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PROFESSOR

Byers Eye Institute at Stanford
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PROFESSIONAL POSITIONS

Professor, Stanford University, School of Medicine (2012-present)
Associate Professor, Stanford University, School of Medicine (2007-2012)
Assistant Professor, Stanford University, School of Medicine (2000-2006)
Co-Director of Residency Program, Department of Ophthalmology (2012)
Director of Residency Program, Department of Ophthalmology (2003-2012)
Assistant Residency Director, Department of Ophthalmology (1999-2003)
Acting Assistant Professor, Stanford University, School of Medicine (1999-2000)
Consultant, Department of Veterans Affairs, Palo Alto Health Care System (2002-2008)

EDUCATION

University of Texas, Dallas, Texas, Fellowship in Cornea, External Diseases, and Refractive Surgery (1998-1999)

Stanford University Medical Center, Stanford, California, Residency in Ophthalmology (1995-1998)

Kaiser Permanente Hospital, Oakland, California, Internship in Internal Medicine (1994-1995)

University of Minnesota Medical School, Minneapolis, Minnesota (1990-1994)

University of Minnesota, College of Liberal Arts, Minneapolis, Minnesota (1986-1990)

BOARD EXAM CERTIFICATION

Recertified by American Board of Ophthalmology – January 2011 to December 2020

PEER-REVIEWED PUBLICATIONS

1. Zheng LL, Vanchinathan V, Dalal R, Noolandi J, Waters DJ, Hartmann L, Cochran JR, Frank CW, Yu CQ, **Ta CN**. “Biocompatibility of poly(ethylene glycol) and poly(acrylic acid) interpenetrating network hydrogel by intrastromal implantation in rabbit cornea.” *Journal of Biomedical Materials Research Part A*. 2015; 103 (10): 3157-3165.

2. Parke-Houben R, Fox CH, Zheng LL, Waters DJ, Cochran JR, **Ta CN**, Frank CW. "Interpenetrating polymer network hydrogel scaffolds for artificial cornea periphery." *Journal of Materials Science: Materials in medicine*. 2015 Feb; 26 (107).
3. Yu CQ, **Ta CN**, Terry MA, Lin CC. "Successful DMEK after intraoperative graft inversion." *Cornea*. 2015 Jan ; 34(1): 97-8.
4. Nentwich MM, **Ta CN**, Kreutzer TC, Li B, Schwarzbach F, Yactayo-Miranda YM, Kampik A, de Kaspar HM. "Incidence of postoperative endophthalmitis from 1990 to 2009 using povidone-iodine but no intracameral antibiotics at a single academic institution." *J Cataract Refractive Surgery*. 2015; (41) 58-66.
5. Avery RL, Bakri SJ, Blumenkranz MS, Brucker AJ, Cunningham ET Jr, D'Amico DJ, Dugel PU, Flynn HW Jr, Freund KB, Haller JA, Jumper JM, Liebmann JM, McCannel CA, Mieler WF, **Ta CN**, Williams GA. "Intravitreal injection technique and monitoring: updated guidelines of an expert panel." *Retina*. 2014 Dec; 34 Suppl 12:S1-S18.
6. Perry RA, Huie P, He L, Milman T and **Ta CN**. "India ink infiltration in scleral wounds after intravitreal injections." *International Journal of Ophthalmic Pathology*. 2014; 3(4).
7. Yu CQ and **Ta CN**. "Prevention and treatment of injection-related endophthalmitis." *Graefe's Archive for Clinical and Experimental Ophthalmology*. 2014; 252(7): 1027-1031.
8. Yu CQ and **Ta CN**. "Current concepts in the management of infectious endophthalmitis." *Current Ophthalmology Reports*. 2013; 1(4):175-180.
9. Tan XW, Hartman L, Tan KP, Poh R, Myung D, Zheng LL, Waters D, Noolandi J, Beuerman RW, Frank CW, **Ta CN**, Tan DTH, Mehta JS. "In vivo biocompatibility of two PEG/PAA interpenetrating polymer networks as corneal inlays following deep stromal pocket implantation." *Journal of Material Science: Materials in medicine*. 2013; 24: 967-977.
10. Ko MS and **Ta CN**. "Should we be concerned about antibiotic resistance when using intravitreal injections." *Expert Reviews in Ophthalmology*. 2012; 7(5) :393-395.
11. Charalel RA, Engberg K, Noolandi J, Cochran JR, Frank C, **Ta CN**. "Diffusion of protein through the human cornea." *Ophthalmic Research*. 2012; 48(1):50-55.
12. Nentwich MM, Rajab M, **Ta CN**, He L, Grueterich M, Haritoglou C, Gandorfer A, Kampik A, Mino De Kaspar H. "Application of 10% povidone iodine reduces conjunctival bacterial contamination rate in patients undergoing cataract surgery." *Eur J Ophthalmol*. 2012 July; 22 (4) 541-6.

13. Yu C and **Ta CN**. “Prevention of post cataract endophthalmitis: evidence based medicine.” *Current Opinion in Ophthalmology*. 2012 Jan; (1):19-25.
14. Waters D, Engberg K, Parke-Houben R, **Ta CN**, Jackson A, Toney M, Frank C. “Structure and mechanism of strength enhancement in interpenetrating polymer network hydrogels.” *Macromolecules*. 2011; 44(14):5776-5787.
15. Hartmann L, Watanabe K, Zheng LL, Kim C-Y, Beck SE, Huie P, Noolandi J, Cochran JR, **Ta CN**, Frank CW. “Towards the development of an artificial cornea: improved stability of interpenetrating polymer networks.” *Journal of Biomedical Materials Research: Part B Applied Biomaterials*. 2011 July; 98B: 8–17.
16. **Ta CN** and Sun Y. “Corneal decompensation in Axenfeld-Rieger syndrome and associated histopathological findings.” *Minerva Oftalmologica*. 2011 March; 53(1): 29-30.
17. Sáles CS, Johnston LJ, **Ta CN**. “Long-term clinical course of dry eye in patients with chronic graft-versus-host disease referred for eye examination.” *Cornea*. 2011 Feb; 30(2):143-149.
18. Moss JM, Sanislo SR, **Ta CN**. “Antibiotic susceptibility patterns of ocular bacterial flora in patients undergoing intravitreal injections.” *Ophthalmology*. 2010 Nov; 117(11):2141-5.
19. Waters D, Engberg K, Parke-Houben R, Hartmann L, **Ta C**, Toney M, Frank C. “Morphology of photopolymerized end-linked poly (ethylene glycol) hydrogels by small angle x-ray scattering.” *Journal of Macromolecules*. 2010 July; 43, 6861-6870.
20. He L, **Ta CN**, Miño de Kaspar H. “One-day application of topical moxifloxacin 0.5% to select for fluoroquinolone-resistant coagulase-negative Staphylococcus.” *J Cataract Refract Surg*. 2009 Oct; 35(10):1715-8.
21. Miño De Kaspar H, **Ta CN**, Froehlich SJ, Schaller UC, Engelbert M, Klauss V, Kampik A. “Prospective study of risk factors for conjunctival bacterial contamination in patients undergoing intraocular surgery.” *Eur J Ophthalmol*. 2009 Sep-Oct; 19(5):717-22.
22. Moss JM, Sanislo SR, **Ta CN**. “A prospective randomized evaluation of topical gatifloxacin on conjunctival flora in patients undergoing intravitreal injections.” *Ophthalmology*. 2009 Aug; 116(8):1498-501.
23. He L, **Ta CN**, Hu N, Sinnar S, Miño de Kaspar H. “Prospective randomized comparison of 1-day and 3-day application of topical 0.5% moxifloxacin in eliminating preoperative conjunctival bacteria.” *J Ocul Pharmacol Ther*. 2009 Aug; 25(4):373-8.
24. Yactayo-Miranda Y, **Ta CN**, He L, Kreutzer TC, Nentwich MM, Kampik A, Miño de Kaspar H. “A prospective study determining the efficacy of topical 0.5% levofloxacin

- on bacterial flora of patients with chronic blepharoconjunctivitis.” *Graefes Arch Clin Exp Ophthalmol.* 2009 Jul; 24(7):993-8.
25. **Ta CN**, He L, Miño de Kaspar H. “In vitro antibiotic susceptibility of preoperative normal conjunctival bacteria. ” *Eye.* 2009 Mar; 23(3):559-60.
 26. Moss JM, Nguyen D, Liu YI, Singh K, Montague A, Egbert PR, de Kaspar HM, **Ta CN**. “Comparison of one-day vs one-hour application of topical gatifloxacin in eliminating conjunctival bacterial flora.” *Ophthalmology.* 2008 Nov; (115):2013-2016.
 27. **Ta CN**, Chan I, Dhatt HS, Paterno J, Fisher E, Singh K, Montague A, Egbert P, Cockerham G, de Kaspar HM. “Prospective comparison of topical moxifloxacin in eliminating conjunctival bacterial flora following a one-day or one-hour application.” *Journal of Ocular Pharmacology and Therapeutics.* 2008 Aug; 24(4): 427-31.
 28. DeCaro JJ, **Ta CN**, Ho HV, Cabel L, Hu N, Sanislo SR, Blumenkranz MS, Moshfeghi DM, Jack R, de Kaspar HM. “Bacterial contamination of ocular surface and needles in patients undergoing intravitreal injections.” *Retina.* 2008 Jun; 28(6):877-883.
 29. Myung D, Farooqui N, Zheng LL, Koh W, Gupta S, Bakri A, Noolandi J, Cochran JR, Frank CW, **Ta CN**. “Bioactive interpenetrating polymer networks hydrogels that support corneal epithelial wound healing.” *Journal of Biomedical Materials Research.* 2008 May; 15. 90A(1):70-81.
 30. Myung D, Wiseman M, Waters D, Duhamel P-E, Noolandi J, **Ta C**, Frank CW. “Progress in the development of interpenetrating polymer network hydrogels.” *Polymers for Advanced Technologies.*” 2008 Apr; 19(6): 647-657.
 31. Myung D, Duhamel P-E, Cochran JR, Noolandi J, **Ta CN**, Frank CW. “Development of hydrogel-based keratoprostheses: a materials perspective.” *Biotechnol Prog.* 2008 May-Jun; 24(3): 735-741.
 32. De Kaspar HM, **Ta CN**, Engelbert M, Mette M, Thiel M, Kampik A. “Effects of intravitreal corticosteroid in the treatment of staphylococcus aureus-induced experimental endophthalmitis.” *J Retina & Vitreous Diseases.* 2008 Feb; 28(2):326-332.
 33. **Ta CN**, Egbert PR, Singh K, de Kaspar HM. “Prospective comparative evaluation of povidone-iodine (10% for 5 minutes versus 5% for 1 minute) as prophylaxis for ophthalmic surgery.” *J. Cataract and Refract Surg.* 2008 Jan; 34(1): 171-172.
 34. Myung D, Farooqui N, Waters D, Schaber S, Koh W, Carrasco M, Noolandi N, Frank CW, **Ta CN**. “Glucose-permeable interpenetrating polymer network hydrogels for corneal implant applications: a pilot study.” *Current Eye Research.* 2008 Jan; 33(1):29-42.

35. Miño de Kaspar H, Kreutzer TC, Aguirre-Romo I, **Ta CN**, Dudichum J, Bayrhof M, Klauss V, Kampik A. "A prospective randomized study to determine the efficacy of preoperative topical levofloxacin in reducing conjunctival bacterial flora." *Am J Ophthalmol*. 2008 Jan; 145(1): 136-142e2.
36. Myung D, Koh WG, Ko J, Hu Y, Carrasco M, Noolandi J, **Ta CN**, and Frank CW. "Biomimetic strain hardening in interpenetrating polymer network hydrogels." *Polymer*. 2007 ; 48(18), 5376-5387.
37. **Ta CN**, Lin RC, Singh G, Miño de Kaspar H. "Prospective study demonstrating efficacy of combined preoperative three-day application of antibiotics and povidone-iodine irrigation." *Annals of Ophth*. 2007 Oct; 39(4): 313-317.
38. **Ta CN**, Sinnar S, He L, Myung D, Mino de Kaspar H. "Prospective randomized comparison of 1-day versus 3-day application of topical levofloxacin in eliminating conjunctival flora." *Eur J Ophthalmol*. 2007 Sep-Oct; 17(5):689-95.
39. Farooqui N, Myung D, Koh K, Masek M, Dalal R, Carrasco MR, Noolandi N, Frank CW, **Ta CN**. "Histological processing of pH-sensitive H93 hydrogels used in corneal implant applications." *J. Histotechnology*. 2007 Sep; 30(3): 157-163.
40. Sun Y, Jain A, **Ta CN**. "Aspergillus fumigatus keratitis following laser in situ keratomileusis." *J Cataract Refract Surg*. 2007 Oct; 33(10):1806-7.
41. **Ta CN**. "Topical antibiotic prophylaxis in intraocular injections." *Arch Ophthalmol*. 2007 Jul; 125(7):972-4.
42. Myung D, Koh W, Bakri A, Zhang F, Marshall A, Ko J, Noolandi J, Carrasco M, Cochran JR, Frank CW, **Ta CN**. "Design and fabrication of an artificial cornea based on a photolithographically patterned hydrogel construct." *Biomed MicroDevices*. 2007 Dec; 9:911-922.
43. Koss MJ, Eder M, Blumenkranz MS, Klauss V, **Ta CN**, de Kaspar HM. "[The effectiveness of the new fluoroquinolones against the normal bacterial flora of the conjunctiva.]" *Ophthalmologe*. 2007; 104: 21-7.
44. Ou JI, **Ta CN**. "Endophthalmitis prophylaxis." *Ophthalmol Clin North Am*. 2006 Dec; 19(4): 449-56.
45. **Ta CN**, He L, Nguyen E, de Kaspar HM. "Prospective randomized study determining whether a 3-day application of ofloxacin results in the selection of fluoroquinolone-resistant coagulase-negative staphylococcus." *Eur J Ophthalmol*. 2006 May-Jun; 16(3):359-64.

46. Myung D, Derr K, Huie P, Noolandi J, Ta KP, **Ta CN**. "Glucose permeability of human, bovine, and porcine corneas in vitro." *Ophthalmic Res*. 2006 Jan; 38(3):158-163.
47. Sonogo-Krone S, Sanchez-Di Martino D, Ayala-Lugo R, Torres-Alvariza G, **Ta CN**, Barbosa L, de Kaspar HM. "Clinical results of topical fluconazole for the treatment of filamentous fungal keratitis." *Graefes Arch Clin Exp Ophthalmol*. 2006; 244(7):782-7.
48. Eder M, Fariña N, Sanabria RR, **Ta CN**, Koss M, Samudio M, Cuevas C, Gines A, Simancas M, Klauss V, Miño de Kaspar H. "Normal ocular flora in newborns delivered in two hospital centers in Argentina and Paraguay." *Graefes Arch Clin Exp Ophthalmol*. 2005; 243(11):1098-107.
49. de Kaspar HM, Kreutzer TC, **Ta CN**, Kampik A. "Use of rapid antibiotic susceptibility testing in bacterial endophthalmitis." *Retina*. 2005 Apr-May;25(3):386-7.
50. Miño de Kaspar H, Koss MJ, He L, Blumenkranz MS, **Ta CN**. "Antibiotic susceptibility of preoperative normal conjunctival bacteria." *Am J Ophthalmol*. 2005 April; 139(4): 730-3.
51. Mino de Kaspar H, Chang RT, Singh K, Egbert PR, Blumenkranz MS, **Ta CN**. "Prospective randomized comparison of 2 different methods of 5% povidone-iodine applications for anterior segment intraocular surgery." *Arch Ophthalmol*. 2005 Feb; 123(2):161-5.
52. de Kaspar HM, Kreidl KO, Singh K, **Ta CN**. "Comparison of preoperative conjunctival bacterial flora in patients undergoing glaucoma or cataract surgery." *J Glaucoma*. 2004 Dec; 13(6):507-9.
53. **Ta CN**. "Minimizing the risk of endophthalmitis following intravitreal injections." *Retina*. 2004 Oct; 24(5):699-705.
54. Aiello LP, Brucker AJ, Chang S, Cunningham ET Jr, D'Amico DJ, Flynn HW Jr, Grillone LR, Hutcherson S, Liebmann JM, O'Brien TP, Scott IU, Spaide RF, **Ta CN**, Trese MT. "Evolving guidelines for intravitreal injections." *Retina*. 2004 Oct; 24(5 Suppl):S3-19.
55. Mino de Kaspar H, Chang RT, Shriver EM, Singh K, Egbert PR, Blumenkranz MS, **Ta CN**. "Three-day application of topical ofloxacin reduces the contamination rate of microsurgical knives in cataract surgery: A prospective randomized study." *Ophthalmology*. 2004 Jul; 111(7):1352-5.
56. **Ta CN**, Egbert PR, Singh K, Blumenkranz MS, Mino de Kaspar H. "The challenge of determining aqueous contamination rate in anterior segment intraocular surgery." *American Journal of Ophthalmology*. 2004 Apr; 137(4):662-7.

57. Engelbert M, Mino de Kaspar H, Thiel M, Grasbon T, **Ta CN**, Schulze-Schwering M, Klauss V, Kampik A. "Intravitreal vancomycin and amikacin versus intravenous imipenem in the treatment of experimental staphylococcus aureus endophthalmitis." *Graefes Arch Clin Exp Ophthalmol*. 2004 Apr; 242(4):313-20.
58. Laspina F, Samudio M, Cibils D, **Ta CN**, Farina N, Sanabria R, Klauss V, Mino de Kaspar H. "Epidemiological characteristics of microbiological results on patients with infectious corneal ulcers: a 13-year survey in Paraguay." *Graefes Arch Clin Exp Ophthalmol* . 2004 Mar; 242(3):204-9.
59. Engelbert M, Mino de Kaspar H, Mette M, Thiel M, **Ta CN**, Grasbon T, Schulze-Schwering M, Klauss V, Kampik A. "Intravenous treatment of experimental staphylococcus aureus endophthalmitis: imipenem versus the combination of ceftazidime and amikacin." *Graefes Arch Clin Exp Ophthalmol*. 2003 Dec;241(12):1029-36.
60. Mino De Kaspar H, Shriver EM, Nguyen EV, Egbert PR, Singh K, Blumenkranz MS, **Ta CN**. "Risk factors for antibiotic-resistant conjunctival bacterial flora in patients undergoing intraocular surgery." *Graefes Arch Clin Exp Ophthalmol*. 2003 Sep;241(9):730-3.
61. **Ta CN**, Egbert PR, Singh K, Blumenkranz MS, Mino De Kaspar H. "Preoperative ofloxacin: author reply." *Ophthalmology*. 2003; 110(12):2431-2.
62. **Ta CN**, Chang RT, Singh K, Egbert PR, Shriver EM, Blumenkranz MS, Mino de Kaspar H. "Antibiotic resistance patterns of ocular bacterial flora: a prospective study of patients undergoing anterior segment surgery." *Ophthalmology*. 2003 Oct; 110(10):1946-51.
63. **Ta CN**, Shine WE, McCulley JP, Pandya A, Trattler W, Norbury JW. "Effects of minocycline on the ocular flora of patients with acne rosacea or seborrheic blepharitis." *Cornea*. 2003; 22(6):545-8.
64. Braun MM, Wong IG, **Ta CN**. "Nodular scleritis in a patient with pyoderma gangrenosum." *Arch Ophthalmol*. 2002;120(12):1763-5.
65. Shaikh S, **Ta CN**. "Evaluation and treatment of herpes zoster ophthalmicus." *Am Fam Physician*. 2002;66 (9):1723-30.
66. **Ta CN**, Egbert PR, Singh K, Shriver EM, Blumenkranz MS, Miño de Kaspar H. "Prospective randomized comparison of three day versus one hour preoperative ofloxacin prophylaxis for cataract surgery." *Ophthalmology*. 2002; 109(11):2036-40; discussion 2040-1.
67. Giaconi J, Pham R, **Ta CN**. "Bilateral *mycobacteria abscessus* keratitis after laser in situ keratomileusis." *J of Cataract and Refract Surg*. 2002; 28(5):887-90.

68. Miño de Kaspar H, Molnar A, Neubauer AS, Hoepfner AS, **Ta CN**, Grasbon T, Engelbert M, Thiel M, Klauss V, Kampik A. “Rapid direct antibiotic susceptibility testing in endophthalmitis.” *Ophthalmology*. 2002; 109(4):687-93.
69. Mino de Kaspar H, Engelbert M, Thiel M, Grasbon T, **Ta CN**, Klauss V, Kampik A. “Intravenous imipenem prophylaxis in experimental endophthalmitis.” *Graefes Arch Clin Exp Ophthalmol*. 2002; 240(7):557-64.
70. Mino de Kaspar H, Hoepfner AS, Engelbert M, Thiel M, **Ta CN**, Mette M, Schulze-Schwering M, Grasbon T, Sesma-Vea B, Casas JM, Iturralde-Goni R, Klauss V, Kampik A. “Antibiotic resistance pattern and visual outcome in experimentally-induced Staphylococcus epidermidis endophthalmitis in a rabbit model.” *Ophthalmology*. 2001; 108(3):470-8.
71. Shaikh S, **Ta C**, Basham AA, Mansour S. “Leber hereditary optic neuropathy associated with antiretroviral therapy for human immunodeficiency virus infection.” *Am J Ophthalmol*. 2001; 131(1):143-5.
72. **Ta CN**, Bowman RW. “Hyphema caused by a metallic intraocular foreign body during magnetic resonance imaging.” *Am J Ophthalmol*. 2000; 129(4):533-4.
73. Pazour GJ, **Ta CN**, Das A. “Constitutive mutations of *agrobacterium tumefaciens* transcriptional activator *Vir G*.” *J Bacteriol*. 1992; 174:4169-74.
74. Pazour GJ, **Ta CN**, Das A. “Mutants of *agrobacterium tumefaciens* with elevated *Vir* gene expression.” *Proc Natl Acad Sci*. 1991; 88:6941-5.

NON-PEER-REVIEW ARTICLES

- Ta CN. “The Quinolone Antibiotics: Past, Present, and Future.” *Topics in Ocular Antiinfectives* August 2015.
- Ta CN. “The Quinolone Antibiotics: Past, Present, and Future.” *Topics in Ocular Antiinfectives* March 2013.
- Ta CN. “The Changing Epidemiology of Ocular Shingles.” *Topics in Ocular Antiinfectives* February 2011.
- Ta CN. “Pharmacokinetics / Pharmacodynamics of Topical Ocular Antibiotics.” *Topics in Ocular Antiinfectives* 2010.
- Ta CN. “Danger of Oversimplification.” *EyeNet* March 2010.
- Ta CN. “What are the Best Topical Antibiotics?” *Cataract & Refractive Surgery Today* 2007.
- Ta CN. “Improving OR Bacteria Control.” *Review of Ophthalmology* May 2005.
- Ta CN. “Should We Worry about Injection Infection?” *Review of Ophthalmology* Mar 2004.
- Ta CN. “Herpes Simplex Epithelial Keratitis.” *MDvista Journal of Medicine* 2000.
- Ta CN. “Herpes Simplex Stromal Keratitis.” *MDvista Journal of Medicine* 2000.

BOOK CHAPTERS

1. Myung D, Kourtis L, Noolandi J, Cochran J, Ta CN, and Frank CW. "Surface Modification of High-Strength Interpenetrating Network Hydrogels for Biomedical Device Applications." Handbook of Biofunctional Surfaces, Pan Stanford Publishing 2013. Chapter 10 pp 407-446.
2. Paulus YM and Ta CN. "Ocular Antibiotics." Copeland and Afshari Principles and Practice of Cornea, Jaypee Brothers 2013. Ch. 21 pp 238-250.
3. Ta CN. "What are the Best Topical Agents for Prophylaxis?" Cataract Surgery Today, Bryn Mawr Communications LLC, 2009. Ch. 96 pp223-6.
4. Friedman, NJ and Kaiser PK. "The Massachusetts Eye and Ear Infirmary Illustrated Manual of Ophthalmology." Saunders Elsevier, 3rd Edition 2009 photographs credited 3-15, 3-26, 3-27, 4-10, 4-22, 4-23, 4-24, 5-1, 5-23, 5-54, 5-59, 5-77, 7-38, and 12-2.
5. Ta CN, Bowman RW, McCulley JP. "Ocular Bacteriology." In Albert & Jacobiec, Saunders-Elsevier, 2008. Canada. Vol. 1(11): pp101-116.
6. Ou J, Ta CN. "Keratoconus and Pellucid Marginal Degeneration: Optics, Etiology and Clinical Presentations of the Irregular Cornea." In Irregular Astigmatism "Diagnosis and Treatment. Eds: Ming Wang. Slack Publishers, Inc. 2008. Ch 6 pp53-59.
7. Ou J, Ta CN. "Endophthalmitis Prophylaxis." Ed. Mark H. Blecher, M.D. In Ophthalmology Clinics of North America: Cataract Surgery in the New Millennium; Elsevier-Saunders, Philadelphia. December 2006. Vol. 19(4): pp 449-456.
8. Ta CN. "Fibrin Deposition on Intraocular Lenses." In Ophthalmology Review: A Case Study Approach. Eds: Kuldev Singh, William E., M.D. Smiddy, Andrew G. Lee. Thieme Medical Publishers, Inc. Dec 15, 2001: pp 61-3.

ABSTRACT PUBLICATIONS

Ko M, Johnston L, Ta CN. Risk Factors for the Development of Ocular Graft Versus Host Disease after Hematopoietic Cell Transplantation. The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL. May 6, 2012. Poster A215.

Sales CS, Ta CN. Long-Term Follow-Up of Patients With Dry Eye Associated With Chronic Graft-Versus-Host Disease After Hematopoietic Stem Cell Transplantation. American Academy of Ophthalmology Annual Meeting. Fort Lauderdale, FL. May 4, 2010. Poster 1060.

Zheng L, Huie P, Vanchinathan V, Noolandi J, Dalal R, Hartmann L, Cochran JR, Frank CW, Ta CN. Long-Term Biocompatibility of PEG/PAA Hydrogel by Intrastromal Implantation in Rabbit Cornea. American Academy of Ophthalmology Annual Meeting. Fort Lauderdale, FL. May 2, 2010. Poster 965.

Parke-Houben R, Hu Y, Zheng L, Ta CN, Cochran JR, Frank CW. Development of Porous Interpenetrating Network Hydrogels for High Strength Artificial Cornea Periphery American Academy of Ophthalmology Annual Meeting. Fort Lauderdale, FL. May 2, 2010. Poster 976.

Moss JM, Sanislo SR, Ta CN. Antibiotic Susceptibility Patterns of Ocular Bacterial Flora in Patients Undergoing Intravitreal (IVT) Injections. American Academy of Ophthalmology Annual Meeting. San Francisco, CA. October 26, 2009. Poster 376.

Zheng L, Beck SE, Hartmann L, Schlinker AC, Noolandi J, Frank CW, Ta CN, Cochran JR. Surface-Modifying a Hydrogel Designed for Artificial Cornea With Extracellular Matrix Proteins to Promote Epithelialization. The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 4, 2009. Poster 225.

Hartmann L, Beck SE, Zheng L-L, Kim C-Y, Huie P, Noolandi J, Cochran J, Ta CN, Frank CW. Designing an Artificial Cornea - Longterm Stability and *in vivo* Testing. The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 4, 2009. Poster 225.

Charalel RA, Engberg K, Noolandi J, Cochran J, Frank C, Ta CN. Diffusion of Protein Through the Human Cornea. The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 4, 2009. Poster 254.

Vanchinathan V, Huie P, Noolandi J, Waters DJ, Hartmann L, Frank CW, Cochran JR, Blumenkranz MS, Ta CN. Corneal Inlay of Biomimetic Interpenetrating Network Hydrogel in Rabbit. The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 4, 2009. Poster 282.

Myung D, Beck S, Zheng L, Waters D, Noolandi J, Frank CW, Cochran JR, Ta CN. "Sequential Coupling of Epidermal Growth Factor and Collagen to Polymers to Promote Corneal Epithelialization *in vitro*." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 1, 2008. Poster 5729.

Waters D, Myung D, Huie P, Noolandi J, Cochran JR, Ta CN, Frank CW. "Oxygen and Oligosaccharide Diffusion in Interpenetrating Network Hydrogels for Replacement of Corneal Tissue." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 1, 2008. Poster 5720.

Zheng L, Blaha CM, Beck SE, Myung D, Cochran JR, Ta CN. "Morphology and Phenotype Comparison of Primary Rabbit Epithelial Cell Cultures in Serum-Fortified and Serum-Free Media." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, Apr 29, 2008. Poster 3368.

Chan A, Myung D, Waters DJ, Frank CW, Ta CN. "Drug Release of Vancomycin and Tobramycin From a Soft Contact Lens Based System." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, Apr 29, 2008. Poster 3189.

Moss JM, Cabael L, Sanislo SR, Ta CN. "Efficacy of 3-Day Topical Gatifloxacin in Reducing Injection Site Flora in Patients undergoing Intravitreal injections." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, April 27, 2008. Poster 963.

Moss JM, Montague AA, Egbert PR, Singh K, Mino de Kaspar H, Ta CN. "Comparison of One-Day and One-Hour Preoperative Application of Topical Gatifloxacin in Eliminating Conjunctival Bacterial Flora." American Academy of Ophthalmology Annual Meeting. New Orleans, LA. November 12, 2007.

Myung D, Cochran JR, Noolandi J, Ta CN, Frank CW. "Engineering Epidermal Growth Factor for Artificial Cornea Applications" Biomedical Engineering Society. Los Angeles, CA, Sep 28 2007.

Myung D, Cochran JR, Noolandi J, Ta CN, Frank CW. "A Novel, Biomimetic Hydrogel Construct To Repair The Cornea: Molecular Design and Biological response." ACS National Meeting, Boston, MA, August 19-23, 2007.

Moss JM, Liu YI, Nguyen D, Montague A, Egbert P, Singh K, Mino de Kaspar H, Ta CN. "Prospective Comparison of 1-Day vs 1-Hour Pre-Operative Topical Gatifloxacin Prophylaxis for Intraocular Surgeries." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 9, 2007.

Ta CN, Sahm DF. "Antimicrobial Susceptibility Patterns in MRSA vs MSSA Eye Infection: Results from Ocular TRUST." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 8, 2007.

Zheng L, Myung D, Bakri A, Noolandi J, Cochran J, Frank C, Ta CN. "Biological Activity of Collagen Type I to Surfaced-Modified Hydrogels." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 7, 2007.

Myung D, .Zheng L, Bakri A, Marshall A, Duhamel PE, Carrasco M, Noolandi J, Cochran C, Frank CW, Ta CN. "Development of a Novel Keratoprosthesis Based on Photolithographically Patterned, Biomimetic Hydrogels." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 7, 2007.

Liu YI, Moss JM, Nguyen D, Mino de Kaspar H, Ta CN. "Antibiotic Resistance Patterns of Ocular Bacterial Flora." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 6, 2007.

Ta CN, Shahinian L. "Soft Lens Immune Keratitis (SLIK): A Clinical Condition Treatable with Topical Cyclosporine." *Asia Journal of Ophthalmology*. 2007; 9(1):p215.

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Bakri A, Farooqui N, Myung D, Koh WG, Noolandi J, Carrasco M, Frank C, Ta CN. "In Vivo Biocompatibility of Poly (Ethylene Glycol)/Poly (Acrylic Acid) Double Network Corneal Inlays." American Academy of Ophthalmology Annual Meeting. Las Vegas, NV. November 13. 2006.

Chan IHY, Dhath HS, Paterno JM, Fisher E, Montague AA, Egbert PR, Singh K, Mino de Kaspar H, Cockerham GC, Ta CN. "Prospective Comparison of One-Day vs. One-Hour Preoperative Moxifloxacin Prophylaxis for Intraocular Surgeries." American Academy of Ophthalmology Annual Meeting. Las Vegas, NV. November 12. 2006.

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Myung D, Koh W, Farooqui N, Ko J, Noolandi J, Carrasco M, Frank CW, Ta CN. "Development of a Hydrogel Corneal Onlay: Molecular Design and Biological Response." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, May 2006.

Mino De Kaspar H, Aguirre-Romo I, Kreutzer T, Ta CN, Dudichum J, Bayrhof M, Hartman K, Kampik A. "Comparison of Levofloxacin and Iodine Prophylaxis versus Iodine for Intraocular Surgery." 4th International Conference on Ocular Infections. Sapporo, Hokkaido, Japan, October 1-4, 2005.

Mino De Kaspar H, Aguirre-Romo I, Kreutzer T, Ta CN, Dudichum J, Bayrhof M, Hartman K, Kampik A. "Comparison of Levofloxacin and Iodine Prophylaxis versus Iodine Alone for Intraocular Surgery: A Prospective Randomized Study." European Society of Cataract and

Refractive Surgery Conference. Electronic Presentation (www.es CRS.org/events/05Lisbon), Lisbon, Portugal, September 10-14, 2005.

Farooqui N, Myung D, Masek M, Dalal R, Koh W, Gupta S, Noolandi J, Frank C, Ta CN. "Histological Evaluation of Poly (Ehtylene Glycol) Poly (Acrylic Acid)(PEG-PAA) Double Network hydrogel Corneal Implant." The Association for Research in Vision and Ophthalmology. CD-ROM, Fort Lauderdale, May 2005.

Noolandi J, Myung D, Derr K, Huie P, Ta C. "Glucose Permeability of Human, Bovine, and Porcine Corneas In Vitro." The Association for Research in Vision and Ophthalmology. CD-ROM, Fort Lauderdale, May 2005.

Ho H-KV, Hu N, Sanislo SR, Mino de Kaspar H, Ta CN. "Prevalence of Bacterial Contamination of needles Following Intravitreal Injection of Triamcinolone Acetonide." The Association for Research in Vision and Ophthalmology. CD-ROM, Fort Lauderdale, May 2005.

Hu, N, Espinosa L, Sinnar S, Egbert PR, Singh K, Ho H-KV, Ta CN. "Topical 0.5% Moxifloxacin Significantly Reduces Pre-Operative Conjunctival Bacteria." The Association for Research in Vision and Ophthalmology. CD-ROM, Fort Lauderdale, May 2005.

Koh WG, Myung D, Ko J, Noolandi J, Frank CW, Ta CN. "Synthesis and Surface Modification of Double Network Hydrogel From Poly (Ethylene Glycol) and Poly (Acrylic Acid)." The Association for Research in Vision and Ophthalmology. CD-ROM, Fort Lauderdale, May 2005.

Myung D, Koh W, Ko J, Noolandi J, Carrasco M, Smith A, Frank C, Ta CN. "Characterization of Poly (Ehtylene Glycol) Poly (Acrylic Acid) (PEG-PAA) Double Networks Designed for Corneal Implant Applications." The Association for Research in Vision and Ophthalmology. CD-ROM, Fort Lauderdale, May 2005.

He L, Ta CN, Sinnar S, Myung D, Mino de Kaspar H. "One-Day Application of 0.5% Topical Levofloxacin Has Similar Efficacy as a Three-Day Regimen in Eliminnating Bacgteria From the Ocular Surface." The Association for Research in Vision and Ophthalmology. CD-ROM, Fort Lauderdale, May 2005.

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Chang RT, Ta CN, Egbert PR, Singh K, Haw WW, Shriver EM, Espinosa L, Williams DY, Blumenkranz MS, Miño de Kaspar H. "Bacterial Contamination of Paracentesis Blades Used in

Cataract Surgery.” The Association for Research in Vision and Ophthalmology. Poster No. 363, May 2002.

Shriver EM, Ta CN, Egbert PR, Singh K, Chang RT, Blumenkranz MS, Miño de Kaspar H. “Multiresistant Staphylococcus epidermidis on the Conjunctiva Prior to Intraocular Surgery.” The Association for Research in Vision and Ophthalmology. Poster No. 3074, May 2002.

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Ta CN, Manche EE. “Laser in-situ Keratomileusis for the Treatment of Low, Moderate, and High Myopia.” *Invest. Ophthalmol. Vis. Sci.* 1998; 39(4):S747.

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Byrd S, Ta CN, Singh K. “Medical Control of Intraocular Pressure Post Cataract Surgery: A Prospective Randomized Study.” *Invest. Ophthalmol. Vis. Sci.* 1997; 38:S546.

Lin SA, David S, Ta CN, Singh K. “Progressive Visual Field Loss Following Mitomycin Trabeculectomy in Normotensive Patients.” *Invest. Ophthalmol. Vis. Sci.* 1996; 37:S28.

SCIENTIFIC PRESENTATIONS

Ta CN. “Implanted Microelectronic Stimulator Increases Tear Secretion in Rabbits.” The Association for Research in Vision and Ophthalmology. Denver, Colorado, May 5, 2015. Poster

Ta CN. "Electrical Stimulation of the Lacrimal Gland in Rabbits." The Association for Research in Vision and Ophthalmology. Orlando, Florida, May 5, 2014. Poster

Ta CN. "Chondro-ocular graft transfer: An alternative to allograft transplantation?" The Association for Research in Vision and Ophthalmology. Seattle, Washington, May 7, 2013. Poster

Ta CN. "Ocular Aspects of Bullous Disease." 16th Annual International Pemphigus and Pemphigoid Foundation (IPPF) Patient Conference. San Francisco, CA, April 27, 2013.

Ta CN. "Topical, Intracameral, and Intravitreal Agents for Anterior and Posterior Segment Surgery." American Society of Cataract and Refractive Surgery, San Francisco, CA, April 20 2013.

Ta CN. "Unilateral Interstitial Keratitis." Max Fine Cornea Society. University of California Davis, Sacramento, CA, March 16, 2012.

Ta CN. "Update on Management of Herpes Keratitis." Bay Area ASORN Program. Palo Alto Veterans Affairs. Palo Alto, CA, September 10, 2011.

Ta CN. "Tissue Engineering Approaches to Corneal Diseases." Stanford Institute for Neuro-Innovation & Translation Neurosciences(SINTN). Stanford, CA, September 8 and 9, 2011.

Ta CN. "Herpes Simplex and Herpes Zoster." Bay Area Ophthalmology Course, Stanford, CA, July 7, 2011.

Ta CN. "Topical Antiviral Therapy in Cornea and External Disease." Stanford Annual Ophthalmology Day. Stanford, CA, June 25, 2011.

Perry AR, Huie P, Zheng LL, Milman T, Ta CN. "Using India Ink to Determine Bacterial Infiltration of Intravitreal Injections." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 1, 2011. Poster

Zheng LL, Shiuey Y, Waters DJ, Huie P, Manivanh RV, Cochran JR, Frank CW, Ta CN. "Artificial Lamellar Cornea Based on Poly(Ethylene Glycol) and Poly(Acrylic Acid)." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 1, 2011. Poster

Manivanh R, Parke-Houben R, Zheng LL, Huie P, Cochran JR, Frank CW, Ta CN. "Marine Sponge-Based Scaffold for Tissue Integration in Artificial Cornea." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 1, 2011. Poster 328.

Ta CN. "New Topical Antiviral Therapy in Cornea and External Disease." ASCRS and the Cornea Society. San Diego, CA, March 25, 2011.

Ta CN. "Challenging Cases in Infectious and Inflammatory Disease Panel Discussion." ASCRS and the Cornea Society. San Diego, CA, March 25, 2011.

Ta CN. “The Stanford Artificial Cornea: The Why and How.” Eye Institute at Stanford, Palo Alto, CA, January 26, 2011.

Ta CN. “New Antibiotics on the Horizon.” American Academy of Ophthalmology Annual Meeting. Chicago, IL, October, 2010.

Ta CN. “Cornea Edema Following Collagen Cross-linking.” APEX Meeting. Chicago, IL, October 17, 2010.

Ta CN. “Development of Artificial Cornea.” Stanford BioDesign Guest Speaker. Stanford, CA, August 26, 2010.

Ta CN. “Herpes Simplex and Herpes Zoster.” Bay Area Ophthalmology Course, Stanford, CA, July 8, 2010.

Ta CN. “Allergic keratoconjunctivitis.” Department of Pediatrics, Division of Immunology and Allergy. Stanford, CA, March 18, 2010.

Sales CS, Ta CN. “Long-Term Follow-Up of Patients With Dry Eye Associated With Chronic Graft-Versus-Host Disease After Hematopoietic Stem Cell Transplantation.” American Academy of Ophthalmology Annual Meeting. Fort Lauderdale, FL. May 4, 2010. Poster 1060.

Zheng L, Huie P, Vanchinathan V, Noolandi J, Dalal R, Hartmann L, Cochran JR, Frank CW, Ta CN. “Long-Term Biocompatibility of PEG/PAA Hydrogel by Intrastromal Implantation in Rabbit Cornea.” American Academy of Ophthalmology Annual Meeting. Fort Lauderdale, FL. May 2, 2010. Poster 965.

Parke-Houben R, Hu Y, Zheng L, Ta CN, Cochran JR, Frank CW. “Development of Porous Interpenetrating Network Hydrogels for High Strength Artificial Cornea Periphery.” American Academy of Ophthalmology Annual Meeting. Fort Lauderdale, FL, May 2, 2010. Poster 976.

Ta, CN. “Newer Views on Pharmacokinetics of Topical Antiinfectives.” 5th International Conference on Ocular Infections. Palm Beach, FL, February 18-21, 2010.

Ta, CN. “Pharmacokinetics of Antibiotic Eyedrops.” 5th International Conference on Ocular Infections. Palm Beach, FL, February 18-21, 2010.

Ta, CN. “Management of Bacterial and other Conjunctivitis.” 5th International Conference on Ocular Infections. Palm Beach, FL, February 18-21, 2010.

Moss JM, Sanislo SR, Ta CN. “Antibiotic Susceptibility Patterns of Ocular Bacterial Flora in Patients Undergoing Intravitreal (IVT) Injections.” American Academy of Ophthalmology Annual Meeting. San Francisco, CA, October 26, 2009. Poster 376.

Ta CN. "Herpes Simplex and Herpes Zoster." Bay Area Ophthalmology Course. Stanford, CA, July 9, 2009.

Ta CN. "Artificial Cornea." Department of Ophthalmology Annual Research Conference. Stanford, CA, May 15, 2009.

Zheng L, Beck SE, Hartmann L, Schlinker AC, Noolandi J, Frank CW, Ta CN, Cochran JR. "Surface-Modifying a Hydrogel Designed for Artificial Cornea With Extracellular Matrix Proteins to Promote Epithelialization." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 4, 2009. Poster 225.

Hartmann L, Beck SE, Zheng L-L, Kim C-Y, Huie P, Noolandi J, Cochran J, Ta CN, Frank CW. "Designing an Artificial Cornea - Longterm Stability and *in vivo* Testing." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 4, 2009. Poster 225.

Charalel RA, Engberg K, Noolandi J, Cochran J, Frank C, Ta CN. "Diffusion of Protein Through the Human Cornea." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 4, 2009. Poster 254.

Vanchinathan V, Huie P, Noolandi J, Waters DJ, Hartmann L, Frank CW, Cochran JR, Blumenkranz MS, Ta CN. "Corneal Inlay of Biomimetic Interpenetrating Network Hydrogel in Rabbit." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 4, 2009. Poster 282.

Ta CN. "Diagnosis and Management of Corneal Wound Infection." American Society of Cataract and Refractive Surgery Annual Meeting. San Francisco, CA, April 6, 2009.

Ta CN. "Wound Infection." Cornea Day. American Society of Cataract and Refractive Surgery Annual Meeting. San Francisco, CA, April 3, 2009.

Ta, CN. "Artificial Cornea: Material Design and *in vivo* Testing." MRS Spring Meeting. San Francisco, CA, April 2009.

Ta. CN. "Longterm Stability of Artificial Cornea Implants based on Novel Interpenetrating Networks." TERMIS. San Diego, CA, December 2008.

Moss JM, Cabael L, Estevez N, Sanislo SR, Ta CN. "Efficacy of Three-Day Topical Gatifloxacin in Reducing Conjunctival Flora in Patients Undergoing Intravitreal Injections." American Academy of Ophthalmology. Atlanta, GA, Nov 11, 2008.

Ta CN. "Herpes Simplex and Herpes Zoster." Bay Area Ophthalmology Course. Stanford, CA, July 22, 2008.

Myung D, Beck S, Zheng L, Waters D, Noolandi J, Frank CW, Cochran JR, Ta CN. "Sequential Coupling of Epidermal Growth Factor and Collagen to Polymers to Promote Corneal

Epithelialization *in vitro*.” The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 1, 2008.

Waters D, Myung D, Huie P, Noolandi J, Cochran JR, Ta CN, Frank CW. “Oxygen and Oligosaccharide Diffusion in Interpenetrating Network Hydrogels for Replacement of Corneal Tissue.” The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 1, 2008.

Zheng L, Blaha CM, Beck SE, Myung D, Cochran JR, Ta CN. “Morphology and Phenotype Comparison of Primary Rabbit Epithelial Cell Cultures in Serum-Fortified and Serum-Free Media.” The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, Apr 29, 2008.

Chan A, Myung D, Waters DJ, Frank CW, Ta CN. “Drug Release of Vancomycin and Tobramycin From a Soft Contact Lens Based System.” The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, Apr 29, 2008.

Moss JM, Cabaal L, Sanislo SR, Ta CN. “Efficacy of 3-Day Topical Gatifloxacin in Reducing Injection Site Flora in Patients undergoing Intravitreal injections.” The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, April 27, 2008.

Moss JM, Montague AA, Egbert P, Singh K, Mino de Kaspar H. “Comparison of One-Day versus One-Hour Preoperative Application of Topical Gatifloxacin in Eliminating Conjunctival Bacterial Flora.” American Academy of Ophthalmology. New Orleans, LA. November 12, 2007.

Ta CN. “Herpes Simplex and Herpes Zoster.” Bay Area Ophthalmology Course. Stanford, CA, July 13, 2007.

Ta CN. “Current Concepts in Endophthalmitis and Its Prevention.” Stanford Annual Ophthalmology Day. Stanford, CA, June 23, 2007.

Ta CN, Sahm DF. “Antimicrobial Susceptibility Patterns in MRSA vs MSSA Eye Infection: Results from Ocular TRUST.” The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 8, 2007.

Ta CN, Shahinian L. “Soft Lens Immune Keratitis (SLIK): A Clinical Condition Treatable with Topical Cyclosporine.” Asia Association for Research in Vision and Ophthalmology. Singapore, March 5, 2007.

Myung D, Koh, W, Zheng L, Bakri A, Duhamel P, Marshall, A, Ko J, Farooqui N, Noolandi J, Cochran J, Carrasco, Frank CW, Ta CN. “Artificial Cornea Based on Photolithographically Patterned, Biomimetic Hydrogels.” BioX Symposium. Stanford, CA, November 2006.

Ta CN. “Herpes Simplex and Herpes Zoster.” Bay Area Ophthalmology Course. Stanford, CA, July 3, 2006.

Ta CN. "Pythium." Max Fine Cornea Society. San Francisco, CA, May 12, 2006.

Ta CN, Sahm DF, Ingerman A. "Levofloxacin Susceptibility in Multi-Drug-Resistant *S. pneumoniae* Isolates from the Nationwide TRUST Surveillance Study, 2000-2004." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 3, 2006.

Ta CN. "Endophthalmitis Prophylaxis." Ocular Drug and Surgical Therapy Update. Dana Point, CA, February 17, 2006.

Ta CN. "Artificial Cornea." Stanford Matter: Stanford Day in Houston. February 11, 2006.

Ta CN. "Stanford Polymer Sciences." Lions Eye Institute. Nedlands, Australia. January 24, 2006.

Ta CN. "Artificial Cornea." Stanford Bio-X Symposium. Stanford, CA. August 31, 2005.

Ta CN, Sahm DF. "Susceptibility of *Streptococcus Pneumoniae* to Levofloxacin and Pattern of Single-Step Mutations in Topoisomerase IV and DNA Gyrase Over 5 Years." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 2005.

Ta CN. "Cornea Divot." VISTA. Fort Lauderdale, FL, May 1, 2005.

Ta CN. "Endophthalmitis Prophylaxis." American Society of Ophthalmic Registered Nurses, New Orleans, LA, October 24, 2004.

Ta CN. "Minimizing the Risk of Endophthalmitis Following Intravitreal Injections." Wilmer Ocular Infectious Diseases. Baltimore, MD, May 21, 2004.

He L, Ta CN, Nguyen EV, Blumenkranz MS, Miño de Kaspar H. "Three Day Application of Topical Ofloxacin Does Not Induce Fluoroquinolone-Resistant Coagulase-Negative Staphylococci." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, April 2004.

Miño de Kaspar H, Kreutzer TC, Grasbon T, Thiel M, Schaller UC, Mueller AJ, Ta CN, Schebitz-Walter K, Klauß V, Kampik A. "A 12-Year Survey on Endophthalmitis in Germany: Etiology, Incidence, Therapy and Outcome." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, April 2004.

Ta CN, Kossakiewicz M, He L, Blumenkranz MS, Miño de Kaspar H. "Impact of Topical Ofloxacin on the Resistance Rate of Coagulase-Negative Staphylococci to Fluoroquinolones in Patients Undergoing Intraocular Surgery." The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, April 2004.

Kossakiewicz M, Ta CN He L, Klauß V, Blumenkranz MS, Miño de Kaspar H. “Antibiotic Resistant Pattern of Conjunctival Streptococci.” The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, April 2004.

Ta CN. “Proper Procedures of Intravitreal Injections.” Royal Hawaiian Eye Meeting. Kauai, HI, January 2004.

Miño de Kaspar H, Kossakiewicz, M, Egbert PR, Singh K, Egbert He Lingmin, Blumenkranz MS, Ta CN. “Gatifloxacin and Moxifloxacin Outperform Older Fluoroquinolones in Multiresistant Conjunctival Strains.” American Academy of Ophthalmology. Anaheim, CA, November 2003.

Miño de Kaspar H, Singh G, Egbert PR, Haw WW, Nguyen EV, Singh K, Blumenkranz MS, Ta CN. “Ten-Fold Reduction of Conjunctival Bacterial Contamination Rate Using a Combined 3-Day Application of Topical Ofloxacin and Iodine Irrigation in Patients Undergoing Anterior Segment Intraocular Surgery.” The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 2003.

Pilyugina A, Lavoie A, Huie P, Derr K, Smith AJ, Noolandi J, Waymouth RM, Ta CN. “*In Vitro* Epithelialization of a Synthetic Polymer for Generation of Corneal Onlay/keratoprosthesis.” The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 2003.

Kreidl KO, Singh K, Miño de Kaspar H, Ta CN. “Comparison of Preoperative Conjunctival Bacterial Flora in Patients Undergoing Glaucoma or Cataract Surgery.” The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 2003.

Ta CN, Miño de Kaspar H, Chang RT, Shriver EE, Egbert PR, Singh K, Blumenkranz MS. “Antibiotic Susceptibility Pattern of Coagulase-Negative Staphylococci in Patients Undergoing Intraocular Surgery.” The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 2002.

Ta CN, Miño de Kaspar H, Egbert PR, Singh K, McWilliams YZ, Blumenkranz MS. “Preoperative ofloxacin prophylaxis: Three Days of Applications is Better Than One Hour Before Surgery.” American Academy of Ophthalmology. New Orleans, LA, November 2001.

Ta CN, de Kaspar HM, Ebert P, Singh K, Blumenkranz M. “Antibiotic Susceptibility Pattern of Coagulase-Negative Staphylococci in Patients Undergoing Intraocular Surgery.” The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 2001.

Shahinian L, Ta CN. “Soft Lens Immune Keratitis (SLIK): A Newly Defined Clinical Entity Treatable with Topical Cyclosporine.” American Academy of Ophthalmology. Dallas, TX, October 2000.

Ta C, McCulley JP, Sylvany R, Shine WE, Norbury JW. “Effects of Minocycline on the Ocular Flora of Patients with Acne Rosacea and Seborrheic Blepharitis.” Ocular Microbiology and

Immunology Group, American Academy of Ophthalmology. New Orleans, LA, November 1998.

Ta CN, Manche EE. “Laser in-situ Keratomileusis For the Treatment of Low, Moderate, and High Myopia.” The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 1998.

Ta C, Byrd S, Singh K. “The Effect of Transient Hypotony on Final Visual Acuity Following Combined Trabeculectomy with Cataract Surgery.” The Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, May 1998.

RESEARCH INTERESTS

Ocular microbiology

Cornea transplantation

Artificial cornea

Ocular graft-versus-host disease

RESEARCH FUNDING

NIH R01 – 7/1/2007 to 6/30/2012

“Artificial Cornea Based on Photolithographically Patterned, Biomimetic Hydrogels”

Singapore Eye Research Institute (SERI) – 3/1/07 to 2/28/2010

“Development of Artificial Cornea and Corneal Refractive Inlay”

ASCRS Research Grant 2008

“Efficacy of Tisseel in Descemet's stripping endothelial keratoplasty (DSEK)”

Stanford University BioX award 2002

HONORS AND AWARDS

Biodesign Certificate of Appreciation Honoree, Stanford, CA, 2011.

Best Paper Award at the American Academy of Ophthalmology, Atlanta, GA, 2008

American Academy of Ophthalmology Achievement Award 2008

American Academy of Ophthalmology Leadership Development Program 2007-2008

America's Top Ophthalmologist

Best Poster Award at the European Society of Cataract and Refractive Surgery Conference
Lisbon, Portugal, September 2005.

Stanford Leadership Development Program 2005-2006

Office of Technology and Licensing Research Incentive Fund Award

Stanford University BioX grant
Alpha Omega Alpha
Phi Beta Kappa Honor Society

PROFESSIONAL MEMBERSHIPS

American Academy of Ophthalmology
Association of University Professors of Ophthalmology
Association for Research in Vision and Ophthalmology
Peninsula Eye Society
The Cornea Society
Max Fine Society

BOARD OF DIRECTORS

California Academy of Eye Physicians and Surgeons 2008-present

EDITORIAL BOARD MEMBER

Advances in Therapy
Graefes Archives of Clinical and Experimental Ophthalmology
Journal of Clinical and Experimental Ophthalmology

COMMITTEE MEMBER

Ophthalmic News & Education (ONE) by the American Academy of Ophthalmology (2009-2011)
Interviewer of applicants for Stanford School of Medicine (2010-2011)
Residency Selection Committee (1999-2012)
Residency SF Match Auditor (2000-2011)

DATA SAFETY AND MONITORING COMMITTEE (DSMC)

Member – “A Phase 2, randomized, prospective, double-masked, vehicle-controlled study to evaluate the efficacy and safety of Nexagon® in subjects with persistent corneal epithelial defects (PED) after corneal epithelial debridement during diabetic vitrectomy surgery.” (2010-2012).

Chairman – Lux “Episcleral implant for the prevention of allograft rejection after cornea transplantation.” (2007-2010).

JOURNAL REVIEWER

Acta Biomaterialia
Advances in Therapy
American Journal of Ophthalmology
Archives of Ophthalmology
Arthritis & Rheumatology
BioMed Central
BMC Ophthalmology
British Journal of Ophthalmology
Case Reports in Dermatological Medicine
Clinical Microbiology and Infection
Clinical Ophthalmology
Cornea
Current Eye Research
Dove Medical Press
Expert Review of Anti-infective Therapy
Expert Review of Ophthalmology
Eye
Graefes Archives of Clinical and Experimental Ophthalmology
Journal of Cataract and Refractive Surgery
Journal of Ocular Pharmacology and Therapeutics
Journal of Ophthalmology
Journal of Ophthalmology and Therapy
Journal of Refractive Surgery
Ophthalmic Research
Ophthalmic Surgery, Lasers and Imaging
Ophthalmology
Ophthalmology Journal
Ophthalmology and Therapy
Retina

FEATURED IN

Stanford Leading Matters World Tour
Discovery Channel Website – “Artificial Cornea Mimics Real Thing” (10/2/06)
Los Angeles Times
Stanford Report – “Engineers, medical scholars team up to create new technologies to fight disease” (10/22/03)
Stanford Report – “An artificial cornea is in sight, thanks to biomimetic hydrogels” (9/11/06)
American of Academy of Ophthalmology weekly newsletter
Ophthalmology Times
EyeWorld
EyeNet Journal
KGO Radio – Dry Eye Hot Jobs Campaign
KTVU Television
Technology Review of MIT

PATENTS

Interpenetrating Network Hydrogels and their Photochemical Modification #8821583
D. Myung, L. Hartmann, J Noolandi, C. Ta, C. Frank

Interpenetrating Polymer Network Hydrogel Corneal Prosthesis #7909867
D. Myung; C. Ta, C. Frank, W-G. Koh; J. Noolandi

Artificial Cornea #6976997
J. Noolandi, C. Ta, P. Huie, A. Smith, R. Waymouth, M. Blumenkranz

Interpenetrating Polymer Network Hydrogel Contact Lenses #7857447
D. Myung, J. Noolandi, C. Ta, C. Frank

Artificial Corneal Implant #7857849
D. Myung, J. Noolandi, A. Smith, C. Frank, C. Ta, Y. Hu, W-G Koh, M. Carrasco

RESEARCH ADVISOR FOR THE FOLLOWING STUDENTS

Post Doctorate Fellows	Won-Gun Koh	2004-2005
	Stacey Beck	2007-2008
	Laura Hartman	2007-2008
	Hu Yuhua	2008-2009
Graduate Students	David Myung	2003-2007
	Dale Waters	2007- 2011
	Rachel Parke-Houben	2008 - 2011
Medical Students	Robert Chang	2001
	Erin Shriver	2002
	Michael Koss	2003
	Svetlana Pilyugina	2003
	Eddy Nguyen	2004
	Michael Kossakiewicz	2004
	Nabeel Farooqui	2004-2005
	Hoai-Ky Ho	2005
	Amit Bakri	2006
	John deCaro	2006-2007
	Lisa He	2006-2010
	Yueyi Irene Liu	2007
	Ian Chan	2007
	Harpreet Dhatt	2007
	Josemaria Paterno	2007
Jason Moss	2007-2009	

	Miriam Englander	2008
	Kirandeep Kaur	2008
	Resmi Charalel	2008-2010
	Chris Sales	2008-2010
	Myung Ko	2011-2012
Undergraduate Students	Lisa He	2002-2005
	Kristin Derr	2003
	Emily Fisher	2007
	Ariane Tom	2009-2010
	Luo Luo Zheng	2006-2011
	Alicia Perry	2009-2011
	Richard Manivanh	2010-2011