

DAFTAR PUSTAKA

- Abdelghany, A. A., D'Oria, F., Alio Del Barrio, J., & Alio, J. L. (2021). The Value of Anterior Segment Optical Coherence Tomography in Different Types of Corneal Infections: An Update. *Journal of clinical medicine*, 10(13), 2841. <https://doi.org/10.3390/jcm10132841>
- Acharya, M., Farooqui, J. H., Jain, S., & Mathur, U. (2019). Pearls and paradigms in Infective Keratitis. *Romanian J. Ophthalmol*, 63(2), 119–127. <https://doi.org/10.22336/rjo.2019.18>
- Alcaraz, A., Mrowiec, A., Insausti, C. L., Bernabé-García, Á., García-Vizcaíno, E. M., López-Martínez, M. C., Monfort, A., Izeta, A., Moraleda, J. M., Castellanos, G., & Nicolás, F. J. (2015). Amniotic membran modifies the genetic program induced by TGFβ, stimulating keratinocyte proliferation and migration in chronic wounds. *PLoS ONE*, 10(8). <https://doi.org/10.1371/journal.pone.0135324>
- Amatya, R., Shrestha, S., Khanal, B., Gurung, R., Poudyal, N., Bhattacharya, S. & Badu, B. J. N. M. C. J. 2012. Etiological agents of corneal ulcer: five years prospective study in eastern Nepal. 14, 219-222.
- Andresen Lundgaard, J., Ledet, T. and Ehlers, N. (1997) 'Keratocyte migration and peptide growth factors: the effect of PDGF, bFGF, EGF, IGF-I, aFGF and TGF-β on human keratocyte migration in a collagen gel', *Current Eye Research*, 16(6), pp. 605–613. Available at: <https://doi.org/10.1076/ceyr.16.6.605.5081>
- Antar, S. A., Ashour, N. A., Marawan, M. E., & Al-Karmalawy, A. A. (2023). Fibrosis: Types, Effects, Markers, Mechanisms for Disease Progression, and Its Relation with Oxidative Stress, Immunity, and Inflammation. *International Journal of Molecular Sciences*, 24(4). <https://doi.org/10.3390/ijms24044004>
- Austin, A., Lietman, T., & Rose-Nussbaumer, J. (2017). Update on the Management of Infectious Keratitis. *Ophthalmology*, 124(11), 1678–1689. <https://doi.org/10.1016/j.ophtha.2017.05.012>
- Aydin S. A short history, principles, and types of ELISA, and our laboratory experience with peptide/protein analyses using ELISA. *Peptides*. 2015 Oct;72:4-15.
- Bamdad, S., Malekhosseini, H., & Khosravi, A. (2015). Ultraviolet A/Riboflavin Collagen Cross-Linking for Treatment of Moderate Bacterial Corneal Ulcers. *Cornea*, 34(4), 402–406. doi:10.1097/ico.0000000000000375
- Bettahi, I., Sun, H., Gao, N., Wang, F., Mi, X., Chen, W., Liu, Z., & Yu, F. S. X. (2014). Genome-wide transcriptional analysis of differentially expressed genes in diabetic, healing corneal epithelial cells: Hyperglycemia-suppressed TGFB3 expression contributes to the delay of epithelial wound healing in diabetic corneas. *Diabetes*, 63(2), 715–727 <https://doi.org/10.2337/db13-1260>
- Bouman, V., Pump, H., Borsook, D., Severinsky, B., Wisse, R. P., Saeed, H. N., & Moulton, E. A. (2021). Pain mechanisms and management in corneal cross-linking: A review. *BMJ Open Ophthalmology*, 6(1). <https://doi.org/10.1136/bmjophth-2021-000878>

- Bowling B. Kanski's Clinical Ophthalmology A Systemic Approach. Chapter 6: Cornea. Sydney. Elsevier; 2016. Hal. 167-8.
- Brar VS, Law SK, Lindsey JL, Mackey DA, Schultze RL, Singh RS, *et al*. Fundamentals and principles of ophthalmology. Dalam: Cantor LB, Rapuano C, Cioffi G, editor. Basic and clinical science course. San Fransisco: American Academy of Ophthalmology; 2019. hlm. 50-6, 259-67.
- Brocks, D., Mead, O. G., Tighe, S., & Tseng, S. C. G. (2020). Self-Retained Cryopreserved Amniotic Membrane for the Management of Corneal Ulcers. *Clinical Ophthalmology*, 14, 1437–1443. <https://doi.org/10.2147/OPTH.S253750>
- Bukowiecki, A., Hos, D., Cursiefen, C., & Eming, S. A., 2017, "Wound-healing studies in cornea and skin: parallels, differences and opportunities. *Int. J. Mol. Sci.* , 18(6), 1257.
- Byrd, L.B. and Martin, N. (2020). Corneal Ulcer. [online] PubMed. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK539689/#article-30728.s2>.
- Cantor, Louis B, Rapuano, Christopher J, dkk. External Eye and Diseases. Dalam: Basic and Clinical Science Course. American Academy of Ophthalmology. San Francisco: 2019-2020. Hal. 252-74; 314-28
- Cao, Y., Zhang, W., Wu, J., Zhang, H., & Zhou, H. (2017). Peripheral Ulcerative Keratitis Associated with Autoimmune Disease: Pathogenesis and Treatment. *Journal of Ophthalmology*, 2017. <https://doi.org/10.1155/2017/7298026>
- Casalita V, Nora R, Edwar L, Susiyanti M, Sitompul R. Erratum: Amniotic membran transplantation for infectious corneal ulcer treatment: a cohort retrospective study. *Medical Journal of Indonesia*. 2021;30(1):86.
- Chan, T.C.Y., Lau, T.W.S., Lee, J.W.Y., Wong, I.Y.H., Jhanji, V. and Wong, R.L.M. (2015). Corneal collagen cross-linking for infectious keratitis: an update of clinical studies. *Acta Ophthalmologica*, 93(8), pp.689–696. doi:10.1111/aos.12754.
- Chaurasia, S., Lim, R., Lakshminarayanan, R. and Mohan, R. (2015). Nanomedicine Approaches for Corneal Diseases. *Journal of Functional Biomaterials*, 6(2), pp.277–298. doi:10.3390/jfb6020277.
- Contreras-Ruiz, L., Schulze, U., García-Posadas, L., Arranz-Valsero, I., López-García, A., Paulsen, F., & Diebold, Y. (2012). Structural and functional alteration of corneal epithelial barrier under inflammatory conditions. *Current eye research*, 37(11), 971–981. <https://doi.org/10.3109/02713683.2012.700756>
- Copeland R, Afshari N. Copeland And Afshari's Principles And Practice Of Cornea. New Delhi: Jaypee-Highlights Medical Publishers; 2013.
- Dadkhah Tehrani, F., Firouzeh, A., Shabani, I., & Shabani, A. (2021). A Review on Modifications of Amniotic Membran for Biomedical Applications. *Frontiers in Bioengineering and Biotechnology*, 8(January), 1–25. <https://doi.org/10.3389/fbioe.2020.606982>

- Dan, F. (2018). Research Progress on Corneal Collagen Cross-Linking for Corneal Ulcerative Keratitis. *International J. Ophthalmol & Visual Science*, 3(2), p.21. doi:10.11648/j.ijovs.20180302.12.
- Davidson, H. J., & Kuonen, V. J. (2004). The tear film and ocular mucins. *Veterinary Ophthalmology*, 7(2), 71–77. <https://doi.org/10.1111/j.1463-5224.2004.00325.x>
- DelMonte, D. W., & Kim, T. (2011). Anatomy and physiology of the cornea. *J. Cataract. Refract. Surg*, 37(3), 588–598. <https://doi.org/10.1016/j.jcrs.2010.12.037>
- Dogru, M., Yildiz, M., Baykara, M., Özçetin, H., & Ertürk, H. (2003). Corneal sensitivity and ocular surface changes following preserved amniotic membrane transplantation for nonhealing corneal ulcers. *Eye*, 17(2), 139–148.
- Donzis, P. B., & Mondino, B. J. (1987). Management of noninfectious corneal ulcers. *Surv Ophthalmol*, 32(2), 94–110. [https://doi.org/10.1016/0039-6257\(87\)90102-0](https://doi.org/10.1016/0039-6257(87)90102-0)
- Engvall E. The ELISA, enzyme-linked immunosorbent assay. *Clin Chem*. 2010 Feb;56(2):319–20.
- Erlangga, M., Mahayana, I., Fachiroh, J., Agni, A., Supartoto, A., Pawiroranu, S. (2018). Changes in interleukin-6 tear concentration and clinical outcome in moderate-to-severe bacterial corneal ulcers after corneal collagen cross-linking. *International J of ophthalmol*. 11. 1421–1424. 10.18240/ijo.2018.08.27.
- Espana, E. M., Grueterich, M., Sandoval, H., Solomon, A., Alfonso, E., Karp, C. L., & Tseng, S. C. (2003). Amniotic membrane transplantation for bullous keratopathy in eyes with poor visual potential. *J. Cataract .Refract. Surg*, 29(2), 279–284.
- Farahani, M., Patel, R., & Dwarakanathan, S. (2017). Infectious corneal ulcers. *Disease-a-Month*, 63(2), 33–37. <https://doi.org/10.1016/j.disamonth.2016.09.003>
- Farjo AA, Brumm MV, Soong HK. Corneal Anatomy, Physiology, and Wound Healing. Dalam Yanoff M, Duker JS, editors. *Ophthalmology*. Edisi ke-4. Philadelphia: Saunders; 2014. Hal. 163–7.
- Fini, M. E, Jeffery R. C, and Royce M., 1998 "Proteolytic mechanisms in corneal ulceration and repair." *Arch. Derm. Res* 290.1: S12–S23.
- Gao, C., Lin, X., Fan, F., Liu, X., Wan, H., Yuan, T., Zhao, X. and Luo, Y. (2022). Status of higher TGF-β1 and TGF-β2 levels in the aqueous humour of patients with diabetes and cataracts. *BMC Ophthalmology*, 22(1). doi:10.1186/s12886-022-02317-x.
- Gkika, M., Labiris, G., & Kozobolis, V. (2011). Corneal collagen cross-linking using riboflavin and ultraviolet-A irradiation: a review of clinical and experimental studies. *International ophthalmology*, 31(4), 309–319. <https://doi.org/10.1007/s10792-011-9460-x>
- Green M., Carnt N., Apel A., Stapleton F. Queensland Microbial Keratitis Database: 2005–2015. *Br. J. Ophthalmol*. 2019;103:1481. doi: 10.1136/bjophthalmol-2018-312881
- Griffith, G.L., Kasus-Jacobi, A. and Pereira, H.A. (2017). Bioactive Antimicrobial Peptides as Therapeutics for Corneal Wounds and Infections. *Advances in Wound Care*, 6(6), pp.175–190. doi:10.1089/wound.2016.0713.

- Gu, H. W., Bian, D. M., Hu, N., & Zhang, J. F. (2011). Effects of amniotic membrane transplantation on cytokines expression in chemically burned rat corneas. *International journal of ophthalmology*, 4(1), 33–36. <https://doi.org/10.3980/j.issn.2222-3959.2011.01.07>
- Gulias-Cañizo R, Benatti A, De Wit-Carter G, Hernández-Quintela E, Sánchez-Huerta V. Photoactivated Chromophore for Keratitis-Corneal Collagen Cross-Linking (PACK-CXL) Improves Outcomes of Treatment-Resistant Infectious Keratitis. *Clin Ophthalmol*. 2020;14:4451-4457.
- Guo, X., Sriram, S., Tran, J. A., K. Hutcheon, A. E., & Zieske, J. D. (2018). Inhibition of Human Corneal Myofibroblast Formation. *Investigative Ophthalmology & Visual Science*, 59(8), 3511-3520. <https://doi.org/10.1167/iovs.18-24239>
- Hachana, S., & Larrivée, B. (2022). TGF-B superfamily signaling in the eye: Implications for ocular pathologies. *Cells*, 11(15), 2336. <https://doi.org/10.3390/cells11152336>
- Hafezi, F., Hosny, M., Shetty, R., Knyazer, B., Chen, S., Wang, Q., Hashemi, H., Torres-Netto, E. A., & Group, C. W. (2022). PACK-CXL vs. Antimicrobial therapy for bacterial, fungal, and mixed infectious keratitis: A prospective randomized phase 3 trial. *Eye and Vision*, 9. <https://doi.org/10.1186/s40662-021-00272-0>
- Hafezi F, Randleman J. PACK-CXL: Defining CXL for Infectious Keratitis. *Jl Refr Surg*. 2014;30(7):438-439.
- Hovakimyan, M., Guthoff, R. F., & Stachs, O. (2012). Collagen cross-linking: Current status and future directions. *Journal of Ophthalmology*, 2012. <https://doi.org/10.1155/2012/406850>
- Idrus, E.A. et al. (2018) ‘Photoactivated chromophore corneal cross-linking (PACK-CXL) for treatment of severe keratitis’, *Acta Ophthalmologica*. Available at: <https://doi.org/10.1111/aos.14001>.
- Iseli, H.P. et al. (2008) ‘Ultraviolet A/Riboflavin Corneal Cross-linking for Infectious Keratitis Associated With Corneal Melts’, *Cornea*, 27(5), pp. 590–594. Available at: <https://doi.org/10.1097/ico.0b013e318169d698>.
- Lamas-Francis, D. et al. (2023) ‘Amniotic Membrane Transplantation in the Management of Corneal Ulceration Following Infectious Keratitis’, *Ocul Immunol Inflamm*, pp. 1–7. Available at: <https://doi.org/10.1080/09273948.2023.2228901>.
- Kamil, S., & Mohan, R. R. (2021). Corneal stromal wound healing: Major regulators and therapeutic targets. *The ocular surface*, 19, 290–306. <https://doi.org/10.1016/j.jtos.2020.10.006>
- Kampitak, K., Suntisetsin, H., Sirikul, T., 2014. Clinical and microbiological characteristics of corneal ulcers in a Thai referral center. *Asian Biomed* 8, 275–282.
- Karamichos, D., Hutcheon, A., & Zieske, J. (2014). Reversal of fibrosis by TGF-β3 in a 3D in vitro model. *Experimental Eye Research*, 124, 31-36. <https://doi.org/10.1016/j.exer.2014.04.020>

- Kay, E.P. et al. (1998) 'TGF- β s stimulate cell proliferation via an autocrine production of FGF-2 in corneal stromal fibroblasts', *Current eye research*, 17(3), pp. 286–293. Available at: <https://doi.org/10.1076/ceyr.17.3.286.5212>.
- Klenkler, B., Sheardown, H., & Jones, L. (2007). Growth factors in the tear film: Role in tissue maintenance, wound healing, and ocular pathology. *Ocular Surface*, 5(3), 228–239. [https://doi.org/10.1016/S1542-0124\(12\)70613-4](https://doi.org/10.1016/S1542-0124(12)70613-4)
- Koh Y.-Y., Sun C.-C., Hsiao C.-H. Epidemiology and the Estimated Burden of Microbial Keratitis on the Health Care System in Taiwan: A 14-Year Population-Based Study. *Am. J. Ophthalmol.* 2020;220:152–159. doi: 10.1016/j.ajo.2020.07.026
- Kohl TO, Ascoli CA. Direct Competitive Enzyme-Linked Immunosorbent Assay (ELISA). *Cold Spring Harb Protoc.* 2017 Jul 05;2017(7):pdb.prot093740.
- Koizumi, N. J., Inatomi, T. J., Sotozono, C. J., Fullwood, N. J., Quantock, A. J., & Kinoshita, S. (2000). Growth factor mRNA and protein in preserved human amniotic membran. *Current Eye Research*, 20(3), 173–177.
- Konstantinou GN. Enzyme-Linked Immunosorbent Assay (ELISA). *Methods Mol Biol.* 2017;1592:79-94.
- Lacorzana, J., Campos, A., C., E., L., J., Petsoglou, C., & Serrano, J. L. (2020). Visual Acuity and Number of Amniotic Membrane Layers as Indicators of Efficacy in Amniotic Membrane Transplantation for Corneal Ulcers: A Multicenter Study. *Journal of Clinical Medicine*, 10(15), 3234. <https://doi.org/10.3390/jcm10153234>
- Lichtman, M. K., Otero-Vinas, M., & Falanga, V. (2016). Transforming growth factor beta (TGF- β) isoforms in wound healing and fibrosis. Wound repair and regeneration : official publication of the Wound Healing Society [and] the European Tissue Repair Society, 24(2), 215–222. <https://doi.org/10.1111/wrr.12398>
- Ljubimov, A. V., & Saghizadeh, M. (2015). Progress in corneal wound healing HHS Public Access. *Prog Retin Eye Res*, 49(310), 17–45. <https://doi.org/10.1016/j.preteyeres.2015.07.002>.Progress
- Madhu Uddaraju et al. (2015) 'Corneal Cross-linking as an Adjuvant Therapy in the Management of Recalcitrant Deep Stromal Fungal Keratitis: A Randomized Trial', *Am J. Ophthalmol*, 160(1), pp. 131-134.e5. Available at: <https://doi.org/10.1016/j.ajo.2015.03.024>.
- Mannis MJ, Hollad EJ. Cornea—fundamental, diagnosis and management. 4 ed. Philadelphia: Elsevier; 2016. Hal. 132-178.
- Malhotra, C. and Jain, A.K. (2014) 'Human amniotic membrane transplantation: Different modalities of its use in ophthalmology', *World Journal of Transplantation*, 4(2), p. 111. Available at: <https://doi.org/10.5500/wjt.v4.i2.111>.
- Malska, A., Elks, R., Gonella, B. and Lin, J.-T. (2018). Repair of Severe Melting Ulcers with High Intensity UV-pen (18 to 60 mW/cm²) Corneal Cross-linking (CXL) and Amniotic Membrane Graft. *Ophthalmology Research: An International Journal*, 9(1), pp.1–8. doi:10.9734/or/2018/41495.

- Makdoui K, Mortensen J, Sorkhabi O, Malmvall BE, Crafoord S. UVA-riboflavin photochemical therapy of bacterial keratitis: A pilot study. *Graefes Arch Clin Exp Ophthalmol*. 2012. doi:10.1007/s00417-011-1754-1
- Martha, F., Edwar, L., Karuniawati, A., Fuady, A., & Tuasikal, R. M. (2023). Comparison of Culture Results between Specimens from Corneal Scraping with Microhomogenization and Corneal Swab in Moderate and Severe Bacterial Corneal Ulcers. *Microbiology spectrum*, 11(2), e0356522. Advance online publication. <https://doi.org/10.1128/spectrum.03565-22>
- Mattila, J.S., Korsbäck, A., Krotila, K. and Holopainen, J.M. (2013). Treatment of *Pseudomonas aeruginosa* keratitis with combined corneal cross-linking and human amniotic membrane transplantation. *Acta Ophthalmologica*, 91(5), pp.e410–e411. doi:10.1111/aos.12115.
- McKay, Priyadarsini and Karamichos (2019). Mechanisms of Collagen Crosslinking in Diabetes and Keratoconus. *Cells*, 8(10), p.1239. doi:10.3390/cells8101239.
- Meller, D., Pauklin, M., Thomasen, H., Westekemper, H., & Steuhl, K.-P. (2011). Amniotic Membran Transplantation in the Human Eye. *Deutsches Ärzteblatt International*, 108(14), 243–249. <https://doi.org/10.3238/arztebl.2011.0243>
- Mickler C, Moya F, Quiros PA. The healing process. Dalam: Naseri A, editor. *Basic principles of ophthalmic surgery*. Edisi ke-4. San Fransisco: American Academy of Ophthalmology; 2019. Hal. 229-46.
- Mittal, R., & Garg, P. (2014). Re: Said et al.: Collagen cross-linking with photoactivated riboflavin (PACK-CXL) for the treatment of advanced infectious keratitis with corneal melting (*Ophthalmology* 2014;121:1377-82). *Ophthalmology*, 121(12), e67–e68. doi:10.1016/j.ophtha.2014.06.043 (<https://doi.org/10.1016/j.ophtha.2014.06.043>)
- Morkin, M. I., & Hamrah, P. (2017). Efficacy of self-retained cryopreserved amniotic membrane for treatment of neuropathic corneal pain. *The Ocular Surface*, 16(1), 132-138. <https://doi.org/10.1016/j.jtos.2017.10.003>
- Nababan, A. R., Suryowati, D. I., & Notopuro, P. B. (2022). Platelet-rich fibrin (PRF) graft and amniotic membrane graft on transforming growth factor- β (TGF- β) and type 1 collagen post conjunctival excision. *Bali Medical Journal*, 11(3), 1744-1750.
- Nishida T, Saika S. Cornea and Sclera: Anatomy and Physiology. Dalam Krachmer JH. *Cornea*. Edisi ke-3. USA. Elsevier; 2011. Hal. 3-20.
- Norina TJ, Raihan S, Bakiah S, Ezanee M, Liza-Sharmini AT, Wan Hazzabah WH. Microbial keratitis: aetiological diagnosis and clinical features in patients admitted to Hospital Universiti Sains Malaysia. *Singapore Med J*. 2008 Jan;49(1):67-71. PMID: 18204773.
- Pakyari, M., Farrokhi, A., Maharlooeei, M. K., & Ghahary, A. (2013). Critical Role of Transforming Growth Factor Beta in Different Phases of Wound Healing. *Advances in Wound Care*, 2(5), 215-224. <https://doi.org/10.1089/wound.2012.0406>

- Pancholi, S. et al. (1998) 'The effects of growth factors and conditioned media on the proliferation of human corneal epithelial cells and keratocytes', *Graefe's Archive for Clinical and Experimental Ophthalmology*, 236(1), pp. 1–8. Available at: <https://doi.org/10.1007/s004170050034>.
- Pflugfelder SC, Beuerman RW, Mircheff A. The lacrimal function unit. Dalam: Beuerman RW, Stern ME, Pflugfelder SC, Mircheff A, editor. Dry eye and ocular surface disorder. New York: Marcel Dekker Inc.; 2004. Hal.11-32.
- Pflugfelder, S. C., & Stern, M. E. (2020). Biological functions of tear film. *Experimental Eye Research*, 197, 1–16. <https://doi.org/10.1016/j.exer.2020.108115>
- Premchander A, Channabasappa S, Balakrishna N, Nargis N. An evaluation of visual outcome of corneal injuries in a tertiary care hospital. *Int J Clin Exp Ophthalmol*. 2019;3(2):20–9.
- Ramirez, H., Patel, S. B., & Pastar, I. (2014). The Role of TGFβ Signaling in Wound Epithelialization. *Advances in Wound Care*, 3(7), 482–491. <https://doi.org/10.1089/wound.2013.0466>
- Remington LA. Clinical anatomy and physiology of the visual system. Edisi ke-3. Oregon: Elsevier; 2012. Hal. 10-37.
- Richoz, O. et al. (2014) 'Antibacterial Efficacy of Accelerated Photoactivated Chromophore for Keratitis–Corneal Collagen Cross-linking (PACK-CXL)', *J Refract Surg*, 30(12), pp. 850–854. Available at: <https://doi.org/10.3928/1081597x-20141118-01>.
- Rosa RH, Bloomer MM, Gombos DS, Kivela TT, Milman T, Potter HA, et al. Ophthalmic pathology and intraocular tumors. Dalam: Cantor LB, Rapuano C, Cioffi G, editor. Basic and clinical science course. San Fransisco: American Academy of Ophthalmology; 2019. Hal. 13-23.
- Said, D. G., Elalfy, M. S., Gatzoufas, Z., El-Zakzouk, E. S., Hassan, M. A., Saif, M. Y., Zaki, A. A., Dua, H. S., & Hafezi, F. (2014). Collagen cross-linking with photoactivated riboflavin (PACK-CXL) for the treatment of advanced infectious keratitis with corneal melting. *Ophthalmology*, 121(7), 1377–1382. <https://doi.org/10.1016/j.ophtha.2014.01.011>
- Saika, S. (2005). TGFβ pathobiology in the eye. *Laboratory Investigation*, 86(2), pp.106–115. doi:10.1038/labinvest.3700375.
- Saghizadeh M, Kramerov AA, Svendsen CN, Ljubimov AV. Concise review: stem cells for corneal wound healing. *Stem Cells*. 2017;35:2105–14.
- Satici, A., Guzey, M., Dogan, Z., & Kilic, A., 2003, "Relationship between Tear TNF-α, TGF-β1, and EGF Levels and Severity of Conjunctival Cicatrization in Patients with Inactive Trachoma", *Ophthalmic. Res.*, 35(6), 301-305.
- Seitz B. Amniotic membran transplantation. An indispensable therapy option for persistent corneal epithelial defects. *Ophthalmologe*. 2007;104:1075–1079.

- Setyowati, R., Goenawan, K., & Prawiroranu, S. (2019). Clinical Efficacy of Fresh Amniotic Membrane Transplantation in Non-Healing Corneal Ulcer. *Ophthalmologica Indonesiana*, 45(2), 84-84.
- Shah K, Maghsoudlou P. Enzyme-linked immunosorbent assay (ELISA): the basics. *Br J Hosp Med (Lond)*. 2016 Jul;77(7):C98-101.
- Sharif, R., Hjortdal, J., Sejersen, H., Frank, G., & Karamichos, D. (2017). Human in vitro Model Reveals the Effects of Collagen Cross-linking on Keratoconus Pathogenesis. *Scientific Reports*, 7(1), 12517. <https://doi.org/10.1038/s41598-017-12598-8>
- Sharma M, Vajpayee, RB. Corneal Ulcer and Management. Philadelphia: Jaypee Brothers Medical Publisher; 2005.
- Soltan Dallal, M. M., Nikkhahi, F., Imeni, S. M., Molaei, S., Hosseini, S. K., Kalafi, Z., Yazdi, S. S., & Agha Mirzaei, H. M. (2021). Amniotic Membrane Transplantation for Persistent Epithelial Defects and Ulceration due to Pseudomonas Keratitis in a Rabbit Model. *Journal of Ophthalmic & Vision Research*, 16(4), 552-557. <https://doi.org/10.18502/jovr.v16i4.9744>
- Song, X., Stachon, T., Wang, J., Langenbucher, A., Seitz, B., & Szentmáry, N. (2015). Research Article Viability, Apoptosis, Proliferation, Activation, and Cytokine Secretion of Human Keratoconus Keratocytes after Cross-Linking.
- Sridhar, M. S. (2018). Anatomy of cornea and ocular surface. *Indian J. Ophthalmol*, 66, 190–194. <https://doi.org/10.4103/ijo.IJO>
- Srinivasan, M., Gonzales, C.A., George, C., Cevallos, V., Mascarenhas, J.M., Asokan, B., Wilkins, J., Smolin, G. and Whitcher, J.P. (1997). Epidemiology and aetiological diagnosis of corneal ulceration in Madurai, south India. *British J. Ophthalmol*, 81(11), pp.965–971. doi:<https://doi.org/10.1136/bjo.81.11.965>
- Suwal, S., Bhandari, D., Thapa, P., Shrestha, M.K. and Amatya, J. (2016). Microbiological profile of corneal ulcer cases diagnosed in a tertiary care ophthalmological institute in Nepal. *BMC Ophthalmology*, 16(1). doi:<https://doi.org/10.1186/s12886-016-0388-9>.
- Tabibian, David, *et al*. “PACK-CXL: Corneal Cross-Linking for Treatment of Infectious Keratitis.” *Journal of Ophthalmic and Vision Research*, vol. 10, no. 1, 2015, p. 77, 10.4103/2008-322x.156122. Accessed 13 June 2019.
- Tandon, A., Tovey, J. C. K., Sharma, A., Gupta, R., & Mohan, R. R. (2012). Role of Transforming Growth Factor Beta in Corneal Function, Biology and Pathology. *Current Molecular Medicine*, 10(6), 565–578. <https://doi.org/10.2174/156652410792231286>
- Terai, K., Call, M. K., Liu, H., Saika, S., Liu, C. Y., Hayashi, Y., Chikama, T. I., Zhang, J., Terai, N., Kao, C. W. C., & Kao, W. W. Y. (2011). Crosstalk between TGF-β and MAPK Signaling during Corneal Wound Healing. *Investigative Ophthalmology and Visual Science*, 52(11), 8208–8215. <https://doi.org/10.1167/iovs.11-8017>

- Ting, Darren Shu Jeng, *et al.* “Amniotic Membran Transplantation for Infectious Keratitis: A Systematic Review and Meta-Analysis.” *Scientific Reports*, vol. 11, no. 1, 21 June 2021, p. 13007, www.nature.com/articles/s41598-021-92366-x, 10.1038/s41598-021-92366-x. Accessed 18 Apr. 2022
- Ting, D. S. J., Henein, C., Said, D. G., & Dua, H. S. (2019). Photoactivated chromophore for infectious keratitis – Corneal cross-linking (PACK-CXL): A systematic review and meta-analysis. *Ocular Surface*, 17(4), 624–634. <https://doi.org/10.1016/j.jtos.2019.08.006>
- Vaidyanathan U, Hopping GC, Liu HY, Somani AN. Persistent corneal epithelial defects: a review article. *Med Hypothesis Discov Innov Ophthalmol*. 2019;8(3):163–76.
- Wilson, S. E. (2020). Bowman’s layer in the cornea– structure and function and regeneration. *Experimental Eye Research*, 108033. doi:10.1016/j.exer.2020.108033
- Wilson, S. E. (2021). TGF beta –1, –2 and –3 in the modulation of fibrosis in the cornea and other organs. *Experimental Eye Research*, 207, 108594. <https://doi.org/10.1016/j.exer.2021.108594>
- Yanoff M, Sassani JW. Basic principles of pathology. Dalam: *Ocular pathology*. Edisi ke-7. Philadelphia: Elsevier; 2015. Hal. 1-15.
- Yu, F.-S.X., Yin, J., Xu, K. and Huang, J. (2010). Growth factors and corneal epithelial wound healing. *Brain Research Bulletin*, 81(2-3), pp.229–235. doi:10.1016/j.brainresbull.2009.08.024.
- Zheng, X., De Paiva, C. S., Rao, K., Li, D., Farley, W. J., Stern, M., & Pflugfelder, S. C. (2010). Evaluation of the transforming growth factor-B activity in normal and dry eye human tears by CCL-185 cell bioassay. *Cornea*, 29(9), 1048–1054. <https://doi.org/10.1097/ico.0b013e3181cf98ff>
- Zhong Y, Zhai Z, Zhou Y, Ye W, Wang K. [Effect of amniotic membrane on expressions of TGF-beta 1, collagens I, III and fibronectin in rabbit corneal healing after photorefractive keratectomy]. *Yan Ke Xue Bao*. 2000 Dec;16(4):239-42, 258. Chinese. PMID: 12579778.