

DAFTAR PUSTAKA

- AB. Zepeda, A Pessoa jr, RL. Castillo, CA. Figueroa, VM. Pulgar, JG. Farias, Cellular and molecular mechanisms in the hypoxic tissue: role of HIF-1 and ROS, *Cell Biochem Funct* 2013; 31: 451-459 (13June 2013), doi: 10.1002/cbf.2985
- Ahmed, S. M., Luo, L., Namani, A., Wang, X. J., & Tang, X. (2017). Nrf2 signaling pathway: Pivotal roles in inflammation. *Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease*, 1863(2), 585–597. <https://doi.org/10.1016/j.bbadis.2016.11.005>
- Arung W, Meurisse M, Detry O. (2011). Pathophysiology and prevention of Postoperative peritoneal adhesions. *World J Gastroenterol*;17(41): 4545-4553.
- Atilgan, R. *et al.* (2014) ‘Evaluation of vitamin C and vitamin E for prevention of postoperative adhesion: A rat uterine horn model study’, *Journal of Obstetrics and Gynaecology Research*, 41(3), pp. 418–423. doi:10.1111/jog.12544.
- Atta H (2011) Prevention of peritoneal adhesions: A promising role for gene therapy. *WorldJ Gastroenterol* 2011 December 14; 17(46): 5049-5058
- Azalia P.(2006). Pengaruh pemberian virgin coconut oil terhadap pembentukan sel busa tikus wistar setelah dioperasi aterogenesis. Artikel penelitian, FK Universitas Diponegoro. Semarang
- Baek BJ, Han DY.(2013). Effect of Prostaglandin E2 On VEGF Production Through the E-Prostanoid 4 Receptor in Nasal Polyp-Derived Fibroblasts - *Journal of Allergy and Clinical Immunology* [Internet]. [cited 2025 May 5]. Available from: [https://www.jacionline.org/article/S0091-6749\(12\)03535-X/fulltext](https://www.jacionline.org/article/S0091-6749(12)03535-X/fulltext)
- Bhutta, B. S., Alghoula, F., & Berim, I. (2022). Hypoxia. In *StatPearls*. StatPearls Publishing.
- Bilal, R. M., Liu, C., Zhao, H., Wang, Y., Farag, M. R., Alagawany, M., Hassan, F., Elnesr, S. S., Elwan, H. A., Qiu, H., & Lin, Q. (2021). Olive oil: Nutritional applications, beneficial health aspects and its prospective

application in poultry production. *Frontiers in Pharmacology*, 12. <https://doi.org/10.3389/fphar.2021.723040>

Binda MM, Hellebrekers BWJ, Declerck PJ, Koninckx PR. Effect of Reteplase™ and PAI-1 antibodies on postoperative adhesion formation in a laparoscopic mouse model. *Surg Endosc*. 2009 May;23(5):1018–25.

Boom, R., Sol, C. J., Salimans, M. M., Jansen, C. L., Wertheim-van Dillen, P. M., & van der Noordaa, J. (1990). Rapid and simple method for purification of nucleic acids. *Journal of clinical microbiology*, 28(3), 495–503.

British Journal of Haematology, 141(3), pp.325-34.

Burton, G. J., & Jauniaux, E. (2011). Oxidative stress. *Best practice & research. Clinical obstetrics & gynaecology*, 25(3), 287–299.

Bustin, S. (2000). Absolute quantification of mRNA using real-time reverse transcription polymerase chain reaction assays. *Journal of Molecular Endocrinology*, 25(2), 169–193

1. Cabral-Pacheco GA, Garza-Veloz I, Castruita-De la Rosa C, Ramirez-Acuña JM, Perez-Romero BA, Guerrero-Rodriguez JF, et al. The Roles of Matrix Metalloproteinases and Their Inhibitors in Human Diseases. *Int J Mol Sci*. 2020 Dec 20;21(24):9739.

Casini D, Fontani P, et al. 2015. A Rapid ELISA Method to Improve the Automated Test Throughput. *Analytical & Bioanalytical Techniques*.

Chen MJ, Chen TY, Cheng YM, Hsu YC. The Effect of Postoperative Hyperbaric Oxygen Treatment on Intra-Abdominal Adhesions in Rats. *Int J Mol Sci*. 2012 Sep 25;13(10):12224–31.

Cheong, YC; Laird, S.M; Li, T.C; Shelton, J.B; Ledger, W.L; Cooke, I.D. (2001). Peritoneal healing and adhesion formation/reformation. *Human Reproduction Update* 7 : 556-566. Cheung J, et al. (2009). Adjuvant Therapy for the Reduction of Postoperative Intra- abdominal Adhesion Formation. *Asian J Surg* ;32(3):180-6.

Chin HK, Horng CT, Liu YS, Lu CC, Su CY, Chen PS, et al. (2018). Kaempferol inhibits angiogenic ability by targeting VEGF receptor-2 and downregulating the PI3K/AKT, MEK and ERK pathways in VEGF-stimulated human umbilical vein endothelial cells. *Oncol Rep*. 39(5):2351–7.

- Cimmino F, Avitabile M, Lasorsa VA, Montella A, Pezone L, Cantalupo S, et al. (2019). HIF-1 transcription activity: HIF1A driven response in normoxia and in hypoxia. *BMC Med Genet*;20:37.
- Corrales, F., Corrales, M. and Schirmer, C.C. (2008) 'Preventing intraperitoneal adhesions with vitamin E and sodium hyaluronate/carboxymethylcellulose: A comparative study in rats', *Acta Cirurgica Brasileira*, 23(1), pp. 36–41. doi:10.1590/s0102-86502008000100007.
- De Santis, S., Cariello, M., Piccinin, E., Sabbà, C., & Moschetta, A. (2019). Extra virgin olive oil: Lesson from nutrigenomics. *Nutrients*, 11(9), 2085. <https://doi.org/10.3390/nu11092085>
- Devraj G, et al. 2016. Hypoxia and HIF-1 activation in bacterial infections, *Microbes and Infection*, pp. 1-13
- Di Saverio, et al.(2013). Bologna guidelines for diagnosis and management of adhesive smallbowel obstruction (ASBO): 2013 up date of the evidence-base guidelines from the world society of emergency surgery ASBO working group. *World Journal of Emergency Surgery*,8:42.
- Duffy AM, Bouchier-Hayes DJ, Harmey JH. (2013). Vascular Endothelial Growth Factor (VEGF) and Its Role in Non-Endothelial Cells: Autocrine Signalling by VEGF. In: *Madame Curie Bioscience Database*. Landes Bioscience; <https://www.ncbi.nlm.nih.gov/books/NBK6482/>
- Durmus, A.S. *et al.* (2011) 'Efficacy of vitamin E and selenium for the prevention of intra-abdominal adhesions in rats: Uterine horn models', *Clinics*, 66(7), pp. 1247–1251. doi:10.1590/s1807-59322011000700021.
- Endardjo S, et al (2008) *Pedoman Penanganan Bahan Pemeriksaan Untuk Histopatologi*. IAPI.
- Eremina, V., et al. 2003. Glomerular-specific alterations of VEGFA expression lead to distinct congenital and acquired renal diseases. *J Clin Invest*; 111, pp.707-16.
- Fatehi Hassanabad A, Zarzycki AN, Jeon K, Deniset JF, Fedak PWM. (2022). Post-Operative Adhesions: A Comprehensive Review of Mechanisms. *Biomedicine* 9(8):867.
- Fitzpatrick, S., 2019. Immunometabolism and Sepsis: A Role for HIF?. *Frontiers in Molecular Biosciences*, 6(85), pp. 1-14.

- Fitzpatrick, S., Gojkovic, M., Macias, D., Tegnebratt, T., Lu, L., Samén, E., Rundqvist, H. and Johnson, R., 2018. Glycolytic Response to Inflammation Over Time: Role of Myeloid HIF-1 α . *Frontiers in Physiology*, 9, pp.1- 7
- Foster DS, Marshall CD, Gulati GS, Chinta MS, Nguyen A, Salhotra A, et al. Elucidating the fundamental fibrotic processes driving abdominal adhesion formation. *Nat Commun*. 2020 Aug 13;11(1):4061.
- Fujita N, Chiba K, Shapiro IM, Risbud MV. HIF-1 α AND HIF-2 α DEGRADATION IS DIFFERENTIALLY REGULATED IN NUCLEUS PULPOSUS CELLS OF THE INTERVERTEBRAL DISC. *J Bone Miner Res*. 2012 Feb;27(2):401–12.
- Gerber HP, Malik AK, Solar GP, Sherman D, Liang XH, Meng G, Hong K, Marsters JC, Ferrara N. 2002. VEGF regulates haematopoietic stem cell survival by an internal autocrine loop mechanism. *Nature*;417, pp.954–8.
- Ghimire P, Maharjan S. Adhesive Small Bowel Obstruction: A Review. *JNMA J Nepal Med Assoc*. 2023 Apr;61(260):390–6.
- Ghosh R, Samanta P, Sarkar R, Biswas S, Saha P, Hajra S, et al. Targeting HIF-1 α by Natural and Synthetic Compounds: A Promising Approach for Anti-Cancer Therapeutics Development. *Molecules*. 2022 Jan;27(16):5192.
- Global Burden of Disease, 2018. Global Burden of Disease Results Tool. GBD Results Tool |GHDx. Available at: <http://ghdx.healthdata.org/gbd-results-tool>. Accessed June 8, 2020.
- Haase VH. Regulation of erythropoiesis by hypoxia-inducible factors. *Blood Rev*. 2013 Jan;27(1):41–53.
- He, C., Zhang,W., Li, S., Ruan,W., Xu, J., and Xiao, F. 2018. Edaravone improves septic cardiac function by inducing an HIF-1 α /HO-1 pathway. *Oxid.Med. Cell. Longev*. 2018,pp.1–11.
- Hellebrekers, B.W.J, Kooistra, T.(2011) Pathogenesis of postoperative adhesion formation. *British journal of Surgery*. 98: 1503-1516.
- Herrick SE, Wilm B. Post-Surgical Peritoneal Scarring and Key Molecular Mechanisms. *Biomolecules*. 2021 May;11(5):692.
- Hnasko R. 2015. ELISA Methods and Protocols. Human Press
- Hornedo-Ortega, R., Cerezo, A. B., de Pablos, R. M., Krisa, S., Richard, T., García-

- Parrilla, M. C., & Troncoso, A. M. (2018). Phenolic compounds characteristic of the Mediterranean diet in mitigating microglia-mediated neuroinflammation. *Frontiers in Cellular Neuroscience*, 12. <https://doi.org/10.3389/fncel.2018.00373>
- Houck, K.A. et al. 1991. The vascular endothelial growth factor family: identification of a fourth molecular species and characterization of alternative splicing of RNA. *Mol. Endocrinol.* 5, pp.1806-14.
- Hu Q, Zhang YF, Lou HL, Liu J, Duan WT, Hao W. GPX4 and vitamin E cooperatively protect hematopoietic stem and progenitor cells from lipid peroxidation and ferroptosis | *Cell Death & Disease* [Internet]. [cited 2025 May 5]. Available from: <https://www.nature.com/articles/s41419-021-04008-9>
- Hu, K., Babapoor-Farrokhran, S., Rodrigues, M., Deshpande, M., Puchner, B., Kashiwabuchi, F., Hassan, S. J., Asnaghi, L., Handa, J. T., Merbs, S., Eberhart, C. G., Semenza, G. L., Montaner, S., & Sodhi, A. (2016). Hypoxia-inducible factor 1 upregulation of both VEGF and ANGPTL4 is required to promote the angiogenic phenotype in uveal melanoma. *Oncotarget*, 7(7), 7816–7828.
- Ide AG, Baker NH, Warren SL.1939. Vascularization of the Brown Pearce rabbit epithelioma transplant as seen in the transparent ear chamber. *Am J Roentgenol*, 42:891–9.
- Strowitzki MJ, Cummins EP, Taylor CT. Protein Hydroxylation by Hypoxia-Inducible Factor (HIF) Hydroxylases: Unique or Ubiquitous? *Cells*. 2019 Apr 26;8(5):384.
- Jacob, S., Nair, A.B. and Morsy, M.A. (2022) ‘Dose conversion between animals and humans: A practical solution’, *Indian Journal of Pharmaceutical Education and Research*, 56(3), pp. 600–607. doi:10.5530/ijper.56.3.108.
- Jawhara S. How Do Polyphenol-Rich Foods Prevent Oxidative Stress and Maintain Gut Health? *Microorganisms*. 2024 Aug;12(8):1570.
- Karaman S, Paavonsalo S, Heinolainen K, Lackman MH, Ranta A, Hemanthakumar KA, et al. Interplay of vascular endothelial growth factor receptors in organ-specific vessel maintenance. *J Exp Med*. 2022 Jan 20;219(3):e20210565.

- Karkkainen, M.J., Makinen, T. And Alitalo, K. 2002. Lymphatic endothelial growth factor (VEGF) and its receptors. *FASEB J*;13, pp. 9-22.
- Khuu MA. Lessons from neuronal HIF1a: Understanding its role in ventilatory acclimatization to hypoxia. *J Physiol*. 2020 Nov 1;598(21):4751–2.
- Kim WY, Safran M, Buckley MR, Ebert BL, Glickman J, Bosenberg M et al. 2006. Failure to prolyl hydroxylate hypoxia-inducible factor alpha phenocopies VHL inactivation in vivo. *EMBO J*; 25, pp. 4650–62.
- Krishnamachary B, Zagzag D, Nagasawa H, Rainey K, Okuyama H, Baek JH et al. 2006. Hypoxia- inducible factor-1-dependent repression of E-cadherin in von Hippel–Lindau tumor suppressor-null renal cell carcinoma mediated by TCF3, ZFH1A, and ZFH1B. *Cancer Res*; 66, pp.2725–31.
- Lazarus A, Keshet E. Vascular Endothelial Growth Factor and Vascular Homeostasis. *Proc Am Thorac Soc*. 2011 Nov;8(6):508–11.
- Li R, Feng D, Han S, Zhai X, Yu X, Fu Y, et al. Macrophages and fibroblasts in foreign body reactions: How mechanical cues drive cell functions? *Materials Today Bio*. 2023 Oct 1;22:100783.
- Life Technologies. 2015. Basics of real-time PCR. Dilihat pada 28 April 2020 from website: <http://www.gene-quantification.com/real-time-pcr-handbook-lifetechnologies-update-flr.pdf>
- Loscalzo J. The cellular response to hypoxia: tuning the system with microRNAs. *J Clin Invest*. 2010 Nov 1;120(11):3815–7.
- Luo, H. *et al.* (2009) ‘Kaempferol Inhibits Angiogenesis and VEGF Expression Through Both HIF Dependent and Independent Pathways in Human Ovarian Cancer Cells’, *Nutrition and cancer*, 61(4), p. 554. doi: 10.1080/01635580802666281
- Makarska, J. *et al.* (2010) ‘Influence of vitamin E given intraperitoneally to prevent peritoneal adhesions in rats’, *Polish Journal of Surgery*, 82(10). doi:10.2478/v10035-010-0081-2.
- Mankhambo, L. A. *et al.* (2010) ‘The role of angiogenic factors in predicting clinical outcome in severe bacterial infection in Malawian children’, *Critical Care*, 14(3), pp. 1–11. doi: 10.1186/cc9025
- Martinez CA, Bal N, Cistulli PA, Cook KM. Intermittent hypoxia enhances the expression of HIF1A by increasing the quantity and catalytic activity of KDM4A-C and demethylating H3K9me3 at the HIF1A locus [Internet].

- bioRxiv; 2021 [cited 2025 May 5]. p. 2021.07.25.453726. Available from: <https://www.biorxiv.org/content/10.1101/2021.07.25.453726v1>
- Melincovici CS, Boşca AB, Mărginean M, Mişu C, Istrate M, Moldovan IM, et al. Vascular endothelial growth factor (VEGF) – key factor in normal and pathological angiogenesis. *Romanian Journal of Morphology & Embryology*. 2018;59(2):455–67.
- Minervini G, Lopreiato R, Bortolotto R, Falconieri A, Sartori G, Tosatto SCE. Novel interactions of the von Hippel-Lindau (pVHL) tumor suppressor with the CDKN1 family of cell cycle inhibitors. *Sci Rep*. 2017 Apr 20;7(1):46562.
- Mohd Zaffarin, A. S., Ng, S.-F., Ng, M. H., Hassan, H., & Alias, E. (2020). pharmacology and pharmacokinetics of vitamin E: Nanoformulations to enhance bioavailability. *International Journal of Nanomedicine, Volume 15*, 9961–9974. <https://doi.org/10.2147/ijn.s276355>
- Movafagh, S., Crook, S., & Vo, K. (2015). Regulation of hypoxia-inducible factor-1a by reactive oxygen species: new developments in an old debate. *Journal of cellular biochemistry, 116(5)*, 696–703.
- Nagai H, Chew SH, Okazaki Y, Funahashi S, Namba T, Kato T, et al. Metamorphosis of mesothelial cells with active horizontal motility in tissue culture. *Sci Rep*. 2013 Jan 28;3(1):1144.
- Nair, A. and Jacob, S. (2016). A simple practice guide for dose conversion between animals and human. *Journal of Basic and Clinical Pharmacy, 7(2)*, p. 27. doi:10.4103/0976-0105.177703.
- Negrão R, Costa R, Duarte D, Gomes TT, Azevedo I, Soares R. Different effects of catechin on angiogenesis and inflammation depending on VEGF levels. *The Journal of Nutritional Biochemistry*. 2013 Feb 1;24(2):435–44.
- Neufeld, G., Cohen, T., Gengrinovitch, S., and Poltorak, Z. 1999. Vascular endothelial growth factor (VEGF) and its receptors. 1999. *FASEB J*. 13, pp. 9-22.
- Office of Dietary Supplements, National Institutes of Health. 2024. Vitamin E: Fact Sheet for Health Professionals. Updated February 28, 20224.
- Olfert IM. Physiological capillary regression is not dependent on reducing VEGF expression. *Microcirculation*. 2016 Feb;23(2):146–56.

- Pizzino, G., Irrera, N., Cucinotta, M., Pallio, G., Mannino, F., Arcoraci, V., Squadrito, F., Altavilla, D., & Bitto, A. (2017). Oxidative Stress: Harms and Benefits for Human Health. *Oxidative medicine and cellular longevity*, 2017, 8416763.
- Pollard PJ, Spencer-Dene B, Shukla D, Howarth K, Nye E, El-Bahrawy M et al. 2007. Targeted inactivation of fh1 causes proliferative renal cyst development and activation of the hypoxia pathway. *Cancer Cell*; 11, pp.311–9
- Putra LAG, Yonathan CJ, Niedhatrata NI, Firdaus MHR, Yoewono JR. A review of the development of Polymerase Chain Reaction technique and its uses in Scientific field. *Stannum : Jurnal Sains dan Terapan Kimia*. 2020 Apr 30;2(1):14–30.
- Porta C, Sironi C, Bodega F, Agostoni E. Pleural Lubrication. *Lubricants*. 2016 Jun;4(2):15.
- Ramakrishnan, S., Anand, V. and Roy, S., 2014. Vascular Endothelial Growth Factor Signaling in Hypoxia and Inflammation. *Journal of Neuroimmune Pharmacology*, 9(2),pp.142-60.
- Ren J, Xin R, Cui X, Xu Y, Li C. Quercetin relieves compression-induced cell death and lumbar disc degeneration by stabilizing HIF1A protein - ScienceDirect [Internet]. 2024 [cited 2025 May 5]. Available from: <https://www.sciencedirect.com/science/article/pii/S2405844024133804>
- Risman RA, Kirby NC, Bannish BE, Hudson NE, Tutwiler V. Fibrinolysis: an illustrated review. *Res Pract Thromb Haemost*. 2023 Feb 17;7(2):100081.
- Rius, J., Guma, M., Schachtrup, C., Akassoglou, K., Zinkernagel, A., Nizet, V., Johnson, R., Haddad, G. and Karin, M., 2008. NF- κ B links innate immunity to the hypoxic response through transcriptional regulation of HIF-1 α . *Nature*, 453(7196), pp.807-11.
- Rossi LF, Trindade MRM, D'Acampora AJ, Meurer L. PERITONEAL ADHESIONS TYPE I, III AND TOTAL COLLAGEN ON POLYPROPYLENE AND COATED POLYPROPYLENE MESHES: EXPERIMENTAL STUDY IN RATS. *ABCD, arq bras cir dig*. 2017 Jun;30(2):77–82.
- Sarkar, M., Niranjana, N., & Banyal, P. K. (2017). Mechanisms of hypoxemia.

- Lung India : official organ of Indian Chest Society*, 34(1), 47–60.
<https://doi.org/10.4103/0970-2113.197116>
- Schäfer, S., Frede, S., Winning, S., Bick, A., Roshangar, P., Fandrey, J., et al. 2013. Hypoxia-inducible factor and target gene expression are decreased in patients with sepsis. *Anesthesiol.* 118, pp. 1426–36.
- Schwingshackl, I., mEDICI, S., Hoffmann, G., & others. (2025). Olive oil in the prevention of chronic disease: summary of recent evidence. *The American Journal of Clinical Nutrition*, 121(3), 503-511.
[https://ajcn.nutrition.org/article/S0002-9165\(25\)00090-2/fulltext](https://ajcn.nutrition.org/article/S0002-9165(25)00090-2/fulltext)
- Shibuya M. Vascular Endothelial Growth Factor (VEGF) and Its Receptor (VEGFR) Signaling in Angiogenesis: A Crucial Target for Anti- and Pro-Angiogenic Therapies. *Genes & Cancer*. 2011 Dec 1;2(12):1097–105.
- Shibuya, M., et al. 1990. Nucleotide sequence and expression of a novel human receptor-type tyrosine kinase (flt) closely related to the fms family. *Oncogene*; 8, pp. 519-27.
- Siemester, G., et al. 1996. Reversion of deregulated expression of vascular endothelial growth factor in human renal carcinoma cells by von Hippel-Lindau tumor suppressor protein. 56, pp. 2299- 301.
- Smith, T., Robbins, P. and Ratcliffe, P., 2008. The human side of hypoxia-inducible factor.
- Soto-Alarcon, S. A., Valenzuela, R., Valenzuela, A., & Videla, L. A. (2017). Liver protective effects of extra virgin olive oil: Interaction between its chemical composition and the cell-signaling pathways involved in protection. *Endocrine, Metabolic & Immune Disorders - Drug Targets*, 18(1), 75–84. <https://doi.org/10.2174/1871530317666171114120552>
- Suter P.M. (2022). Vitamin and trace mineral deficiency and excess. Loscalzo J, & Fauci A, & Kasper D, & Hauser S, & Longo D, & Jameson J(Eds.), *Harrison's Principles of Internal Medicine*, 21e. McGraw Hill.
- Szewczyk, K., Chojnacka, A., & Górnicka, M. (2021). Tocopherols and tocotrienols—bioactive dietary compounds; what is certain, what is doubt? *International Journal of Molecular Sciences*, 22(12), 6222. <https://doi.org/10.3390/ijms22126222>
- T. Sudirman, M. Hatta, P. Prihantono, A. Bukhari, T.R. Tedjasaputra, H. Lie, Vitamin E administrations as preventive measures for peritoneal/intra-

- abdominal adhesions: A systematic review and meta-analysis, *Ann. Med. Surg.* 80 (2022 Aug) 104225, <https://doi.org/10.1016/j.amsu.2022.104225>.
- Takenoshita Y, Tokito A, Jougasaki M. Inhibitory Effects of Eicosapentaenoic Acid on Vascular Endothelial Growth Factor-Induced Monocyte Chemoattractant Protein-1, Interleukin-6, and Interleukin-8 in Human Vascular Endothelial Cells. *International Journal of Molecular Sciences*. 2024 Jan;25(5):2749.
- Tamam, M. B. (2016). Pengertian dan Prinsip Kerja Real Time PCR. Dilihat pada 28 april 2020 dari website *Generasi Biologi*.
- Textoris, J., Beaufils, N., Quintana, G., Ben Lassoued, A., Zieleskiewicz, L., Wiramus, S., et al. 2012. Hypoxia-inducible factor (HIF1 α) gene expression in human shock states. *Critical Care*, 16(4):R120.
- Vink A, Schoneveld AH, Lamers D, Houben AJ, van der Groep P, van Diest PJ, Pasterkamp G. 2007. HIF-1 α expression is associated with an atheromatous inflammatory plaque phenotype and upregulated in activated macrophages. *Atherosclerosis* (in press).
- Wal, JBC Van der; Jeekel, J. (2007) Biology of the peritoneum in normal homeostasis and after surgical trauma. *Journal Compilation The Association of Coloproctology of Great Britain and Ireland*. 9 (Suppl. 2): 9-13.
- Wang GL, Semenza GL. 1995. Purification and characterization of hypoxia inducible factor1. *J Biol Chem*,270:12307.
- Wang X, Bove AM, Simone G, Ma B. Molecular Bases of VEGFR-2-Mediated Physiological Function and Pathological Role. *Front Cell Dev Biol*. 2020 Nov 16;8:599281.
- Ward B et al (2011) Research review: Abdominal Adhesions: Current and Novel Therapies; *Journal of Surgical Research*. *Journal of Surgical Research* 165, 91-111.
- Weidemann, A. and Johnson, R., 2008. Biology of HIF-1 α . *Cell Death & Differentiation*,15(4), pp.621- 627.
- Werth N, Hartmann H, Wurz H, Amr A, Kempf VA. 2006. Role of HIF-1 in bacterial infections. *Acta Physiologica*,188:P23.
- Wiesener MS, Jurgensen JS, Rosenberger C, Scholze CK, Horstrup JH, Warnecke C et al. 2003. Widespread hypoxia-inducible expression of HIF- 2 α in

- distinct cell populations of different organs. *FASEB J*; 17, pp. 271–3.
- Xiaowei Zheng, et al.(2022) Repression of hypoxia-inducible factor-1 contributes to increased mitochondrial reactive oxygen species production in diabetes *eLife* 11:e70714
- Xu L, Croix BSt. Improving VEGF-targeted therapies through inhibition of COX-2/PGE2 signaling. *Molecular & Cellular Oncology*. 2014 Dec 8;1(4):e969154.
- Yajima T, Yagihashi A, Furuya D, Kameskhim H (1998) Quantitative reverse transcription PCR assay of the RNA component of human telomerase using the tagman fluorogenic detection system. *Clinical chemistry*; 44:12;2441-2445.
- Yildiz H,et al (2011) The comparison of methylene blue and vitamin E in prevention of abdominal postoperative adhesion formation in rat uterine horn models. *Biochemical and histopathologic evaluation.Acta Cirurgica Brasileria – Vol.26 (1)*.
- Zhang J, Yao M, Xia S, Zeng F, Liu Q. Systematic and comprehensive insights into HIF-1 stabilization under normoxic conditions: implications for cellular adaptation and therapeutic strategies in cancer. *Cell Mol Biol Lett*. 2025 Jan 6;30:2.
- Zhang J, Yao M, Xia S, Zeng F, Liu Q. Systematic and comprehensive insights into HIF-1 stabilization under normoxic conditions: implications for cellular adaptation and therapeutic strategies in cancer. *Cell Mol Biol Lett*. 2025 Jan 6;30:2.
- Zinkernagel, A., Johnson, R. and Nizet, V., 2007. Hypoxia inducible factor (HIF) function in innate immunity and infection. *Journal of Molecular Medicine*, 85(12), pp.1339-46.
- Zühlke, H. V., Lorenz, E. M., Straub, E. M., & Savvas, V. (1990). Pathophysiology and classification of adhesions. *Langenbecks Archiv fur Chirurgie. Supplement II, Verhandlungen der Deutschen Gesellschaft fur Chirurgie*,1009–1016.