

# Ocular Surface Center

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*Exclusively Specialized in the Diagnosis and Treatment of Difficult Ocular Surface Disorders-including annoying ocular irritation, non-healing ulcer, and severe surface inflammation, destruction, or scarring.*

## **Director**

***Scheffer C. G. Tseng, M.D., Ph.D.***

### **Education/Experiences:**

1978	MD in Medicine	National Taiwan University, Taipei
1981	PhD in Exp. Pathology	University of California, San Francisco
1984	Residency in Ophthalmology	Johns Hopkins Hospital, Baltimore
1986	Fellowship in Cornea & Ext. Dis.	Massachusetts Eye & Ear Infirmary, Boston
1986	Assistant Professor	Bascom Palmer Eye Institute, University of Miami
1992	Associate Professor	Bascom Palmer Eye Institute, University of Miami
1998-01	Charlotte Breyer Rodgers Chair Professor	Bascom Palmer Eye Institute, University of Miami
2000-04	President	International Ocular Surface Society

## **Facilities & Services**

*Special Tear Functional Tests- To sort out tear disorders caused by aqueous, lipid or mucin deficiency*

- Fluorescein Clearance Test
- Kinetic Analysis of Tear Interference Images
- Tear Evaporation Rate Measurement
- Differential Vital Dye Staining
- Kinetic Tear Break up Analysis

*Special Ocular Surface Cell Test- To sort out Squamous Metaplasia and Limbal Stem Cell Deficiency*

- Impression Cytology
- Demodex Counting

*Dispensing Special Ophthalmic Medications- To augment efficacy of topical therapies*

- Non-preserved steroid drops
- Autologous serum drops
- Special lipid lubricant ointment (to replace missing meibum lipids)
- Vitamin A (retinoic acid) ointment
- Special treatment to kill demodex
- Topical mitomycin treatment

*Ocular Surface Basic & Clinical Research Laboratory)- To explore pathogenesis of ocular surface disorders*

- Supported in part by a grant from National Institute of Health, National Eye Institute
- Provide services or conduct clinical trials for Industries

*Special Surgical Procedures of Stem Cell Transplantation and Amniotic Membrane Transplantation- To achieve successful ocular surface reconstruction for but not limited to:*

- Pinguecula, Pterygium and Recurrent pterygium
- Chemical burns
- Cicatricial Diseases- Stevens Johnson syndrome, Ocular pemphigoid, Atopy, etc
- Aniridia
- Conjunctivochalasis and Superior Limbic Keratoconjunctivitis
- Corneal ulcer or perforation
- Conjunctival scarring