assoc Oral Maxillofac Surg*. 19 (5): 11–18.
- Darwin P, M., Kalim, H., Wahono S, D., W Sudoyo, A., dan Fatchiyah, F. 2013. Ekspresi hypoxia inducible factor-1 $\alpha$  menginduksi ekspresi eritropoietin intraseluler, dan vascular endothelial growth factor pada penderita kanker payudara dengan anemia. *Jurnal Kedokteran Brawijaya*. 27 (2): 77–82.
- Demasya. 2018. Vascular endothelial growth factor (VEGF) pada pasien gastritis adenokarsinoma. *Dental College Journal*. 1 (3): 82–91.
- Dewantoro, A., Anggundari, W. C., Nuraeni, U., Prasetya, B., dan Yopi. 2020. Metode deteksi molekuler berbasis genomik dan diagnostik akurasinya dalam pengembangan diagnostik klinik di indonesia. *Prosiding PPIS*. 11 (5): 207–216.

- Dunst, J., Becker, A., Lautenschläger, C., Markau, S., Becker, H., Fischer, K., dan Haensgen, G. 2002. Anemia and elevated systemic levels of vascular endothelial growth factor (VEGF). *Strahlentherapie und Onkologie*. 178 (8): 436–441.
- Edirisinghe, E. A. S. T., Weerasekera, M. M., dan Yasawardene, S. G. 2018. Expression of vascular endothelial growth factor (VEGF) gene in oral squamous cell carcinoma. *Sri Lanka Anatomy Journal*. 2 (2): 54.
- Ehtisham, M., Wani, F., Wani, I., Kaur, P., dan Nissar, S. 2016. Polymerase chain reaction (PCR): back to basics. *Indian Journal of Contemporary Dentistry*. 4 (2): 30.
- Einaga, N., Yoshida, A., Noda, H., Suemitsu, M., Nakayama, Y., Sakurada, A., Kawaji, Y., Yamaguchi, H., Sasaki, Y., Tokino, T., dan Esumi, M. 2017. Assessment of the quality of DNA from various formalin-fixed paraffin-embedded (FFPE) tissues and the use of this DNA for next-generation sequencing (NGS) with no artifactual mutation. *Plos One*. 12 (5): 1–18.
- Elbossaty, W. F. 2021. Anemia in the patient with cancer. *Clinics of Oncology*. 5 (7): 3–6.
- Emami Nejad, A., Najafgholian, S., Rostami, A., Sistani, A., Shojaeifar, S., Esparvarinha, M., Nedaeinia, R., Haghjooy Javanmard, S., Taherian, M., Ahmadlou, M., Salehi, R., Sadeghi, B., dan Manian, M. 2021. The role of hypoxia in the tumor microenvironment and development of cancer stem cell: a novel approach to developing treatment. *Cancer Cell International*. 21 (1): 1–26.
- Fakhry, C., Pitman, K. T., Kiess, A. P., dan Eisele, D. W. 2020. *Oral Cancer: Evaluation, Therapy, And Rehabilitation*. Thieme Medical Publishers. New York. pp 1-461.
- Farooq, I., dan Bugshan, A. 2020. Oral squamous cell carcinoma: metastasis, potentially associated malignant disorders, etiology and recent advancements in diagnosis. *F1000Research*. 9 (4): 1–10.
- Feranisa, A. 2016. Komparasi antara polymerase chain reaction (PCR) dan loop. *Odonto Dental Journal*. 3(2): 145–151.
- Frisca, F., Sardjono, C. T., dan Sandra, F. 2019. Angiogenesis: patofisiologi dan aplikasi klinis. *Angiogenesis*. 4 (10): 174–189.
- Goulart, A., Ferreira, C., Rodrigues, A., Coimbra, B., Sousa, N., dan Leão, P. 2019. The correlation between serum vascular endothelial growth factor (VEGF) and tumor VEGF receptor 3 in colorectal cancer. *Annals of Surgical Treatment and Research*. 97 (1): 15–20.

- Greenwald, A. C., Licht, T., Kumar, S., Oladipupo, S. S., Iyer, S., Grunewald, M., dan Keshet, E. 2019. VEGF expands erythropoiesis via hypoxia-independent induction of erythropoietin in noncanonical perivascular stromal cells. *Journal of Experimental Medicine*. 216 (1): 215–230.
- Gupta, A. A., Kheur, S., Varadarajan, S., Parveen, S., dan Dewan, H. 2021. Chronic mechanical irritation and oral squamous cell carcinoma : a systematic review and meta-analysis study selection. *Bosn J Basic Med Sci*. 21 (8): 647–658.
- Hannan, M. A., Rahman, M. A., Hossain, S., dan Rahman, Q. B. 2018. Role of habitual risk factors on oral squamous cell carcinoma. *Update Dental College Journal*. 8 (1): 29–35.
- Hidayati, A. O., dan Arifah, S. 2020. Faktor kejadian anemia pada pasien kanker yang mendapat radioterapi dan atau kemoterapi. *Jurnal Kesehatan*. 11 (1): 29.
- Indrapriyadharshini, K., Sekar, B., Saranyan, R., Nirmal, R. M., Murugesan, A., dan Yoithapprabhunath, T. R. 2019. Role of vascular endothelial growth factor (VEGF) in tumor progression among oral epithelial dysplasia (OEDs), verrucous carcinoma (VC) and oral squamous cell carcinoma (OSCC): an immunohistochemical study. *International Journal of Advanced Science and Technology*. 28 (18): 720–728.
- Jian, J., Yang, Q., Dai, J., Eckard, J., Axelrod, D., Smith, J., dan Huang, X. 2011. Effects of iron deficiency and iron overload on angiogenesis and oxidative stress-a potential dual role for iron in breast cancer. *Free Radical Biology and Medicine*. 50 (7): 841–847.
- Kadriyan, H., Sulaksana, M. A., Lestarini, I. A., Susilawati, N. K., Punagi, A. Q., Pieter, N. A. L., dan Gaffar, M. 2019. Incidence and characteristics of anemia among patients with nasopharyngeal carcinoma in lombok, indonesia. *AIP Conference Proceedings*. 2199 (12): 1–6.
- Kementerian Kesehatan RI. 2019. Pedoman pencegahan dan penanggulangan anemia pada remaja putri dan wanita usia subur. *Rencana Strategis Kementerian Kesehatan Tahun Rencana Strategis Kementerian Kesehatan Tahun*. 4 (5): 14.
- Khosravinia, H., Narasimha Murthy, H. N., Thertha Parasad, D., dan Pirany, N. 2007. Optimizing factors influencing DNA extraction from fresh whole avian blood. *African Journal of Biotechnology*. 6 (4): 481–486.
- Ko, H. H., Lee, J. J., Chen, H. M., Kok, S. H., Yen-Ping Kuo, M., Cheng, S. J., dan Chiang, C. P. 2015. Upregulation of vascular endothelial growth factor mRNA level is significantly related to progression and prognosis of oral squamous cell carcinomas. *Journal of the Formosan Medical Association*. 114 (7): 605–611.

- Kumar, M., Nanavati, R., Modi, T., dan Dobariya, C. 2016. Oral cancer: etiology and risk factors: a review. *Journal of Cancer Research and Therapeutics*. 12 (2): 458–463.
- Lathifah, S. H., Yohana, W., dan Rodian, M. 2021. Neutrophil-to-lymphocyte ratio (NLR) as an inflammation degree marker in tongue cancer patient. *Jurnal Kesehatan Gigi*. 8 (2): 96–108.
- Lazzari, G., dan Silvano, G. 2020. From anemia to erythropoietin resistance in head and neck squamous cell carcinoma treatment: A carousel driven by hypoxia. *OncoTargets and Therapy*. 13 (6): 841–851.
- Lee, L. T., Wong, Y. K., Chan, M. Y., Chang, K. W., Chen, S. C., Chang, C. T., dan Wang, J. 2018. The correlation between HIF-1 alpha and VEGF in oral squamous cell carcinomas: expression patterns and quantitative immunohistochemical analysis. *Journal of the Chinese Medical Association*. 81 (4): 370–375.
- Livak, K. J., dan Schmittgen, T. D. 2001. Analysis of relative gene expression data using real-time quantitative PCR and the 2- $\Delta\Delta$ CT method. *Methods*. 25 (4): 402–408.
- Lin, N. C., Hsu, J. T., dan Tsai, K. Y. 2020. Survival and clinicopathological characteristics of different histological grades of oral cavity squamous cell carcinoma: a single-center retrospective study. *Plos One*. 15 (8): 1–11.
- Lowe, V. J., Stack, B. C., dan Watson, R. E. 2021. Head and Neck Cancer Imaging. *Head and Neck Cancer: Emerging Perspectives*. Springer US. Leuven, Belgium. pp 23-33.
- Luan, Yi, Zhao, Y., Luan, Ying, Chen, X., & Yang, Y. 2020. Regulation of iron homeostasis and cancer development. *TMR Cancer*. 4 (12). 1–5.
- Madeddu, C., Gramignano, G., Astara, G., Demontis, R., Sanna, E., Atzeni, V., dan Macciò, A. 2018. Pathogenesis and treatment options of cancer related anemia: perspective for a targeted mechanism-based approach. *Frontiers in Physiology*. 9 (9): 1–20.
- Meyer, H. J., Leifels, L., Hamerla, G., Höhn, A. K., dan Surov, A. 2018. ADC-histogram analysis in head and neck squamous cell carcinoma. Associations with different histopathological features including expression of EGFR, VEGF, HIF-1 $\alpha$  Her 2 and p53. A preliminary study. *Magnetic Resonance Imaging*. 54 (5): 214–217.
- Mercurio, A. M. 2019. VEGF/neuropilin signaling in cancer stem cells. *International Journal of Molecular Sciences*. 20 (3): 1–12.

- Mneimneh, W. S., Xu, B., Ghossein, C., Alzumaili, B., Sethi, S., Ganly, I., Khimraj, A., Dogan, S., dan Katabi, N. 2021. Clinicopathologic characteristics of young patients with oral squamous cell carcinoma. *Head and Neck Pathology*. 15 (4): 1099–1108.
- Muthanna, F. M., Samad, A., Ibrahim, H. K., Al-Awkally, N. A. M., dan Sabir, S. 2022. Cancer related anaemia (CRA): an overview of approach and treatment. *International Journal of Health Sciences*. 6 (3): 2552–2558.
- Nagahashi, M., Shimada, Y., Ichikawa, H., Nakagawa, S., Sato, N., Kaneko, K., Homma, K., Kawasaki, T., Kodama, K., Lyle, S., Takabe, K., dan Wakai, T. 2017. Formalin-fixed paraffin-embedded sample conditions for deep next generation sequencing. *Journal of Surgical Research*. 220 (7): 125–132.
- Naomi, S. M., Dewi, Y. A., dan Agustina, H. 2018. Association between histopathological grading and clinical staging in nasopharyngeal carcinoma. *Journal of Medicine and Health*. 2 (2): 730–737.
- National Cancer Institute. 2016. American society of clinical oncology teams in cancer care project. *Journal of Oncology Practice*. 12 (11): 955–958.
- Nekoui, A., dan Blaise, G. 2017. Erythropoietin and nonhematopoietic effects. *American Journal of the Medical Sciences*. 353 (1): 76–81.
- Nelonda, R., dan Dewi, T. S. 2019. Pentingnya mendeteksi oral leukoplakia sebagai oral potentially malignant disorders. *B-Dent Jurnal Kedokteran Gigi Universitas Baiturrahmah*. 5 (2): 162–169.
- Nieminen, T., Scott, T. A., Lin, F. M., Chen, Z., Yla-Herttuala, S., dan Morris, K. V. 2018. Long non-coding RNA modulation of VEGF-A during hypoxia. *Non-coding RNA*. 4 (4): 2–16.
- Niklander, S. E. 2021. Inflammatory mediators in oral cancer: pathogenic mechanisms and diagnostic potential. *Frontiers in Oral Health*. 2 (2): 1–10.
- Nolan J. P., Duggan E., Liu E., Condello D., Dave I, Stoner S. A., 2013. Single cell analysis using surface enhanced raman scattering (SERS) tags. *Methods*. 57 (9): 272–9.
- Palazon, A., Tyrakis, P. A., Macias, D., Veliça, P., S., Vojnovic, N., Phan, A. T., Loman, N., Hedenfalk, I., Hatschek, T., Lövrot, J., Foukakis, T., Goldrath, A. W., Bergh, J., dan Johnson, R. S. 2017. An HIF-1 $\alpha$ /VEGF-A axis in cytotoxic T cells regulates tumor progression. *Cancer Cell*. 32 (5): 669- 683.
- Pourali, L., Taghizadeh, A., Akhondi, M. R., Varshoei, F., Zarifian, A., dan Andalibi, M. S. S. 2017. Frequency of chemotherapy induced anemia in breast cancer patients. *International Journal of Cancer Management*. 10 (1): 1–6.

- Rapone, B., dan Ferrara, E. 2020. Vascular endothelial growth factor expression in the pathological angiogenesis in oral squamous cell carcinoma. *Oral Diseases* 7 (3). 1–12.
- Riskayanti, P. 2021. Manajemen multidisiplin oral squamous cell carcinoma (OSCC). *Intisari Sains Medis*. 12 (2): 621–626.
- Sebestyén, A., Kopper, L., Dankó, T., dan Tímár, J. 2021. Hypoxia signaling in cancer: from basics to clinical practice. *Pathology and Oncology Research*. 27 (5): 1–16.
- Sganzerla, J. T., Krueger, G. F., Oliveira, M. C. De, Gassen, H. T., Santos, M. A. Dos, Celeste, R. K., dan Miguens-Junior, S. A. Q. 2021. Relationship between anemia and oral cancer: a case-control study. *Brazilian Oral Research*. 35 (10): 1–9.
- Shigetomi, S., Imanishi, Y., Shibata, K., Sakai, N., Sakamoto, K., Fujii, R., Habu, N., Otsuka, K., Sato, Y., Watanabe, Y., Shimoda, M., Kameyama, K., Ozawa, H., Tomita, T., dan Ogawa, K. 2018. VEGF-C/Flt-4 axis in tumor cells contributes to the progression of oral squamous cell carcinoma via upregulating VEGF-C itself and contactin-1 in an autocrine manner. *American Journal of Cancer Research*. 8 (10): 2046–2063.
- Spanier, G., Böttcher, J., Gerken, M., Fischer, R., Roth, G., Lehn, P., Klingelhöffer, C., Meier, J. K., Fraccaroli, A., Tischer, J., Ettl, T., Klinkhammer-Schalke, M., Reichert, T. E., dan Spoerl, S. 2020. Prognostic value of perioperative red blood cell transfusion and anemia on survival and recurrence in oral squamous cell carcinoma. *Oral Oncology*. 107 (11): 1–8.
- Stauder, R., Valent, P., dan Theurl, I. 2018. Anemia at older age: etiologies, clinical implications, and management. *Blood*. 131 (5): 505–514.
- Speight, P. M., dan Farthing, P. M. 2018. The pathology of oral cancer. *British Dental Journal*. 225 (9): 841–847.
- Tanvir, I., Khan, R. U., Hassan, A., dan Mumtaz, S. U. 2021. Iron deficiency and risk of oral squamous cell carcinoma. *Pakistan BioMedical Journal*. 4 (1): 11–15.
- Taylor, S. C., Nadeau, K., Abbasi, M., Lachance, C., Nguyen, M., dan Fenrich, J. 2019. The ultimate qPCR experiment: producing publication quality, reproducible data the first time. *Trends in Biotechnology*. 37 (7): 761–774.
- Tjokprawiro, A. 2015. *Buku Ajar Ilmu Penyakit Dalam: Fakultas Kedokteran Universitas Airlangga Rumah Sakit Pendidikan Dr. Soetomo Surabaya*. Surabaya: Universitas Airlangga. pp 364-407.

- Union for International Cancer Control. 2017. *TNM Classification of Malignant Tumors 8 th Ed.* Wiley Publishers. New York. pp 145-155.
- Vinantika Ledy dan solikhah. 2018. Merokok dan anemia. *Journal of Community Medicine and Public Health.* 34 (10): 395–401.
- Vu, T., Jin, L., dan Datta, P. K. 2016. Effect of cigarette smoking on epithelial to mesenchymal transition (EMT) in lung cancer. *Journal of Clinical Medicine.* 5 (4): 1–15.
- Warnakulasuriya, S., dan Greenspan, J. S. 2020. *Textbook Of Oral Cancer.* Springer. London, UK. pp 47-69.
- WHO. 2015. *The global prevalence of anaemia in 2011.* World Health Organization. Geneva. 2 (4): 1–48.
- WHO. 2020. *Cancer Fact Sheets - Lip, Oral Cavity.* World Health Organization. Geneva. pp 1–158.
- Widayat, W., Winarni Agustini, T., Suzery, M., Ni'matullah Al-Baarri, A., dan Rahmi Putri, S. 2019. Real Time-polymerase chain reaction (RT-PCR) sebagai alat deteksi DNA babi dalam beberapa produk non-pangan. *Indonesia Journal of Halal.* 2 (1): 26.
- Wiszniak, S., dan Schwarz, Q. 2021. Exploring the intracrine functions of VEGF-A. *Biomolecules.* 11 (1): 1–13.
- Wibowo, D. V., Pangemanan, D. H. C., dan Polii, H. 2017. Hubungan merokok dengan kadar hemoglobin dan trombosit pada perokok dewasa. *Jurnal e-Biomedik.* 5 (2): 1–4.
- Wulandari, D. A., dan Yulkifli. 2018. Studi awal rancang bangun colormeter sebagai pendeteksi pada pewarna makanan menggunakan sensor photodiode. *Jurnal Pillar of Physics.* 11 (2): 81–87.
- Yosef, E., Hilly, O., Stern, S., Bachar, G., Shpitzer, T., dan Mizrachi, A. 2020. Squamous cell carcinoma of the oral tongue: distinct epidemiological profile disease. *Head and Neck.* 42 (9): 2316–2320.
- Zhang, Y., Feng, Y., dan Sun, X. 2022. Recombinant human erythropoietin accelerated the proliferation of non-small cell lung cancer cell lines and reduced the expression of VEGF, HIF-1 $\alpha$ , and PD-L1 under a simulated hypoxic environment in vitro. *Chronic Diseases and Translational Medicine.* 8 (2): 124–133.