

## Editorial

# Advances and Clinical Applications of Anterior Segment Imaging Techniques 2021

**Sang Beom Han** <sup>1</sup>, **Jodhbir S. Mehta** <sup>2,3,4</sup>, **Yu-Chi Liu** <sup>2,3,4</sup>  
and **Karim Mohamed Noriega** <sup>5</sup>

<sup>1</sup>Department of Ophthalmology, Kangwon National University College of Medicine, Kangwon National University Hospital, Chuncheon, Republic of Korea

<sup>2</sup>Singapore National Eye Centre, Singapore

<sup>3</sup>Singapore Eye Research Institute, Singapore

<sup>4</sup>Department of Ophthalmology, Yong Loo Lin School of Medicine, National University of Singapore, Singapore

<sup>5</sup>Department of Ophthalmology, University Hospital, Faculty of Medicine, Autonomous University of Nuevo Leon, Monterrey, Mexico

Correspondence should be addressed to Sang Beom Han; [m.sangbeom.han@gmail.com](mailto:m.sangbeom.han@gmail.com)

Received 1 September 2022; Accepted 1 September 2022; Published 27 January 2023

Copyright © 2023 Sang Beom Han et al. This is an open access article distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

This special issue covers the progress of imaging technologies of anterior segment of the eye, development of novel imaging devices of anterior segment, and the clinical and research application of the imaging modalities of anterior segment. In this annual issue, the authors contributed one review paper 10 research articles regarding the application of the various anterior segment imaging modalities in the diagnosis and treatment of various anterior segment diseases as well as in research of these diseases.

In this annual issue, the guest editorial team contributed a review paper regarding the following topic: application of intraoperative optical coherence tomography technology in anterior segment surgery. In this article, the authors summarized the recent development of intraoperative application of anterior segment optical coherence tomography technologies.

Authors from various countries conducted research on various imaging techniques and devices of anterior segment structures and contributed the results of their studies to this annual issue, as follows: (1) Changes of Lacrimal Puncta by Anterior Segment Optical Coherence Tomography after Topical Combined Antibiotic and Steroid Treatment in Cases of Inflammatory Punctal Stenosis; (2) Comparison of Consecutive Therapeutic Effects of Nanoemulsion and

Emulsion Cyclosporin in Dry Eye Patients after Short-Term Treatment with Topical Fluorometholone; (3) The Efficacy of Clinical Tests to Diagnose Evaporative Dry Eye Disease Related to Meibomian Gland Dysfunction; (4) The Effectiveness of Laser Peripheral Iridotomy in Adolescent Eyes with Ocular Hypertension and Concave Configuration of the Peripheral Iris; (5) Evaluation of Intraocular Lens Tilt and Decentration in Congenital Ectopia Lentis by the Pentacam Scheimpflug System; (6) Specular Microscopic Corneal Endothelial Cell Changes following Uneventful Phacoemulsification in Patients with Gout; (7) Simultaneous Corneal Topography and Epithelial Thickness Mapping from a Single Measurement Using Optical Coherence Tomography; (8) Factors Related to Visual Outcomes after Lens Surgery in Isolated Microspherophakia; (9) Characteristics of Anterior Segment in Congenital Ectopia Lentis: An SS-OCT Study; (10) Characteristics of Optic Neuritis in South Korean Children and Adolescents: A Retrospective Multicenter Study.

Progress of imaging technologies of anterior segment of the eye and development of imaging devices of the anterior segment structures may allow optimal management of anterior segment diseases, such as corneal and conjunctival disorders, cataract, glaucoma, and diseases of the lacrimal system and eyelid.

**Conflicts of Interest**

The guest editors declare no conflicts of interest for the study.

**Acknowledgments**

This paper was supported by Kangwon National University Hospital Grant.

*Sang Beom Han*  
*Jodhbir S. Mehta*  
*Yu-Chi Liu*  
*Karim Mohamed Noriega*