

CHRISTOPHER N. TA, M.D.

PROFESSOR

Byers Eye Institute at Stanford
Department of Ophthalmology
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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. 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.

2. 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.
3. 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.
4. 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.
5. Yu C and **Ta CN**. "Prevention of post cataract endophthalmitis: evidence based medicine." *Current Opinion in Ophthalmology*. 2012 Jan;(1):19-25.
6. 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.
7. 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.
8. **Ta CN** and Sun Y. "Corneal decompensation in Axenfeld-Rieger syndrome and associated histopathological findings." *Minerva Oftalmologica*. 2011. March; 53(1): 29-30.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.

14. 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.
15. 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.
16. Yactayo-Miranda Y, **Ta CN**, He L, Kreutzer TC, Nentwich MM, Kampik A, Mino 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.
17. **Ta CN**, He L, Mino de Kaspar H. "In vitro antibiotic susceptibility of preoperative normal conjunctival bacteria." *Eye*. 2009 Mar; 23(3):559-60.
18. 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.
19. **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.
20. DeCaro JJ, **Ta CN**, Ho HV, Cabaal 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.
21. 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.
22. 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.
23. Myung D, Duhamel P-E, Cochran JR, Noolandi J, **Ta CN**, Frank CW. "Development of hydrogel-based keratoprotheses: a materials perspective." *Biotechnol Prog*. 2008 May-Jun; 24(3): 735-741.
24. 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.

25. **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.
26. 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.
27. 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.
28. 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.
29. **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.
30. **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.
31. 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.
32. Sun Y, Jain A, **Ta CN**. "Aspergillus fumigatus keratitis following laser in situ keratomileusis." *J Cataract Refract Surg.* 2007 Oct; 33(10):1806-7.
33. **Ta CN**. "Topical antibiotic prophylaxis in intraocular injections." *Arch Ophthalmol.* 2007 Jul; 125(7):972-4.
34. 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.
35. 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.

36. Ou JI, **Ta CN**. "Endophthalmitis prophylaxis." *Ophthalmol Clin North Am*. 2006 Dec; 19(4): 449-56.
37. **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.
38. 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.
39. 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.
40. 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.
41. 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.
42. 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.
43. 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.
44. 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.
45. **Ta CN**. "Minimizing the risk of endophthalmitis following intravitreal injections." *Retina*. 2004 Oct; 24(5):699-705.
46. 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.
47. 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

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