

CHRISTOPHER N. TA, M.D.
PROFESSOR OF OPHTHALMOLOGY
Byers Eye Institute at Stanford
Department of Ophthalmology
2452 Watson Court
Palo Alto, CA 94303

CURRENT PROFESSIONAL APPOINTMENT

Professor, Stanford University, School of Medicine (2012-present)

Previous Professional Appointment

Associate Professor, Stanford University, School of Medicine (2007-2012)

Assistant Professor, Stanford University, School of Medicine (2000-2006)

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 2030

PEER-REVIEWED PUBLICATIONS

1. Lee EB, Al-Moujahed A, Yu MD, **Ta CN**, Lin JH, Mruthyunjaya P. “Corneally displaced conjunctival melanoma: Rare presentations of recurrent melanoma.” *Am J Ophthalmol Case Rep.* 39;102387. Jul 15, 2025
2. Alejandro A, **Ta CN**. “Overview of Mycotic Keratitis.” *Cornea.* 43(9): September 2024.

3. Abdi B, Mofidfar M, Hassanpour F, Kirbas Cilingir E, Kalajahi SK, Milani PH, Ghanbarzadeh M, Fadel D, Barnett M, **Ta CN**, Leblanc RM, Chauhan A, Abbasi F. “Therapeutic Contact Lenses for the Treatment of Corneal and Ocular Surface Diseases: Advances in Extended and Targeted Drug Delivery.” *International Journal of Pharmaceutics*. 638; 10 May 2023.
4. Alejandro A, **Ta CN**. “Observational study of cenegermin for the treatment of limbal stem cell deficiency associated with neurotrophic keratopathy.” *Ther Adv Ophthalmol*. 2022 Nov 4
5. Sugar A, Hussain M, Chamberlain W, Dana R, Kelly DP, **Ta C**, Irvine J, Daluvoy M, Perez V, Olson J, Jhanji V, Walts TA, Stulting RD, Waller E, Jagirdar N. “A Randomized Trial of Topical Fibrinogen-Depleted Human Platelet Lysate Treatment of Dry Eye Secondary to Chronic Graft-versus-Host Disease.” *Ophthalmology Science* 2022;2:100176
6. Lu TJ, **Ta CN**. “Reactivation of Herpes Zoster Keratitis Following Shingrix Vaccine.” *Case Reports in Ophthalmology* 2022;13:104-108
7. Swarup A, **Ta CN**, Wu AY. “Molecular mechanisms and treatments for ocular symblephara.” *Surv Ophthalmol*. 2022;67:19-30
8. Mofidfar M, Abdi B, Ahadian S, Mostafavi E, Desai TA, Abbasi F, Sun Y, Manche EE, **Ta CN**, Flowers CW. “Drug delivery to the anterior segment of the eye: A review of current and future treatment strategies.” *Int J Pharm* 2021 Sep 25. Vol 607.
9. **Ta CN**, Raizman MB, Gross RD, Joshi S, Mallick S, Wang Y, Segal B. “Reply to Comment on: A prospective, randomized trial of povidone-iodine 0.6% and dexamethasone 0.1% ophthalmic suspension for acute bacterial conjunctivitis.” *Am J Ophthalmol*. 2020 Oct;218:354.
10. **Ta CN**, Raizman MB, Gross RD, Joshi S, Mallick S, Wang Y, Segal B. “A prospective, randomized trial of povidone-iodine 0.6% and dexamethasone 0.1% ophthalmic suspension for acute bacterial conjunctivitis.” *Am J Ophthalmol*. 2020 Jul;215:56-65.
11. Sarda SP, De La Cruz M, Flood EM, Vanya M, Hwang DG, **Ta CN**, Narvekar A. “Content validity of a novel patient-reported and observer-reported outcomes assessment to evaluate ocular symptoms associated with infectious conjunctivitis in both adult and pediatric populations.” *Health Qual Life Outcomes*. 2019;17(1):163.
12. Hirabayashi KE, Lin CC, **Ta CN**. “Oral miltefosine for refractory *Acanthamoeba* keratitis.” *American Journal of Ophthalmology Case Reports* 2019;16:100555.
13. Kossler AL, Brinton M, Patel ZM, Dalal R, **Ta CN**, Palanker D. “Chronic Electrical Stimulation for Tear Secretion: Lacrimal vs. anterior ethmoid nerve.” *Ocul Surf*. 2019 Oct;17(4):822-827

14. Brinton M, Kossler AL, Patel ZM, Loudin J, Franke M, **Ta CN**, Palanker D. “Enhanced Tearing by Electrical Stimulation of the Anterior Ethmoid Nerve.” *Invest Ophthalmol Vis Sci.* 2017; 58 (4) : 2341-2348.
15. 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.
16. 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).
17. Zheng, LL, Myung D, Yu CQ, **Ta CN**. “Comparative In vitro Cytotoxicity of Artificial Tears.” *JSM Ophthalmol.* 2015 Jan; 3(1): 1026
18. Yu CQ, **Ta CN**, Terry MA, Lin CC. “Successful DMEK after intraoperative graft inversion. ” *Cornea.* 2015 Jan; 34(1): 97-8.
19. 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.
20. 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.
21. 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).
22. 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.
23. Yu CQ and **Ta CN**. “Current concepts in the management of infectious endophthalmitis.” *Current Ophthalmology Reports.* 2013; 1(4):175-180.
24. 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 interpenetratingpolymer networks as corneal inlays following deep

- stromal pocket implantation.” *Journal of Material Science: Materials in medicine*. 2013; 24: 967-977.
25. 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.
 26. 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.
 27. 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.
 28. Yu C and **Ta CN**. “Prevention of post cataract endophthalmitis: evidence based medicine.” *Current Opinion in Ophthalmology*. 2012 Jan; (1):19-25.
 29. 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.
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 31. **Ta CN** and Sun Y. “Corneal decompensation in Axenfeld-Rieger syndrome and associated histopathological findings.” *Minerva Oftalmologica*. 2011 March; 53(1): 29-30.
 32. 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.
 33. 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.
 34. 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.
 35. 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.

36. 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.
37. 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.
38. 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.
39. 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.
40. **Ta CN**, He L, Miño de Kaspar H. “In vitro antibiotic susceptibility of preoperative normal conjunctival bacteria.” *Eye*. 2009 Mar; 23(3):559-60.
41. 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.
42. **Ta CN**, Chan I, Dhath 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.
43. 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.
44. 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.
45. 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.
46. 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.

47. 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.
48. **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.
49. 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.
50. Miño de Kaspar H, Kreutzer TC, Aguirre-Romo I, **Ta CN**, Dudichum J, Bayrhof M, Klaus 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.
51. 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.
52. **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.
53. **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.
54. Farooqui N, Myung D, Koh K, Masek M, Dalal R, Carrasco MR, Noolandi N, Frank CW, **Ta CN**. "Histological processing of pH-sensitive H93hydrogels used in corneal implant applications." *J. Histotechnology*. 2007 Sep; 30(3): 157-163.
55. Sun Y, Jain A, **Ta CN**. "Aspergillus fumigatus keratitis following laser in situ keratomileusis." *J Cataract Refract Surg*. 2007 Oct; 33(10):1806-7.
56. **Ta CN**. "Topical antibiotic prophylaxis in intraocular injections." *Arch Ophthalmol*. 2007 Jul; 125(7):972-4.
57. 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.

58. 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.
59. Ou JI, **Ta CN**. "Endophthalmitis prophylaxis." *Ophthalmol Clin North Am*. 2006 Dec; 19(4): 449-56.
60. **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.
61. 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.
62. 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.
63. 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.
64. 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.
65. 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.
66. 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.
67. 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.
68. **Ta CN**. "Minimizing the risk of endophthalmitis following intravitreal injections." *Retina*. 2004 Oct; 24(5):699-705.
69. 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.
70. 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.
 71. **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.
 72. 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.
 73. 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.
 74. 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.
 75. 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.
 76. **Ta CN**, Egbert PR, Singh K, Blumenkranz MS, Mino De Kaspar H. "Preoperative ofloxacin: author reply." *Ophthalmology*. 2003; 110(12):2431-2.
 77. **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.
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79. Braun MM, Wong IG, **Ta CN**. “Nodular scleritis in a patient with pyoderma gangrenosum.” *Arch Ophthalmol*. 2002;120(12):1763-5.
80. Shaikh S, **Ta CN**. “Evaluation and treatment of herpes zoster ophthalmicus.” *Am Fam Physician*. 2002;66 (9):1723-30.
81. **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.
82. 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.
83. 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.
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85. 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.
86. 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.
87. **Ta CN**, Bowman RW. “Hyphema caused by a metallic intraocular foreign body during magnetic resonance imaging.” *Am J Ophthalmol*. 2000; 129(4):533-4.
88. Pazour GJ, **Ta CN**, Das A. “Constitutive mutations of *agrobacterium tumefaciens* transcriptional activator *Vir G*.” *J Bacteriol*. 1992; 174:4169-74.
89. 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. Yu CQ, Ta CN. “Seasonal and Perennial Allergic Conjunctivitis.” *Cornea Fundamentals, Diagnosis, and Management*, Elsevier 2020. Ch. 42 pp 407-412.
2. Sayadi J, Ta CN, Myung D. “Anatomy and Physiology of the Cornea and Sensory Nerves.” In *Techniques in Corneal Neurotization*. Eds: Ilya M. Leyngold, Andrea Lora Kossler, and Michael T. Yen. Quality Medical Publishing, Inc. 2020.
3. Ta CN. “Fibrin Deposition on Intraocular Lenses.” In *Ophthalmology Review: A Case Study Approach*. Eds: Kuldev Singh, William E. Smiddy, Andrew G. Lee. Thieme Medical Publishers, Inc. 2018: pp 48-49.
4. Yu CQ, Ta CN. “Seasonal and Perennial Allergic Conjunctivitis.” *Cornea Fundamentals, Diagnosis, and Management*, Elsevier 2017. Ch. 46 pp 526-532.
5. 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.
6. Paulus YM and Ta CN. “Ocular Antibiotics.” *Copeland and Afshari Principles and Practice of Cornea*, Jaypee Brothers 2013. Ch. 21 pp 238-250.
7. Ta CN. “What are the Best Topical Agents for Prophylaxis?” *Cataract Surgery Today*, Bryn Mawr Communications LLC, 2009. Ch. 96 pp223-6.

8. 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.
9. Ta CN, Bowman RW, McCulley JP. "Ocular Bacteriology." In Albert & Jacobiec, Saunders-Elsevier, 2008. Canada. Vol. 1(11): pp101-116.
10. 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.
11. 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.
12. Ta CN. "Fibrin Deposition on Intraocular Lenses." In Ophthalmology Review: A Case Study Approach. Eds: Kuldev Singh, William E. 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.

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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 infection

Ocular surface disease

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
The Cornea Society

BOARD OF TRUSTEES

California Academy of Eye Physicians and Surgeons 2013-2019

EDITORIAL BOARD MEMBER

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

COMMITTEE MEMBER

American Board of Ophthalmology Current Content Revision Advisory Member 2016
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 (1999-2018)
Residency SF Match Auditor (2000-2011)
Faculty Search Committee Chair (2023-2025)

DATA SAFETY AND MONITORING COMMITTEE (DSMC)

Member – “Phase 3 randomized controlled trials to investigate the clinical efficacy and safety of povidone-iodine/dexamethasone ophthalmic suspension in adenoviral and bacterial conjunctivitis.” Enrollment of 1535 patients at 100 study sites (2017 – 2019)
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
American Journal of Ophthalmology Case Reports
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
Eye & Contact Lens
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
International Ophthalmology
International Journal of Ophthalmology
Ophthalmic Research
Ophthalmic Plastic and Reconstructive Surgery
Ophthalmic Surgery, Lasers and Imaging
Ophthalmology
Ophthalmology Journal
Ophthalmology and Therapy
Retina
Retinal Cases & Brief Reports

ACADEMIC SERVICES

American Academy of Ophthalmology has developed Ophthalmic Technology Assessments (OTAs) reviewer 2016

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

Cornea Fellows	Lisa Chen	2016-2017
	Joshua Roe	2017-2018
	Kristin Hirabayashi	2018-2019
	Gabriel Valerio	2019-2020
	Bethlehem Mekonnen	2020-2021
	Kevin Ma	2021-2022
	Alice Shen	2022-2023
	Anh Bui	2023-2024
	Mat Matgolis	2023-2024
	Janice Kim	2024-2025
	Ramy Rashad	2024-2025
	Aneesha Ahluwalia	2025-2026

	Yilin (Eileens) Feng	2025-2026
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