

業績目録（令和4年）

大学院科目名：感覚器未来医療学（特任講座）

(A-a) 英文著書

- 1 **Kinoshita S**, Koizumi N, Sotozono C: Cultivated Corneal Endothelial Cell Transplantation. In Mannis MJ, Holland EJ, eds. Cornea, Fifth Edition, London, Elsevier, pp 1410-1413, 2022.

(B-a) 英文総説

- 1 Aziza Y, Itoi M, Ueta M, Inatomi T, **Kinoshita S**, Sotozono C. Limbal-rigid contact lens wear for the treatment of ocular surface disorders: *Eye Contact Lens*. 2022;48(8):313-317. (IF=2.3)
- 2 Kitazawa K, Sotozono C, **Kinoshita S**. Current advancements in corneal cell-based therapy. *Asia Pac J Ophthalmol (Phila)* 2022;11:335-345. (IF=4.206)

(C-a) 英文原著

- 1 Deguchi H, Kitazawa K, Deinhardt-Emmer S, Kayukawa K, Morikawa E, Yamasaki T, **Kinoshita S**, Sotozono C. The relationship between nasal and conjunctival cultures of antimicrobial-resistant isolates of methicillin-resistant *Staphylococcus aureus*. *Ocul Surf*. 2022;23:24-26 (IF=6.4) (感覚器未来医療学との共同)
- 2 Sasaki L, Hamada Y, Yarimizu D, Suzuki T, Nakamura H, Shimada A, Pham KTN, Shao X, Yamamura K, Inatomi T, Morinaga H, Nishimura EK, Kudo F, Manabe I, Haraguchi S, Sugiura Y, Suematsu M, **Kinoshita S**, Machida M, Nakajima T, Kiyonari H, Okamura H, Yamaguchi Y, Miyake T, Doi M. Intracrine activity involving NAD-dependent circadian steroidogenic activity governs age-associated meibomian gland dysfunction. *Nature Aging* 2022;2(2):105-114 (IF=16.6)

- 3 Aziza Y, Harada K, Ueta M, Fukuoka H, **Kinoshita S**, Sotozono C. Challenges in the management of bilateral eyelid closure in Stevens-Johnson Syndrome. *Am J Ophthalmol Case Rep.* 2022 Mar 5;26:101473. (感覚器未来医療学との共同)
- 4 ○Bell K, Ozaki M, Mori K, Mizoguchi T, Nakano S, Porporato N, Ikeda Y, Chihara E, Inoue K, Manabe S, Hayashi K, Higashide T, Ideta R, Tokumo K, Kiuchi Y, Nakano M, Ueno M, **Kinoshita S**, Tashiro K, Sotozono C, Inatani M, Sugiyama K, Kubota T, Li Z, Wang Z, Khor CC, Aung T. Association of the CYP39A1 G204E Genetic Variant with Increased Risk of Glaucoma and Blindness in Patients with Exfoliation Syndrome. *Ophthalmology.* 2022;129(4):406-413. (IF=13.7)
- 5 Deguchi H, Yamashita T, Hiramoto N, Otsuki Y, Mukai A, Ueno M, Sotozono C, **Kinoshita S**, Hamuro J. Intracellular pH affects mitochondrial homeostasis in cultured human corneal endothelial cells prepared for cell injection therapy. *Sci Rep.* 2022;12(1):6263. (IF=4.6) (感覚器未来医療学との共同)
- 6 Oku H, Mori K, Watanabe M, Aoki T, Wakimasu K, Yamamura K, Yamasaki T, Yoshii K, Sotozono C, **Kinoshita S**. Risk factors for intraocular pressure elevation during the early period post cataract surgery. *Jpn J Ophthalmol.* 2022 Apr 17. (IF=2.4) (感覚器未来医療学との共同)
- 7 Hamuro J, Asada K, Ueno M, Yamashita T, Mukai A, Fujita T, Ito E, Hiramoto N, Toda M, Sotozono C, **Kinoshita S**. Repressed miR-34a Expression Dictates the Cell Fate to Corneal Endothelium Failure. *Invest Ophthalmol Vis Sci.* 2022;63(4):22. (IF=4.4) (感覚器未来医療学との共同)
- 8 Kato H, Yokoi N, Watanabe A, Komuro A, Sonomura Y, Sotozono C, **Kinoshita S**. Clinical Factors for Determining the Severity of Lid Wiper Epitheliopathy in Dry Eye. *Cornea.* 2022;41(5):545-551. (IF=2.8) (感覚器未来医療学との共同)

- 9 Shinomiya K, Mukai A, Ito E, Yoneda K, Ueno M, Sotozono C, **Kinoshita S**, Hamuro J. Potential participation of CTRP6, a complement regulator, in the pathology of age related macular degeneration. *Jpn J Ophthalmol.* 2022;66(3):326-334. (IF=2.4) (感覚器未来医療学との共同)
- 10 Ueno M, Toda M, Numa K, Tanaka H, Imai K, Bush J, Teramukai S, Okumura N, Koizumi N, Yamamoto A, Tanaka M, Sotozono C, Hamuro J, Kinoshita S. Superiority of Mature Differentiated Cultured Human Corneal Endothelial Cell Injection Therapy for Corneal Endothelial Failure. *Am J Ophthalmol.* 2022;237:267-277. (IF=4.2) (感覚器未来医療学との共同)
- 11 Komai S, Inatomi T, Nakamura T, Ueta M, Horiguchi G, Teramukai S, Kimura Y, Kagimura T, Fukushima M, **Kinoshita S**, Sotozono C. Long-term outcome of cultivated oral mucosal epithelial transplantation for fornix reconstruction in chronic cicatrizing diseases. *Br J Ophthalmol.* 2022;106(10):1355-1362. (IF=4/1) (感覚器未来医療学との共同)
- 12 Yamashita T, Asada K, Ueno M, Hiramoto N, Fujita T, Toda M, Sotozono C, **Kinoshita S**, Hamuro J. Cellular Interplay Through Extracellular Vesicle miR-184 Alleviates Corneal Endothelium Degeneration. *Ophthalmol Sci.* 2022;2(4):100212. (感覚器未来医療学との共同)
- 13 Harada K, Fukuoka H, Ban Y, Aziza Y, Horiguchi G, Tanioka H, **Kinoshita S**, Uematsu M, Kitaoka T, Sotozono C. Toxicity of Amphotericin B in Rabbit Corneal Epithelial Cells Stored in Optisol™-GS: Corneal Epithelial Cell Morphology and Migration. *Curr Eye Res.* 2022;47(9):1259-1265. (IF=2.0) (感覚器未来医療学との共同)
- 14 Suzuki T, Kitazawa K, Cho Y, Yoshida M, Okumura T, Sato A, **Kinoshita S**. Alteration in meibum lipid composition and

subjective symptoms due to aging and meibomian gland dysfunction. *Ocul Surf.* 2022;26:310-317 (IF=6.4) (感覚器未来医療学との共同)

- 15 Hamada Y, Sasaki L, Uehara H, Suzuki T, **Kinoshita S**, Otsuka K, Kihara A, Yamaguchi Y, Miyake T, Doi M. Optimising the method for visualising mouse meibomian gland using eyelid whole-mount lipid staining. *Ocul Surf.* 2022;26:268-270. (IF=6.4)
- 16 Toda M, Ueno M, Yamada J, Hiraga A, Asada K, Hamuro J, Sotozono C, **Kinoshita S**. Quiescent innate and adaptive immune responses maintain the long-term integrity of corneal endothelium reconstituted through allogeneic cell injection therapy. *Sci Rep.* 2022;12(1):18072. (IF=4.6) (感覚器未来医療学との共同)
- 17 Kitazawa K, Toda M, Ueno M, Uehara A, Sotozono C, **Kinoshita S**. The Biologic Character of Donor Corneal Endothelial Cells Influences Endothelial Cell Density Post Successful Corneal Transplantation. *Ophthalmol Sci.* 2022;3(2):100239. (感覚器未来医療学との共同)

(D) 学会発表等

I) 招待講演、特別講演、教育講演等

- 1 木下茂 WEB講演 感染症と生体反応、そして雑談 第4回大阪眼疾患セミナー、大阪市、2022年1月15日
- 2 木下茂. 眞鍋禮三先生から学んだ治療的角膜移植そして角膜再生医療へ、眞鍋禮三名誉教授追悼シンポジウム、角膜カンファレンス2022、金沢市、2022年2月11日
- 3 ○Kinoshita S. WEB Presentation. HCEC-Injection Therapy for Corneal Endothelial Failure, Fuchs Endothelial Corneal Dystrophy: AMD of the Cornea? 15-20-Institute, April 21, 2022. Paris.

- 4 木下茂. 角膜診療の過去、現在、そして近未来 -be innovative であり be international であれ-, 第 92 回九州眼科学会、那覇市、2022 年 5 月 28 日
- 5 Kinoshita S. WEB Presentation. New perspectives of corneal endothelial therapy. Regenerative Medicine in Ophthalmology. The Joint Meeting of Faculty of Medicine, Chulalongkorn University and Kyoto Prefectural University of Medicine, June 10, 2022. Thailand.
- 6 木下茂. WEB講演. 角膜診療の過去、現在、そして近未来 - be innovative であり be international であれ , -第36回東京医科歯科大学眼科学教室同門会集談会、2022年7月18日
- 7 木下茂、世界の眼科医療の動向とそこから見える日本の眼科医療の未来、第4回遠江眼科セミナー、浜松市、2022年7月23日
- 8 ○Kinoshita S. WEB Presentation. Future therapeutic modalities for corneal endothelial dysfunction, Cornea section, Academic Ophthalmology Summit 2022, July 30, 2022. Dehli, India.
- 9 木下茂. 培養角膜内皮細胞注入療法、住友ファーマ社内講演会、大阪市、2022年9月1日
- 10 ○Kinoshita S. WEB Presentation. Pathogenesis of Corneal Endothelial Diseases, 2022 World Ophthalmology Congress (WOC2022), September 9, 2022.
- 11 ○Kinoshita S. Toward Corneal Regenerative Medicine, Opening Session, 8th World Cornea Congress, September 28, 2022. Chicago, USA.
- 12 Kinoshita S. WEB Presentation. Cultured Human Corneal Endothelial Cell Injection Therapy, AAO on demand.

- 13 木下茂. ハイブリッド講演、マイボーム腺とその機能について、第10回LIMEの会、東京都、2022年11月11日
- 14 木下茂. 角膜疾患の診療エッセンスドライアイを含めて、第70回神戸眼科臨床懇話会、神戸市、2022年11月19日
- 15 木下茂. 軸性近視と屈折性近視、そして眼疲労、第10回 アジア メディカルコンタクトレンズセミナー、京都市、2022年11月20日
- 16 木下茂. 感染症と生体反応、そして雑談、第275回鹿児島眼科集談会、鹿児島市、2022年11月26日

II) シンポジウム、ワークショップ、パネルディスカッション等

1. ○Kinoshita S. WEB Presentation. Cytomegalovirus Keratitis. Moorfields Cornea Focus 2022, London, June 8, 2022.
2. ○Kinoshita S. WEB Presentation. Corneal endothelium -New perspectives-, SIMASP 2022- 44th International Symposium of Ophthalmology, Sao Paulo, Brasil, June 18, 2022.
3. ○Kinoshita S. WEB Presentation. Biology and future of corneal endothelial transplantation, Endothelial Keratoplasty Symposium, 13th EuCornea, Greece, June 25, 2022.
4. ○Kinoshita S. WEB Presentation. Future treatment in corneal endothelial problems, Endothelial Decompensation, ICC 2022 (Inascrs Cyber Courses), Jakarta, July 3, 2022.
5. ○Kinoshita S. WEB Presentation. Pathogenesis of Corneal Endothelial Diseases, 2022 World Ophthalmology Congress (WOC2022), September 9, 2022.
6. ○Kinoshita S. WEB Presentation. The Most Anticipated Advance in the Coming Decade in Cornea, APAO Symposium, 2022 World Ophthalmology Congress (WOC2022), September 9, 2022.

7. ○Kinoshita S. Hybrid Presentation. Forget Surgery: Rock Inhibitors Will Do, 40th Congress of ESCRS, Milan, Italy, September 16, 2022,
8. ○Kinoshita S. Hybrid Presentation. Corneal Endothelial Cell Engineering, 40th Congress of ESCRS, Milan, Italy, September 17, 2022,
9. ○Kinoshita S. The present status of CHCEC Injection Therapy, In Tissue Engineering, 8th Asia Cornea Society Biennial Scientific Meeting, Bangkok, Thailand, November 24, 2022.
10. ○Kinoshita S. Historical Consideration of Cultivated Oral Mucosal Epithelial Transplantation, In Regenerative Ophthalmology and LSCD, 8th Asia Cornea Society Biennial Scientific Meeting, Bangkok, Thailand, November 24, 2022.
11. ○Kinoshita S. WEB Presentation. Endothelial Regeneration: Current status, Keracon2022, December 10, 2022

E 研究助成（競争的研究助成金）

総額 320万円

公的助成

代表（総額）・小計320万円

- 1 日本学術振興会科学研究費補助金基盤研究（B）木下茂 令和4年度
細胞間代謝干渉（同調、競合）によるヒト角膜内皮機能不全病態増悪回路の制御法開発 助成金額 260万円
- 2 文部科学省科学研究費補助金基盤研究（C）戸田宗豊 令和4年度
長期予後成績に優れる移植用ヒト角膜内皮細胞選別法の確立の研究 助成金額 60万円