

November 2011

CURRICULUM VITAE

NAME: David Shu-Chih Chu, M.D.

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1. EDUCATION

a. Undergraduate

B.A., Bowdoin College 09/1988 – 5/1991
Major in Mathematics and Minor in Chemistry
Honors – Magna cum Laude, James Bowdoin Scholar

b. Graduate and Professional

M.D., New York University School of Medicine 09/1991 – 5/1995

2. POSTDOCTORAL TRAINING

a. Internship and Residencies

Medical Intern, Department of Medicine 07/1995 – 6/1996
St. Vincent's Hospital, New York Medical College

Resident, Department of Ophthalmology 07/1996 – 6/1999
New York Medical College,
Lincoln Hospital, Metropolitan Hospital,
New York Eye and Ear Infirmary,
Our Lady of Mercy Medical Center,
and Westchester Medical Center

b. Fellowships

Clinical Fellow, Ocular Immunology/Uveitis 07/2000 – 6/2001
Massachusetts Eye and Ear Infirmary, Harvard Medical School

3. LICENSURE

a. New Jersey Medical License

b. New York Medical License

c. Massachusetts Medical License

4. CERTIFICATION

Specialty Board

American Board of Ophthalmology, 2002 Expiration date: 2012

5. NARCOTICS CERTIFICATION

a. NJ CDS

b. DEA

6. UNIVERSITY APPOINTMENTS

UMDNJ-New Jersey Medical School 10/2011 – Present
The Institute of Ophthalmology & Visual Science
Clinical Associate Professor

UMDNJ-New Jersey Medical School 07/2009 – 10/2011
The Institute of Ophthalmology & Visual Science
Associate Professor

UMDNJ-New Jersey Medical School 08/2001 – 7/2009
The Institute of Ophthalmology & Visual Science
Assistant Professor

New York Medical College 07/1999 – 6/2000
Department of Ophthalmology, Metropolitan Hospital
Clinical Instructor

7. HOSPITAL APPOINTMENTS

University of Medicine and Dentistry of New Jersey-
University Hospital
Department of Ophthalmology
Attending Physician 08/2001 – Present

East Orange Veterans Affairs Medical Center
Department of Ophthalmology
Attending Physician 09/2001 – Present

Hackensack University Medical Center
Department of Ophthalmology
Attending Physician 03/2002 – Present

Metropolitan Hospital
Department of Ophthalmology, New York Medical College
Attending Physician 07/1999 – 6/2000

8. OTHER PROFESSIONAL POSITIONS AND MAJOR VISITING APPOINTMENTS

Team Physician, New York Jets 2008 – Present

9. AWARDS AND HONORS

Achievement Award – American Academy of Ophthalmology October 2010

“The Best Doctors in America” 2003 – Present

Faculty of the Year Award – Integrated Ophthalmology Residency Program, The Institute of Ophthalmology and Visual Science, University of Medicine and Dentistry of New Jersey-New Jersey Medical School. June 2003 and June 2007

2nd Place Award– Select Free Papers at the Pan American Congress of Ophthalmology. “HIV positive patients with intracorneal precipitates between Descemet’s membrane and endothelium” American Academy of Ophthalmology (AAO) – Pan-American Association of Ophthalmology (PAAO), Joint Meeting. October 24, 1999

10. MEMBERSHIPS ON BOARD OF DIRECTORS/TRUSTEES

Lions Eye Bank of New Jersey and Midwest Eye Banks Medical Director	2004 – Present
Foster Ocular Immunology Society (FOIS) President	2012 – Present
Vice President	2007 – 2011
Secretary	2005 – 2007
International Ocular Immunology Society (IOIS) International Councilor	2012 – Present
Contact Lens Association of Ophthalmologists Director-at-Large	2011 - Present

11. MAJOR TEACHING EXPERIENCE (Noting Institution and Inclusive Dates of Service)

Greater New York Ophthalmology Resident Lecture Series Section Director – Cornea and External Disease	2011 - Present
Faculty, Uveitis Subspecialty Day American Academy of Ophthalmology Annual Meetings	2005 - Present
Physician’s Core Course, New Jersey Medical School	2008 – Present
Ophthalmology Resident Lectures, New Jersey Medical School	2001 – Present
Ophthalmic Knowledge Assessment Program (OKAP) Review – Cornea, NJMS	2002 – Present
Home Study Course – Cornea Section New York Medical College	2002 – Present

12. PRINCIPAL CLINICAL AND HOSPITAL SERVICE RESPONSIBILITIES

University of Medicine and Dentistry of New Jersey New Jersey Medical School The Institute of Ophthalmology and Visual Science Associate Director, Division of Cornea & Refractive Surgery	08/2001 – Present
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13. Editorial Boards

Section Editor, Survey of Ophthalmology “Diagnostic & Surgical Techniques”	10/2001 – Present
Ad Hoc Reviewer Ocular Immunology and Inflammation	2008 – Present
Cornea	2006 – Present
Ophthalmology	2005 – Present
Journal of Pediatric Ophthalmology & Strabismus	2003 – Present

14. MEMBERSHIPS IN PROFESSIONAL SOCIETIES

Member, American Academy of Ophthalmology (AAO)	1996 – Present
Member, Association for Research in Vision and Ophthalmology (ARVO)	2000 – Present

15. MAJOR RESEARCH INTERESTS

My research interests can be categorized into three main areas, ocular infections, immunology and ocular surface disorders. I am interested in understanding the pathophysiology of cornea infection; in particular, contact lens associated microbial keratitis, and its treatments. I am also studying new ways of diagnosing and treating uveitis and scleritis, and their associated condition, including sarcoidosis and juvenile idiopathic arthritis. Corneal transplant rejection is also an area I am actively researching. Ocular surface disorders, such as keratoconjunctivitis sicca and pterygium, are of interest as well and novel use of amniotic membrane for chemical injuries among other conditions is being studied.

16. GRANT HISTORY

Principal Investigator

- i. Eye Institute of New Jersey
Correlation between amount of uptake on gallium scan and biopsy results at University of Medicine and Dentistry of New Jersey-New Jersey Medical School.
- ii. Lux Biosciences, Inc.
LX211 – Voclosporin for non-infectious uveitis.
LX201 – Cyclosporin implant for corneal graft rejection.
- iii. Novartis
An open-label proof-of-concept study to assess the effects of two AIN457 doses (on Day 1 and Day 22) in patients with noninfectious uveitis.
Protocol #AIN457A2208
- iv. Novartis
A multicenter, single sequence, open-label study to assess the tolerability, safety and efficacy of 2 weeks oral AEB071 300 mg twice daily , followed by 6 weeks AEB071 200 mg twice daily in the treatment of patients with macular edema associated with noninfectious intermediate uveitis, posterior uveitis, or panuveitis.
Protocol #AEB071A2211
- v. Alcon
Alcon Dry Eye Study
- vi. Eyegate

17. PRIVATE PRACTICE

Metropolitan Eye Research & Surgery Institute 540 Bergen Blvd., Suite D Palisades Park, NJ 07650	10/2011 – Present
Institute of Ophthalmology and Visual Science Consultants 90 Bergen Street, Suite 6100 P.O. Box 1709 Newark, NJ 07101-1709	8/2001 – Present
The Cornea and Laser Eye Institute Glenpointe Center East 300 Frank W. Burr Blvd. Teaneck, NJ 07666	8/2001 – Present

18. ARTICLES

1. Kolomeyer AM, Ragam, A, Shah K, Jachens AW, Tu Y, **Chu DS**. Mycophenolate mofetil in the treatment of chronic noninfectious, nonnecrotizing scleritis. *Ocul Immun Inflam* (In Press)
2. Shah A, **Chu DS**
3. Hare K, **Chu D**, Bhagat N, Guo S, Corneal vs. sclera incisions: Managing lens luxation in homocystinuria. *J Ped Ophthalmol Strabismus* 2011; (In press).
4. Kolomeyer AM, Bhagat N, **Chu DS**. Haemophilus influenza endophthalmitis after pterygium surgery. *Eye Contact Lens* 2011; September 10 [Epub ahead of print] PMID:21912259.
5. Kolomeyer AM, Roy MS, **Chu DS**. The use of intravitreal ranibizumab for choroidal neovascularization associated with Vogt-Koyanagi-Harada Syndrome. *Case Report Med* 2011; MID:747648.
6. Tannen B, Zarbin M, Bhagat N, Wagner R, **Chu DS**. Corneal Autograft and Allograft in a 10-month old Premature Boy with Acquired Bilateral Corneal Opacities; *Cornea* 2011 Aug; 30(8):905-6.
7. Lari HB, Mirani N, **Chu DS**. Corneal Chromoblastomycosis Caused by *Cladophialophora carrionii* after Cataract Surgery. *J Cataract Refract Surg* 2011 May;37(5):963-6.
8. Hueber W, Patel DD, Dryja T, Wright AM, Koroleva I, Bruin G, Antoni C, Draelos Z, Gold MH; Psoriasis Study Group, Durez P, Tak PP, Gomez-Reino JJ; Rheumatoid Arthritis Study Group, Foster CS, Kim RY, Samson CM, Falk NS, **Chu DS**, Callanan D, Nguyen QD; Uveitis Study Group, Rose K, Haider A, Di Padova F. Effects of AIN457, a fully human antibody to interleukin-17A, on psoriasis, rheumatoid arthritis and uveitis. *Sci Transl Med*. 2010 Oct 6;2(52):52ra72.
9. Khouri AS, Vaccaro A, Zarbin MA, **Chu DS**. Clinical results with the use of a temporary keratoprosthesis in combined penetrating keratoplasty and vitreoretinal surgery. *Eur J Ophthalmol* 2010; 20:885-91.
10. Belliappa S, Hade J, Kim S, Ayres B, **Chu DS**. Surgical Outcomes in Cases of Contact Lens-Related Fusarium Keratitis. *Eye Contact Lens* 2010 July; 36(4):190-4.
11. Xu Y, Hersh P, **Chu DS**. Wavefront Analysis and Scheimpflug Imagery of Anterior Lenticonus. *J Cataract and Refract Surg* 2010 May; 36(5):850-3.
12. Johnson K, **Chu DS**. Evaluation of Subtenon Triamcinolone Injections in the Treatment of Scleritis. *Am J Ophthalmol* 2010 Jan; 149(1):77-81.
13. Mostafavi D, Zhang G, Mendelsohn R, **Chu DS**. Descemet's Membrane Detachment Caused by the Improper Injection of Sodium Hyaluronate. *Ophthalm Surg Lasers Imaging* 2010 March 9:1-3.
14. Mostafavi D, **Chu DS**. Two Cases of Keratoconus Associated With Spontaneous Corneal

- Perforation. *Cornea* 2010 July; 29(7):825-7.
15. Johnson K, Levin F, **Chu DS**. Persistent corneal epithelial defect associated with Erlotinib treatment. *Cornea* 2009 July; 28(6):706-7.
 16. Jachens AJ, **Chu, DS**. Retrospective review of methotrexate therapy in the treatment of chronic, Noninfectious, nonnecrotizing scleritis. *Am J Ophthalmol* 2008; March; 145(3):487-92.
 17. Tannen BL, Ghesani NV, Frohman L, Eichler JD, Maldjian PD, **Chu DS**. Use of whole-body FDG PET-CT to aid in the diagnosis of occult sarcoidosis. *Ocul Immun Inflam* 2008; Jan-Feb; 16(1):25-7.
 18. Gorscak J, Ayres BD, Bhagat N, Hammersmith K, Rapuano C, Cohen E, Burday M, Mirani N, Jungkind D, **Chu DS**. An Outbreak of Fusarium Keratitis Associated with Contact Lens Use in Northeastern United States. *Cornea* 2007; Dec. 26(10):1187-1194.
 19. Bhagat N, N, Nissirios N, Potdevin L, Chung J, Lama P, Zarbin M, Fechtner R, Guo S, **Chu D**, Langer P. Complications in resident-performed phacoemulsification cataract surgery at New Jersey Medical School. *Brit J Ophthalmol* 2007; 91(10):1315-1317. Epub 2007 Apr 12.
 20. Dyavaiah M, Ramani R, **Chu DS**, Ritterband DC, Shah MK, Samsonoff WA, Chaturvedi S, Chaturvedi V. Molecular characterization, biofilm analysis and experimental biofouling study of fusariumisolates from recent cases of fungal keratitis in New York State. *BMC Ophthalmol* 2007; 7:1.
 21. Fusarium Keratitis Investigation Team (**Chu DS, Investigator**). Multistate outbreak of fusarium keratitis associated with use of a contact lens solution. *J Am Med Assoc* 2006; 296(8):953-963.
 22. Rajaraman RT, Kimura Y, Li S, Haines K, **Chu DS**. Retrospective case review of pediatric patients with uveitis treated with infliximab. *Ophthalmol* 2006; 113(2):308-314.
 23. Patel S, **Chu D**, Ayres B, Hersh P. Corneal edema and penetrating keratoplasty after anterior chamber phakic intraocular lens implantation. *J Cataract Refract Surg* 2005; 31:2212-2215.
 24. Wladis E, Kapila R, **Chu D**. Idiopathic CD4+ lymphocytopenia and Sjogren's syndrome. *Arch Ophthalmol* 2005; 123(7):1012.
 25. Foster CS, Tufail F, Waheed NK, **Chu D**, Miserocchi E, Baltatzis S, Vredeveld CM. Efficacy of etanercept in preventing relapse of uveitis controlled by methotrexate. *Arch Ophthalmol* 2003; 121(4):437-40.
 26. Papaliadis GN, **Chu D**, Foster CS. Treatment of ocular inflammatory disorders with daclizumab. *Ophthalmol* 2003; 110(4):786-789.
 27. **Chu DS**, Zaidman GW, Meisler D, Lowder C, Jacobs D, Rapuano C, Green GJ. HIV positive patients with intracorneal precipitates between Descemet's membrane and endothelium. *Ophthalmol* 2001; 108(10):1853-7.
 28. Llinás R, Sugimori M, **Chu D**, Morita M, Blasi J, Herreros J, Jahn R, Marsal J. Transmission at the squid giant synapse was blocked by tetanus toxin by affecting synaptobrevin, a vesicle-bound protein. *J Physiol* 1994; 477(Pt 1):129-133.

29. Brady ST, Sugimori M, Leopold PL, Lin JW, **Chu DS**, Llinás R. Activity-dependent inhibition of neurotransmitter release by brefeldin A. *The Biological Bulletin* 1993; 185:299.

19. BOOKS, MONOGRAPHS AND CHAPTERS

1. **Chu DS**. What Should I Consider for a Patient with a Corneal Transplant which Presents with a Red Eye and Photophobia? (Question 46) In: *Curbside Consultation in Cornea and External Disease: 49 Clinical Questions*. Price FW Jr., (ed). Thorofare, NJ, SLACK Incorporated; 2010; pp: 215:218.
2. O'Brien TP, **Chu DS**, Colby K, Raizman M. Understanding corneal barrier integrity: The cornea, the contact lens & contact lens solutions. *Review of Ophthalmology (suppl)* 2007 Mar; 1-15.
3. Cohen A, **Chu D**, Turbin RE (eds). The Atlas of Ocular and Orbital Trauma. Humana Press, Springer (In press).
4. Shah A, Ekong A, Foster CS, **Chu DS**. Systemic Sclerosis. *Diagnosis and Treatment of Uveitis* 2nd Edition. (In Press)
5. Pritz N, **Chu DS**. Evidence Based Medicine. *Diagnosis and Treatment of Uveitis* 2nd Edition. (In Press)
6. **Chu DS**. What are the Causes of Keratouveitis? *Curbside Consultation in Uveitis*. (In Press)
7. **Chu DS**. How Do You Monitor for Uveitis Children With Juvenile Idiopathic Arthritis? *Curbside Consultation in Pediatric Ophthalmology*. (In Press)

20. ABSTRACTS

1. **Chu DS**, Johnson SJ, Allya UG, Davis MR, Diener MD, Sorg RA, Duh MS. Intraocular Inflammation Uveitis. Health Care Costs for Treated Chronic Noninfectious Uveitis Patients. *2011 Annual Meeting Abstract Planner*. The American Academy of Ophthalmology [abstract] 2011;PA081, p:147.
2. Tu Y, Gonzalez-Gronow M, Pruzon J, **Chu DS**. Ligneous Conjunctivitis in an Adult Patient: A Study of Autoimmune Pathophysiology and Treatment. [poster] The 25th Asia-Pacific Academy of Ophthalmology Congress. Beijing, China. September 16-20, 2010.
3. Tu Y, Mirani N, **Chu DS**. Sessile Papillomatous Carcinoma with Oncocytic Differentiation of the Conjunctiva and Cornea. [poster] The 25th Asia-Pacific Academy of Ophthalmology Congress. Beijing, China. September 16-20, 2010.
4. Tu Y, **Chu DS**. Epidemiology and Therapeutics of Pediatric Uveitis in Northern New Jersey. *Invest Ophthalmol Vis Sci* 2011; 52: E-Abstract 6333.

5. Tu Y, Khouri A, Zarbin M, **Chu DS**. Results with the Use of a Temporary Keratoprosthesis in Combined Penetrating Keratoplasty and Vitreoretinal Surgery. [poster] *Invest Ophthalmol Vis Sci* 2010; E-Abstract 1155.
6. Samson CM, Foster CS, Kim R, Falk N, **Chu DS**, Callanan D, Nguyen Q, Dryja TP. An Open-Label Proof-Of Concept Study to Assess the Efficacy of AIN457 in Patients with Noninfectious Uveitis. Presented: *ARVO, Fort Lauderdale, Florida, May 2010*.
7. **Chu DS**, Beckman RL. Cataract Formation in Patients Treated with Lx211 (Luveniq/Voclosporin Oral Capsules) with Non-Infections Uveitis Affecting the Posterior and Anterior Segments. [poster] *Invest Ophthalmol Vis Sci* 2010; E-Abstract 5811.
8. Eck TW, Chandrasekaran N, Zarbin MA, **Chu DS**, Langer PD, Bhagat N. Ulcer-Associated Endophthalmitis: A Retrospective Review. [poster] *Invest Ophthalmol Vis Sci* 2010; E-Abstract 6044.
9. Chandrasekaran NS, Eck T, **Chu D**, Hersh P, Zarbin M, Bhagat N. Characteristics of Eyes with Infectious Keratitis Related Endophthalmitis with No Light Perception Visual Acuity. [poster] *Invest Ophthalmol Vis Sci* 2010; E-Abstract 6045.
10. Shah VP, Pham, M, Gullapalli V, **Chu DS**. Selective and Nonselective COX Inhibitors are Equally Effective in the Treatment of Non-Infectious Scleritis. [abstract] *Invest Ophthalmol Vis Sci* 2009; 2690/D1099.
11. Kim HJ, **Chu DS**, Frohman L, Mirani N, Turbin RE. Comparison of Histologic Changed in Lacrimal and Salivary Glands to ⁶⁷Ga-Citrate Scintigraphy and T1 Gadolinium Enhanced MRI Findings in Sarcoid Suspects. [abstract] *Invest Ophthalmol Vis Sci* 2009; 4033/A195.
12. Chu SK, **Chu DS**, Zarbin MA, Bhagat N. Retrospective Review of Ruptured Globe Cases with Anterior Segment Intraocular Foreign Bodies. [abstract] *Invest Ophthalmol Vis Sci* 2009; 5328/A279.
13. Shah, RA, Gullapalli, VK, **Chu DS**. Tumor Necrosis Factor-Alpha Inhibitors as an Adjunctive Therapy for Chronic Noninfectious Scleritis. (Poster #439) *Am Acad Ophthalmol*. Atlanta, Georgia, November 10, 2008.
14. Johnson K, Levin F, **Chu D**. Persistent Corneal Epithelial Defect Associated with Erlotinib Treatment. (poster) Presented at the World Ophthalmology Congress, Hong Kong Convention and Exhibition Centre, Hong Kong, China. June 27 – July 3, 2008.
15. Gullapalli VK, **Chu DS**. TNF- α Inhibitors in the Treatment of Non-Infectious Ocular Inflammation. (poster) Presented at the World Ophthalmology Congress, Hong Kong Convention and Exhibition Centre, Hong Kong, China. June 27 – July 3, 2008.
16. Jachens AW, **Chu DS**. Analyzing the Course, Treatment, Outcome and Risk Factors of Acanthamoeba Keratitis Patients. [abstract] *Invest Ophthalmol Vis Sci* 2008; 49: E-Abstract 5524.
17. Vaccaro A, **Chu DS**, Zarbin M. Keratoprosthesis Is a Bridge in Combined Penetrating Keratoplasty and Pars Plana Vitrectomy Surgeries. [abstract] *Invest Ophthalmol Vis Sci* 2008;

- 49: E-Abstract 5704.
18. Elchahal S, Langer P, **Chu DS**. Chronic Follicular Conjunctivitis Associated With Chlamydia Pneumoniae IgG and IgA Seropositivity. [abstract] *Invest Ophthalmol Vis Sci* 2008; 49: E-Abstract 6052.
 19. Gullapalli VK, **Chu DS**. Adalimumab and infliximab in the treatment of non-infectious ocular inflammation. Presented at the 9th International Ocular Inflammations Society (IOIS) Congress, Paris, France, September 2007. Abstract PO3-24-04.
 20. Tannen BL, **Chu DS**, Langer PD, Ghesani NV, Oh C, Zuckier LS, Frohman L, Turbin RE. Correlation of lacrimal gland uptake using gallium scan with lacrimal biopsy results in sarcoidosis suspects. (Poster #90) *33rd Annual North American Neuro-Ophthalmology Society Meeting Program Planner*, Snowbird, UT, February 11-15, 2007; p 218.
 21. Tannen BL, Pruzon JD, **Chu DS**. Corneal hysteresis in patients with herpetic stromal scarring [abstract] *Invest Ophthalmol Vis Sci* 2007; 48: E-Abstract 1857.
 22. Gullapalli VK, **Chu DS**. Efficacy and safety of adalimumab for treatment of ocular inflammatory diseases. [abstract] *Invest Ophthalmol Vis Sci* 2007; 48: E-Abstract 3909.
 23. Hade J, Ayres BD, **Chu DS**. Surgical outcomes in cases of fusarium keratitis. [abstract] *Invest Ophthalmol Vis Sci* 2007; 48:E-Abstract 4694.
 24. Jachens AW, **Chu D**. Retrospective review of mycophenolate mofetil therapy in the treatment of chronic noninfectious scleritis. [abstract] *Invest Ophthalmol Vis Sci* 2007; 48: E-Abstract 5837.
 25. Tannen BL, Nasrin JD, Ghesani V, Turbin RE, Langer PD, Oh C, Zuckier LS, **Chu DS**. Statistical Correlation of Lacrimal Gland Uptake on Gallium Scan With Biopsy Positivity in Patients Suspected of Sarcoidosis. 2006 Joint Meeting of the American Academy of Ophthalmology and the Asia Pacific Academy of Ophthalmology (APAO) in Las Vegas, NV, November 12, 2006, poster PO167.
 26. Jachens AW, **Chu DS**. Retrospective review of Methotrexate therapy in treatment of chronic noninfectious scleritis. [abstract] *Invest Ophthalmol & Vis Sci* 2006; 47:E-Abstract 591.
 27. Tannen BL, Turbin RE, Langer PD, Ghesani NV, Zuckier LS, **Chu DS**. Correlation between gallium scintigraphy uptake and lacrimal gland biopsy in patients suspected of sarcoidosis. [abstract] *Invest Ophthalmol & Vis Sci* 2006; 47:E-abstract 586.
 28. Nissirios NJ, Chung J, Grigorian R, Zarbin M, Guo S, **Chu D**, Bhagat N. Intra-operative and post-operative complications in resident-performed cataract surgery. [abstract] *Invest Ophthalmol Vis Sci* 2006; 47:E-Abstract 656.
 29. **Chu D**, Agriantonis DJ, Roy MS. Electroretinogram changes associated with Vogt-Koyanagi-Harada disease. [abstract] *Invest Ophthalmol Vis Sci* 2005; 46:E-Abstract 5124.
 30. Pruzon J, Gonzalez-Gronow M, Mohtaseb H, **Chu D**. Ligneous conjunctivitis in an adult patient: a study of molecular pathophysiology and treatment options. [abstract] *Invest*

Ophthalmol Vis Sci 2005; 46:E-Abstract 2678.

31. Agriatonis DJ, **Chu D**. Efficacy and safety of pterygium excision with mini-conjunctival graft combined with amniotic membrane graft. [abstract] *Invest Ophthalmol Vis Sci* 2005; 46:E-Abstract 957.
32. **Chu D**, Kimura Y, Rajaraman RT, Haines k, Li S. Retrospective Case Review of Pediatric Patients with Uveitis Treated with Infliximab. 2004 Annual Meeting of the American Academy of Ophthalmology, New Orleans, LA, Poster #P0078.
33. Bronner G, Forfonova T, **Chu DS**, Bhagat. OCT Characteristics of Macular Edema in Patients with Uveitis. [abstract] *Invest Ophthalmol Vis Sci* 2004; 45:E-Abstract 2707.
34. **Chu D**, Ayres BD, LaPerle K, Hersh P. Inflammatory response at the corneal flap-stromal interface after mechanical and chemical injuries in white New Zealand rabbit corneas. [abstract] *Invest Ophthalmol Vis Sci* 2004; 45:E-Abstract 129.
35. **Chu D**, Reed M. Pterygium excision with mini-conjunctival graft: A new surgical approach. [abstract] *Invest Ophthalmol Vis Sci* 2003; 44:E-Abstract 1330.
36. Klein S, Thaker RS, Bhagat N, **Chu D**. Ocular coherence tomography of dense corneal opacities. [abstract] *Invest Ophthalmol Vis Sci* 2003; 44:E-Abstract 3665.
37. Waheed NK, Tufail F, **Chu D**, Misericchi E, Foster C. A double-blind randomized controlled trial to assess the efficacy of enbrel versus placebo in preventing relapses of chronic or recurrent uveitis [abstract] *Invest Ophthalmol Vis Sci* 2002; 43:E-Abstract 4285.
38. Razzaque MS, **Chu DS**, Foster CS, Ahmed AR. "Conjunctival expression of collagens and collagen-binding heat shock protein 47 in ocular cicatricial pemphigoid." *Invest Ophthalmol Vis Sci (Suppl)* 2001; 42(4):S521.
39. **Chu DS**, Razzaque MS, Ahmed AR, Foster CS. "Localization of collagen IV, SPARC and tenascin in conjunctiva in ocular cicatricial pemphigoid." *Invest Ophthalmol Vis Sci (Suppl)* 2001; 42(4):S467.

21. REVIEWS

1. Gullapalli V, **Chu D**. Use of Tumor Necrosis Factor- α Inhibitors in Treatment of Noninfectious Autoimmune Uveitis. *Contemp Ophthalmol* 2008; May; 7(10):1-6. (Review)
2. Elchahal S, Kavosh ER, **Chu DS**. Ocular manifestations of blistering diseases. *Immunol and Allerg Clin North Am* 2008; 28:119-136. (Review)
3. Perez VL, Papaliadis GN, **Chu D**, Anzaar F, Christen W, Foster C. Elevated levels of interleukin 6 in the vitreous fluid of patients with pars planitis and posterior uveitis: the Massachusetts Eye and Ear experience and review of previous studies. *Ocul Immunol Inflamm* 2004; 12(3):193-201. (Review)
4. Perez VL, Chavala SH, Ahmed M, **Chu D**, Zafirakis P, Baltatzis S, Ocampo V, Foster CS.

- Ocular manifestations and concepts of systemic vasculitides. *Surv Ophthalmol* 2004; 49: 399-418. (Review)
5. Reed MD, **Chu DS**. Immunomodulatory therapy for anterior segment ocular inflammation. *Current Opinion in Allergy & Clinical Immunology* 2002; 2(5): 429-33. (Review)
 6. **Chu DS**, Foster CS. Sympathetic ophthalmia. *International Ophthalmology Clinic* 2002; 42(3):179-85. (Review)

22. INVITED SPEAKER

a. International

Chu DS, Johnson SJ, Allya UG, Davis MR, Diener MD, Sorg RA, Duh MS. Intraocular Inflammation Uveitis. Health Care Costs for Treated Chronic Noninfectious Uveitis Patients. Original Paper for Ocular Immunology Uveitis Session, Annual Meeting The American Academy of Ophthalmology, Orlando, Florida, October 2011

Chu DS, Current Concepts in the Treatment of Pediatric Uveitis, Moderator, International Symposium of Ocular Pharmacology and Therapeutics, Macao, December 2010

Chu, DS, Posterior Uveitis, Panel Discussant, International Symposium of Ocular Pharmacology and Therapeutics, Macao, December 2010

Chu, DS. “Nosology and Clinical Characteristics of Scleritis and Episcleritis: The Basics.” The American Academy of Ophthalmology Uveitis Subspecialty Day. American Academy of Ophthalmology. Chicago, Illinois, November 2010.

Kim HJ, **Chu D**, Frohman L, Mirani N, Turbin RE. Correlation of histologic changes in lacrimal and salivary glands to gallium and MRI findings. International Ocular Inflammation Society Congress, Prague, Czech Republic. May 29 – June 3, 2009.

Chu, DS. “Nosology and Clinical Characteristics of Scleritis and Episcleritis: The Basics.” The American Academy of Ophthalmology Uveitis Subspecialty Day. American Academy of Ophthalmology. Atlanta, Georgia, November 2008.

Chu, DS. The Ophthalmologist’s Guide to Contact Lens Care and Contact Lens Related Microbial Keratitis. World Ophthalmology Congress, Hong Kong Convention and Exhibition Centre, Hong Kong, China. June 27 – July 3, 2008.

Chu, DS. Outbreak of Contact Lens related Fusarium Keratitis in 2006: A Lesson in Microbial Keratitis and Contact Lens Care. World Ophthalmology Congress, Hong Kong Convention and Exhibition Centre, Hong Kong, China. June 27 – July 3, 2008.

Chu, DS. Outbreak of Contact Lens related Fusarium Keratitis in 2006: A Lesson in Microbial Keratitis and Contact Lens Care. 2008 South Eastern Congress of Optometry International Meeting, Atlanta, Georgia, Feb 27-Mar 2, 2008.

Chu, DS. Outbreak of Contact Lens Associated Fusarium Keratitis in USA. Media Seminar, Tokyo Japan. July 5, 2007.

Tannen BL, Turbin RE, Langer PD, Ghesani NV, Zuckier LS, **Chu DS.** Correlation between gallium scintigraphy uptake and lacrimal gland biopsy in patients suspected of sarcoidosis. Presented at the North American Neuro-Ophthalmology Society Meeting, Snowbird, UT, February 2007.

Tannen BL, **Chu DS.** Use of PET-CT to aid in the diagnosis of suspected occult sarcoidosis. Presented at the Sociedad Panamericana de Enfermedades Inflammatorias Oculares (SPEIO), American Academy of Ophthalmology, Chicago, IL, 2005.

Chu, DS. “Nosology and Clinical Characteristics of Scleritis and Episcleritis: The Basics.” The American Academy of Ophthalmology Uveitis Subspecialty Day. American Academy of Ophthalmology. Chicago, Illinois October 2005.

Tannen BL, **Chu DS.** Bilateral uveitis and choroiditis associated with positive lyme, syphilis, and Wegener’s serology. Presented at the Tenth Annual Foster Ocular Immunology Society Meeting, Ft. Lauderdale, FL 2005.

Perez VL, **Chu DS,** Foster S. Levels of tumor necrosis factor- α in the vitreous of patients with uveitis. Presented at the American Academy of Ophthalmology Annual Meeting in New Orleans, LA, November 2001.

Chu DS, Zaidman GW, Meisler D, Lowder C, Jacobs D, Rapuano C, Green GJ. HIV positive patients with intracorneal precipitates between Descemet’s membrane and endothelium. Joint Meeting of the American Academy of Ophthalmology (AAO) Pan-American Association of Ophthalmology (PAAO), October, 1999.

b. National

Chu, DS. Outbreak of Contact Lens-Related Fusarium Keratitis in 2006. A Lesson in Microbial Keratitis and Contact Lens Care. Science on Saturday: Princeton University Plasma Physics Laboratory Lecture Series. March 14, 2009.

Chu, DS. Outbreak of contact lens related fusarium keratitis in 2006 and the pathophysiology of microbial keratitis. Alcon Laboratories, Irving Texas, January 2007.

c. Regional

Chu DS. “Ligneous Conjunctivitis”. New York Eye and Ear Infirmary Grand Rounds, New York, New York, October 2011.

Chu DS. “Pediatric Uveitis”. Grand Rounds, Institute of Ophthalmology and Visual Science, New Jersey Medical School, Newark, New Jersey, June 2011.

Chu DS. “Retinal Vasculitis”. Tan Tock Seng Hospital, Department of Ophthalmology Grand

Rounds, Singapore, May 2011.

Chu DS. “Visual Disability in Children and Young Adults with Uveitis”. Pediatric Uveitis Symposium, Massachusetts Eye Research & Surgery Institution, Cambridge, Massachusetts, August 2010.

Chu, DS. “Surgical Techniques of Corneal and Ocular Surface Surgeries”. Hudson Valley Chapter, Challenges in Ophthalmology Annual Conference. Hopewell Jct., New York, April 24, 2010.

Chu, DS. “Current Concepts in Management of Dry Eyes. New Advances in Ophthalmology”. Englewood, New Jersey, September 17, 2009.

Chu, DS. “Outbreak of Fusarium Keratitis Associated with Contact Lens Use in 2006”. Visiting Professor, Massachusetts Eye Research & Surgery Institution, Cambridge, Massachusetts, September 2009.

Chu, DS. Role of Topical Steroids in Management of Anterior Uveitis. Advances in Corneal Disease Management. Livingston, New Jersey, March 19, 2009.

Chu, DS. Modern Approaches to the Diagnosis and Management of Uveitis. East Coast Glaucoma Symposium, The Westin New York at Times Square in New York, New York. June 13 - 14, 2008.

Chu, DS. Outbreak of Contact Lens Related Fusarium Keratitis in 2006. Tri-County Society of Optometric Physicians, Randolph, New Jersey. June 12, 2008.

Chu, DS. Fechtner, RD. The Effect of Chronic Tropical Anti-Ocular Hypertensives on the Ocular Surface. Grand Rounds, Department of Ophthalmology, Clara Maass Medical Center, Cedar Grove, New Jersey, April 2, 2008.

Chu, DS. Outbreak of Fusarium Keratitis Associated with Contact Lens Use in 2006. Lions Eye Research Foundation Day, October 20, 2007.

Chu, DS. Contact lens-associated fusarium keratitis. Grand Rounds, UMDNJ-New Jersey Medical School, Institute of Ophthalmology, Newark, New Jersey, March 2007.

Regional (cont'd)

Chu, DS. Current concepts of immunomodulatory therapy for ocular inflammatory disease, and ocular allergies. Albany Medical College Grand Rounds, Albany, New York, October 2006.

Chu, DS. Eye Fungus: Fusarium Keratitis. Community Health Watch in conjunction with Comcast Cable Network, South Orange, New Jersey June 2006.

Chu, DS. “Review of Immunomodulatory Therapy for Uveitis. Biologic Agents: A new Class of Medications”. Guest Lecturer, Department of Ophthalmology Grand Rounds. New York Medical College – Westchester Medical Center, Valhalla, New York, October 2005.

Chu, DS. “Immunomodulatory therapy of Ocular Inflammatory Disease: Anti-Inflammatory Therapy Using Biological Agents” UMDNJ- Institute of Ophthalmology and Visual Science

Grand Rounds. UMDNJ-New Jersey Medical School, Newark, New Jersey June 2005.

Chu D. The Eyes have it: Juvenile Arthritis and eye involvement. Presented at the Arthritis Foundation, New Jersey Chapter Annual Juvenile Arthritis Conference, Seton Hall University, South Orange, NJ, March 2005.

Chu, DS. What Causes Keratoconus? Associations and Pathophysiology. Keratoconus Patient Education. Seminar for the National Keratoconus Foundation. Cornea and Laser Eye Institute, Teaneck, New Jersey, October, 2004.

Chu, DS. Workplace ocular injuries. Lucent Technologies Headquarters, Murray Hill, New Jersey, October 2003.

Chu, DS. Current Concepts in Management of Dry Eyes. Advances in Corneal Disease Management, Cornea and Laser Eye Institute, Teaneck, New Jersey, December 3, 2008.