
[Korean Low Vision Society Lecture] Low Vision Smart Device

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Chairperson: Ungsoo S. Kim (Chung-Ang University), Hoon Dong Kim (Soonchunhyang University)

1. Invited Lecture: Development of Smart Device (Relumino Glass) for Low Vision Patients

: Jung Hoon Cho (Samsung Electronics)

2. Journal Review: Recent Clinical Application of Low Vision Smart Device

: Hyuna Kim (Soonchunhyang University)

3. Discussion

Low vision patients underwent severe visual impairments that cannot be corrected by refractive optics or proper ophthalmologic treatment. Low vision interferes with daily activities of the patients. Common conditions that induce low vision include macular degeneration, glaucoma, diabetic retinopathy, and hereditary ocular diseases such as retinitis pigmentosa. Smart devices associated with modern virtual reality (VR) or augmented reality (AR) imaging may offer a promising approach to novel aid of visual rehabilitation for low vision patients. In this lecture section, we would like to provide information about development of smart low vision devices, and to share the recent clinical data of them with literature review.

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