

CURRICULUM VITAE
Shizuka Koh, MD. PhD

Research and professional experience:

2007 - present	Post-doctoral Research Fellow Department of Ophthalmology, University of Rochester
2004 - 2007	Graduate student Department of Ophthalmology, Osaka University Medical School, Osaka, Japan
1999 - 2004	Ophthalmology Resident Department of Ophthalmology Osaka University Medical School, Osaka, Japan

Education

2004 - 2007	Osaka University Medical School, Osaka, Japan Ph.D.
1993 - 1999	Osaka University Medical School, Osaka, Japan M.D.

Awards and Honors

October, 2007:	2007 Dry Eye Research Award.
October, 2006:	2006 Alcon Japan Clinical Award.

Societies:

Association for Research in Vision and Ophthalmology
American Academy of Ophthalmology
International Society of Refractive Surgery
International Society of Darcryology and Dry Eye
European Society of Cataract & Refractive Surgeons
Tear Film & Ocular Surface Society
Japanese Ophthalmology Society
Japan Ophthalmologists Association
Japan Contact Lens Society
Japan Cornea Society
Japan Dry eye Society

Clinical practice and accomplishments

- management of ocular surface diseases
- dry eye and tear film
- clinical application of wavefront analysis

Research interests

- tear film dynamics and dry eye
- wavefront sensing
- refractive surgery
- contact lens

Publications

1. Koh S, Maeda N, Hirohara Y, Mihashi T, Bessho K, Hori Y, Inoue T, Watanabe H, Fujikado T, Tano Y. Serial measurements of higher-order aberrations in patients with dry eye. *Invest Ophthalmol Vis Sci* (in press)
2. Koh S, Maeda N, Hori Y, Inoue T, Watanabe H, Hirohara Y, Mihashi T, Fujikado T, Tano Y. Effects of suppression of blinking on quality of vision in borderline cases of evaporative dry eye. *Cornea* (in press)
3. Koh S, Maeda N, Hamano T, Hirohara Y, Mihashi T, Hori Y, Hosohata J, Fujikado T, Tano Y: Effect of internal lubricating agents of disposable soft contact lenses on higher-order aberrations after blinking. *Eye Contact Lens* (in press)
4. Koh S, Maeda N. Wavefront sensing and dynamics of tear film. *Cornea* 26: S41-S45, 2007
5. Hirohara Y, Mihashi T, Koh S, Ninomiya S, Maeda N, Fujikado T: Optical quality of the eye degraded by time-varying wavefront aberrations with tear film dynamics. *Jpn J Ophthalmol* 51:258-264, 2007
6. Koh S, Hosohata J, Tano Y: Bilateral upper eyelid ectropion associated with blepharospasm. *Br J Ophthalmol* 90: 1437-1438, 2006
7. Koh S, Maeda N, Hirohara Y, Mihashi T, Ninomiya S, Bessho K, Watanabe H, Fujikado T, Tano Y: Serial measurements of higher-order aberrations after blinking in normal subjects. *Invest Ophthalmol Vis Sci* 47:3318-3324, 2006
8. Koh S, Maeda N, Ninomiya S, Watanabe H, Fujikado T, Tano Y, Hirohara Y, Mihashi T: Paradoxical increase of visual impairment with punctal occlusion in a patient with mild dry eye. *J Cataract Refract Surg* 32:689-691, 2006
9. Mihashi T, Hirohara Y, Koh S, Ninomiya S, Maeda N, Fujikado T: Tear film break-up evaluated by real time Hartmann-Shack wavefront sensing. *Jpn J Ophthalmol* 50:85-89, 2006

10. Koh S, Watanabe H, Hosohata J, Hori Y, Hibino S, Nishida K, Maeda N, Tano Y: Diagnosing dry eye using a blue-free barrier filter. *Am J Ophthalmol* 136:513-519, 2003
11. Koh S, Maeda N, Kuroda T, Hori Y, Watanabe H, Fujikado T, Tano Y, Hirohara Y, Mihashi T: Effect of tear film break-up on higher-order aberrations measured with wavefront sensor. *Am J Ophthalmol* 134:115-117, 2002

Paper and Poster Presentation

1. Koh S, Maeda N, Hori Y, Inoue T, Watanabe H, Hirohara Y, Mihashi T, Fujikado T, Tano Y. Serial measurements of higher-order aberrations after blinking in subjects with short tear film break-up time. The Association for Research in Vision and Ophthalmology, Annual Meeting. (Fort Lauderdale. May, 2007)
2. Koh S, Maeda N, Hirohara Y, Mihashi T, Bessho K, Hori Y, Watanabe H, Hosohata J, Fujikado T. Serial measurements of higher-order aberrations in patients with dry eye. American Academy Ophthalmology, Annual Meeting. (Las Vegas. November, 2006)
3. Koh S, Maeda N, Hamano T, Hirohara Y, Mihashi T, Bessho K, Hori Y, Hosohata J, Fujikado T. Effect of wettability of disposable soft contact lenses on higher-order aberrations. American Academy Ophthalmology, Annual Meeting. (Las Vegas. November, 2006)
4. Maeda N, Kosaki R, Bessho K, Koh S, Hori Y, Nishida K, Fujikado T, Hirohara Y, Mihashi T: Residual irregular astigmatism during rigid gas permeable (RGP) contact lens wear in patients with keratoconus. American Academy Ophthalmology, Annual Meeting. (Chicago. October, 2005)
5. Koh S, Maeda N, Ninomiya S, Bessho K, Watanabe H, Fujikado T, Tano Y, Hirohara Y, Mihashi T: Serial measurements of higher-order aberrations after blinking in normal subjects. The Association for Research in Vision and Ophthalmology, Annual Meeting. (Fort Lauderdale. May, 2005)
6. Mihashi T, Hirohara Y, Koh S, Ninomiya S, Howland HC, Maeda N, Fujikado T:

- Principle component analysis of consecutively measured wavefront aberrations. The Association for Research in Vision and Ophthalmology, Annual Meeting. (Fort Lauderdale. May, 2005)
7. Koh S, Watanabe H, Nishida K, Maeda N, Hayashi H, Tano Y: Punctal plug occlusion for the treatment of the epithelial keratitis after keratoplasty. 8th Congress of the International Society of Darcryology and Dry Eye. (Madrid. April, 2005)
 8. Hirohara Y, Mihashi T, Koh S, Ninomiya S, Maeda N, Fujikado T: Optical quality of time-varying wavefront aberrations after blink. 6th International congress on wavefront sensing and optimized refractive corrections. (Athens. February, 2005)
 9. Koh S, Watanabe H, Hori Y, Tano Y: Efficacy of resection of punctual ring combined with thermocautery and suturing puncta for permanent occlusion. 4th International Conference on the Lacrimal Gland, Tear film and Dry eye Syndromes. (Puerto Rico. November, 2004)
 10. Watanabe H, Koh S, Hori Y, Tano Y: Diagnosis of dry eye with a blue-free barrier filter. 4th International Conference on the Lacrimal Gland, Tear film and Dry eye Syndromes. (Puerto Rico. November, 2004)
 11. Watanabe H, Soma T, Koh S, Nishida K, Maeda N, Tano Y: Difference of the epithelial recovery of the conjunctiva between Sjögren and non-Sjögren dry eye by punctal plug. The Association for Research in Vision and Ophthalmology, Annual Meeting. (Fort Lauderdale. May, 2004)
 12. Watanabe H, Koh S, Hori Y, Nishida K, Maeda N, Tano Y: Efficacy of Using a Blue-free Barrier Filter with Fluorescein Staining in Classifying the Degree of Damage of the Conjunctival Epithelium in Dry Eyes. The Association for Research in Vision and Ophthalmology, Annual Meeting. (Fort Lauderdale. May, 2003)
 13. Koh S, Watanabe H, Hibino S, Nishida K, Maeda N, Hosohata J, Tano Y: Evaluation of conjunctival fluorescein staining in dry eye with blue-free filter. 29th International Congress of Ophthalmology. (Sydney. April, 2002)

14. Koh S, Maeda N, Hori Y, Kuroda T, Nishida K, Watanabe H, Inoue Y, Tano Y, Mihashi T: The effect of tear film break-up on higher-order aberrations measured with wavefront sensor. The Association for Research in Vision and Ophthalmology, Annual Meeting. (Fort Lauderdale. May, 2001)
15. Hori Y, Maeda N, Kuroda T, Koh S, Nishida K, Watanabe H, Inoue Y, Tano Y, Mihashi T: Measurement of wavefront aberrations in the patients with dry eye. The Association for Research in Vision and Ophthalmology, Annual Meeting. (Fort Lauderdale. May, 2001)
16. Koh S, Matsuda H, Hori Y, Watanabe H: Electrodesiccation with punctal ring resection and epithelial debridement is very effective for permanent punctal occlusion. 3rd International Conference on the Lacrimal Gland, Tear film and Dry eye Syndromes. (Maui. November, 2000)
17. Hori Y, Danjo Y, Hibino S, Koh S, Watanabe H: Long term effect of punctal occlusion for the treatment of dry eye syndrome. 3rd International Conference on the Lacrimal Gland, Tear film and Dry eye Syndromes. (Maui. November, 2000)