Interdisciplinary medical and engineering symposium on the eye: tissue properties, pathology (IME); The 5th AEARU Advanced Materials Workshop

Chairperson
David CC Lam

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Jimmy SM Lai

Organizer
George PM Cheng
Effects of collagen crosslinking on the physical properties of excised cattle conjunctiva

Bonnie N K Choy

Predictability and stability of laser-assisted subepithelial keratectomy with mitomycin C for the correction of myopia

Lawrence P. Iu
Delayed trans-scleral electrical stimulation enhanced the survival of retinal ganglion cells after optic nerve axotomy

Kin Chiu

Amniotic Membrane Transplantation (AMT) in the Management of a Paediatric Patient with Toxic Epidermal Necrolysis

KC Shih
### Theories and practices of biomechanics in Glaucoma: Measurement Methods

**Leo K K Leung**, David C C Lam  
Department of Mechanical and Aerospace Engineering, The Hong Kong University of Science and Technology, Hong Kong  
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### Corneal biomechanical properties assessment using novel OCT based air jet indentation system

**Li-ke Wang**¹, Jia-ying Zhang¹,²,³,⁴, Match W. L. Ko¹, Lei Tian¹,², Yong-ping Zheng¹  
¹Interdisciplinary Division of Biomedical Engineering, The Hong Kong Polytechnic University, Hung Hom, Hong Kong; ²Department of Ophthalmology, Chinese PLA General Hospital, Beijing; ³Department of Laser Medicine, Chinese PLA General Hospital, Beijing; ⁴Eye Hospital, China Academy of Chinese Medical Sciences, Beijing

### Delayed trans-scleral electrical stimulation enhanced the survival of retinal ganglion cells after optic nerve axotomy

**Kin Chiu**¹,², Jiang Li², Sara MC Leung¹,², Raymond CC Chang², Kwok-Fai So¹,²  
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### Neuroprotective Effect of Transcorneal Electrostimulation in a Gerbil Model of Acute Intraocular Hypertension Injury

**L Fu**, KC Shih, AC Lo, Jimmy SM Lai  
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### In vivo measurement of corneal thinning during air puff indentation

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### Evaluation of monomer vinyl pyrolidone - modified hydrophobic acrylic intraocular lenses

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Neuroprotective Effect of Transcorneal Electrostimulation in a Gerbil Model of Acute Intraocular Hypertension Injury
L Fu

Evaluation of monomer vinyl pyrolidone - modified hydrophobic acrylic intraocular lenses
Kin Chiu
Real time intraocular pressure measurement during phacoemulsification with a MEMS - based fiber optic pressure sensor

Alex LK Ng

Comparison of HKUST IOP monitoring contact lens with Triggerfish Sensimed

Jennifer WH Shum
Session Chairperson
Audience
Audience
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