Elucidation of The Mechanism on Neurotrophic Keratopathy and Development of New Therapeutic Agents

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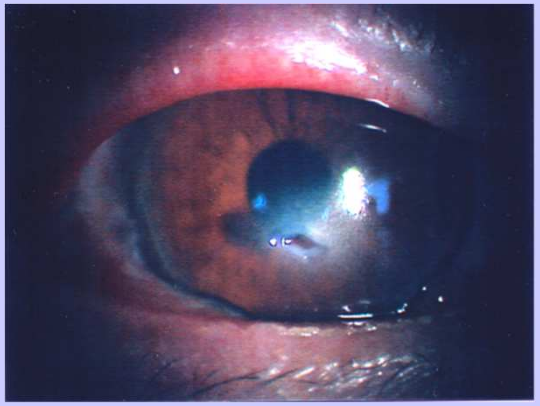
Research Area

1. Identification of neurotransmitters and fibrinolytic factors in patient tears
2. Examination of the action of neurotransmitters on collagen degradation
3. Interaction between neurogenic factorsand fibrinolytic factors
4. Development of therapeutic agents for neuroparalytic keratopathy



Recent Activities

- Pivotal Role of Corneal Fibroblasts in Progression to Corneal Ulcer in Bacterial Keratitis.Int J Mol Sci. 2021 20;22:8979
- The fibrinolytic system in the cornea: A key regulator of corneal wound healing and biological defense. Exp Eye Res. 2021;204:108459
- Inhibition by Epigallocatechin Gallate of IL-1-Induced Urokinase-Type Plasminogen Activator Expression and Collagen Degradation by Corneal Fibroblasts. Invest Ophthalmol Vis Sci. 2019;60:2895-2903.