

Curriculum Vitae
Charlotte Enns Joslin, O.D.

Personal Information

Business Address: University of Illinois at Chicago
Eye and Ear Infirmary
UIC Eye Center (MC648)
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Education and Training

Graduate Education

School of Public Health, University of Illinois at Chicago, Chicago, Illinois
Doctor of Philosophy, Division of Epidemiology curriculum
August 2004 – present
Expected degree completion July, 2009

Residency

West Side VA Medical Center, Chicago, Illinois
July 1997 – June 1998

Blind Rehabilitation Center, Hines VA Hospital, and Hines, Illinois
July 1997 – June 1998

Professional Education

The Ohio State University College of Optometry
Doctor of Optometry, June 1997
Beta Sigma Kappa
Student Council, Secretary

Clinical Externship:

Cleveland VA Medical Center, Brecksville and Wade Park Divisions

Undergraduate Education

Illinois Wesleyan University, Bachelor of Arts in Biology, May 1993
Kappa Kappa Gamma Sorority Treasurer, August 1991- May 1993

Licensure and Certification

Illinois, DPA and TPA certification, 1998 - present
National Board of Examiners in Optometry, Parts I-III and TMOD, 1996 – 1997

Academic and Hospital Appointments

Assistant Professor of Ophthalmology, Department of Ophthalmology and Visual Sciences,
University of Illinois at Chicago, July 2001 – present

Attending Staff, Contact Lens Service and General Eye Clinic, Department of Ophthalmology
and Visual Sciences, University of Illinois at Chicago, July 1999 - present

Attending Staff, Department of Ophthalmology, Michael Reese Hospital, Chicago, Illinois,
May 2001 - present

Consulting Staff, Department of Surgery, Division of Optometry, West Side VA Medical
Center, Chicago, Illinois, May 2000 - present

Visiting Assistant Professor of Optometry in Ophthalmology, Dept. of Ophthalmology and
Visual Sciences, University of Illinois at Chicago, July 1999 – July 2001

Clinical Instructor, Primary Care, Contact Lens and Low Vision Clinics, Illinois Eye Institute,
Illinois College of Optometry, August 1998 – June 1999

Honors and Distinctions

Ezell Fellowship, 2006 – 2007
American Optometric Foundation

Prevent Blindness America, Investigator Award, 2006
Prevent Blindness America

Midwest Eye-Banks, Investigator Award, 2006
Midwest Eye-Banks

Delta Omega Honor Society National Poster Competition
Poster selected for presentation as 1 of 19 posters at the Delta Omega Poster Session
American Public Health Association Annual Meeting, November 2006

2006 Award for Outstanding Research at the Doctoral Level
UIC School of Public Health

Campus Research Board, 2005
University of Illinois at Chicago

Mentored Patient-Oriented Research Career Development Award, 2004
National Eye Institute

Summer Invitational Research Institute, 2002
American Academy of Optometry and American Optometric Association

Summer Invitational Research Institute, 2000
American Academy of Optometry and American Optometric Association

Fellow, American Academy of Optometry
December 1999 – present

Alcon Award of Excellence in Clinical Contact Lens Care
The Ohio State University, College of Optometry, 1997

Vistakon American Academy of Optometry Travel Fellowship Award
December, 1996

Beta Sigma Kappa Honor Society
The Ohio State University, College of Optometry, 1995

Professional Societies

Association for Research in Vision and Ophthalmology
American Academy of Optometry
Illinois Chapter of the American Academy of Optometry
Beta Sigma Kappa Honorary Society
Chicago Area Contact Lens Society

Service

Oral Practice Examination Committee, Chair
UIC Department of Ophthalmology and Visual Sciences
July 2003 – present
Charged with the development of a functional oral practice examination administered annually to all ophthalmology residents
First Oral Practice Examination administered January, 2005

Faculty Advisory Committee, Secretary
UIC Department of Ophthalmology and Visual Sciences, 2005 - 2007

Residency Education Committee, Member
UIC Department of Ophthalmology and Visual Sciences, 2004 - present

Research Committee, Member
UIC Department of Ophthalmology and Visual Sciences, 2004 - present

Chicago LIERI Lions Eye, Member
UIC Department of Ophthalmology and Visual Sciences, 2004 - present

Private Practice Experience

North Suburban Vision Consultants, Deerfield, Illinois, August 1998 - February 2000

Clinical Research

Corneal Refractive Power Post Refractive Surgery
Principal Investigator, University of Illinois at Chicago
Funded by the National Eye Institute; NIH/NEI EY 15689
September 2004 – August 2009

Chicago-area Acanthamoeba Keratitis Study
Principal Investigator, University of Illinois at Chicago
Funded by Prevent Blindness America
July 2006 – July 2007

Chicago-area Acanthamoeba Keratitis Study
Principal Investigator, University of Illinois at Chicago
Funded by Midwest Eye-Banks
July 2006 – July 2007

Diet and Survival from Ovarian Cancer in Illinois Women
Co-Investigator, University of Illinois at Chicago
Funded by American Cancer Society
August 2006 – August 2007

Acanthamoeba Keratitis

Principal Investigator, University of Illinois at Chicago
Funded by the Campus Research Board, Office of the Vice Chancellor, University of Illinois at Chicago
July 2005 – July 2006

FDA 510K Clinical Investigation for SynergEyes hybrid contact lenses

Principal Investigator, University of Illinois at Chicago
Funded by Quarter Lambda Technologies
February 2004 – February 2005

Collaborative Longitudinal Evaluation of Keratoconus (CLEK) Randomized Clinical Trial

Principal Investigator, University of Illinois at Chicago
Reviewed by the National Eye Institute Spring 2003

Corneal Refractive Therapy: Wavefront Analysis

Principal Investigator, University of Illinois at Chicago
Funded by Paragon Vision Sciences
August 2001 - 2002

Collaborative Longitudinal Evaluation of Keratoconus (CLEK) Observational Study

Co-Investigator, University of Illinois at Chicago
Funded by the National Eye Institute
September 1999 - 2004

Unilens Bifocal vs. Israeli Bifocal Contact Lens Feasibility Study

Co-Investigator, University of Illinois at Chicago, September 2000

Macrolens Rigid Gas Permeable Contact Lens Feasibility Study

Co-Investigator, University of Illinois at Chicago, May 2000

Israeli Bifocal Contact Lens Feasibility Study

Co-Investigator, University of Illinois at Chicago, September 1999

Menicon Z-thin Extended Wear Contact Lens FDA Clinical Trials

Co-Investigator, North Suburban Vision Consultants, October 1999

Alcon Optifree Express Solution Study

Co-Investigator, North Suburban Vision Consultants, October 1999

Ciba See3 Extended Wear Contact Lens FDA Clinical Trials

Co-Investigator, North Suburban Vision Consultants, February 1999

Peer Reviewed Journal Publications:

1. **Joslin CE**, Tu EY, McMahon TT, Passaro DJ, Stayner LT, Sugar J. Epidemiological Characteristics of a Chicago-area Acanthamoeba Keratitis Outbreak. *Am J Ophthalmol.* Aug 2006;142(2):212-217 e212.
2. **Joslin CE**, Koster J, Tu E. Contact lens overrefraction variability in corneal power estimation post-refractive surgery. *J Cataract Refract Surg.* Dec 2005;31(12):2287-2292.
3. **Joslin CE**, Wu SM, McMahon TT, Shahidi M. Is "whole eye" wavefront analysis helpful to Corneal Refractive Therapy? *Eye and Contact Lens.* Oct 2004;30(4):186-188; discussion 205-186.

4. Twa MD, Nichols JJ, **Joslin CE**, Kollbaum PS, Edrington TB, Bullimore MA, Mitchel GL, Cruickshanks KJ, Schanzlin DJ. Characteristics of corneal ectasia after LASIK for myopia. *Cornea*. Jul 2004;23(5):447-457.
5. **Joslin CE**, Wu SM, McMahon TT, Shahidi M. Higher-order wavefront aberrations in corneal refractive therapy. *Optom Vis Sci*. Dec 2003;80(12):805-811.
6. Zadnik K, Steger-May K, Fink BA, **Joslin CE** et al and the CLEK Study Group. Between-eye asymmetry in keratoconus. *Cornea*. Oct 2002;21(7):671-679.
7. **Joslin CE**, McMahon TT, Kaufman LM. The effectiveness of occluder contact lenses in improving occlusion compliance in patients that have failed traditional occlusion therapy. *Optom Vis Sci*. Jun 2002;79(6):376-380.
8. McMahon TT, Anderson RJ, **Joslin CE**, Rosas GA. Precision of three topography instruments in keratoconus subjects. *Optom Vis Sci*. Aug 2001;78(8):599-604.

As part of the CLEK Study Group:

9. Barr JT, Wilson BS, Gordon MO, et al, and the CLEK Study Group (**Joslin CE**). Estimation of the Incidence and Factors Predictive of Corneal Scarring in the Collaborative Longitudinal Evaluation of Keratoconus (CLEK) Study. *Cornea*. Jan 2006;25(1):16-25.
10. Zadnik K, Barr JT, Steger-May K, Edrington TB, McMahon TT, Gordon MO, and the CLEK Study Group (**Joslin CE**). Comparison of flat and steep rigid contact lens fitting methods in keratoconus. *Optom Vis Sci*. Dec 2005;82(12):1014-1021.
11. Fink BA, Wagner H, Steger-May K, et al and the CLEK Study Group (**Joslin, CE**). Differences in keratoconus as a function of gender. *Am J Ophthalmol*. Sep 2005;140(3):459-468.
12. McMahon TT, Anderson RJ, Roberts C, Mahmoud AM, Szczotka-Flynn LB, Raasch TW, Friedman NE, Davis LJ, and the CLEK Study Group (**Joslin CE**). Repeatability of Corneal Topography Measurement in Keratoconus with the TMS-1. *Optom Vis Sci*. May 2005;82(5):405-415.
13. Kymes SM, Walline JJ, Zadnik K, Gordon MO and the CLEK Study Group (**Joslin CE**). Quality of life in keratoconus. *Am J Ophthalmol*. Oct 2004;138(4):527-535.
14. Nichols JJ, Steger-May K, Edrington TB, Zadnik K and the CLEK Study Group (**Joslin CE**). The relation between disease asymmetry and severity in keratoconus. *Br J Ophthalmol*. Jun 2004;88(6):788-791.
15. Edrington TB, Gundel RE, Libassi DP, Wagner H, et al. and the CLEK Study Group (**Joslin CE**). Variables Affecting Rigid Contact Lens Comfort in the Collaborative Longitudinal Evaluation of Keratoconus (CLEK) Study. *Optom Vis Sci*. Mar 2004;81(3):182-188.
16. Shen JF, McMahon TT, Cheng EL, et al and the CLEK Study Group (**Joslin, CE**). Lysosomal hydrolase staining of conjunctival impression cytology specimens in keratoconus. *Cornea*. Jul 2002;21(5):447-452.
17. Szczotka LB, Barr JT, Zadnik K and the CLEK Study Group (**Joslin, CE**). A summary of the findings from the Collaborative Longitudinal Evaluation of Keratoconus (CLEK) Study. CLEK Study Group. *Optometry*. Sep 2001;72(9):574-584.

18. Raasch TW, Schechtman KB, Davis LJ, Zadnik K and the CLEK Study Group (**Joslin, CE**). Repeatability of subjective refraction in myopic and keratoconic subjects: results of vector analysis. *Ophthalmic Physiol Opt.* Sep 2001;21(5):376-383.
19. Fink BA, Barr JT, Edrington TB, Pierce GE, Schechtman KB, Rah MJ, Flom R, Zadnik K, and the CLEK Study Group (**Joslin, CE**). A comparison of two methods of evaluating cornea-to-contact lens base curve fluorescein patterns in keratoconus. *Optom Vis Sci.* Aug 2001;78(8):589-598.
20. Zadnik K, Barr JT, Edrington TB, Nichols JJ, Wilson BS, Siegmund K, Gordon MO, and the CLEK Study Group (**Joslin, CE**). Corneal scarring and vision in keratoconus: a baseline report from the Collaborative Longitudinal Evaluation of Keratoconus (CLEK) Study. *Cornea.* Nov 2000;19(6):804-812.
21. Barr JT, Zadnik K, Wilson BS, Edrington TB, Everett DF, Fink BA, Shovlin JP, Weissman BA, Siegmund K, Gordon MO, and the CLEK Study Group (**Joslin, CE**). Factors associated with corneal scarring in the Collaborative Longitudinal Evaluation of Keratoconus (CLEK) Study. *Cornea.* Jul 2000;19(4):501-507.

Published Abstracts:

1. **Joslin CE**, Tu EY, McMahon TT, Passaro DJ, Stayner LT, Sugar JA. Descriptive epidemiology of the Chicago-area *Acanthamoeba* Keratitis Outbreak. Annual Meeting of the American Public Health Association Annual Meeting, Delta Omega Honor Society National Poster Competition, November 2006.
2. **Joslin CE**, Tu EY, McMahon TT, Passaro DJ, Stayner LT, Sugar JA. Descriptive epidemiology of the Chicago-area *Acanthamoeba* Keratitis Outbreak. Annual Meeting of the Association for Research in Vision and Ophthalmology, May 2006.
3. **Joslin CE**, Tu EY, McMahon TT, Passaro DJ, Stayner LT, Sugar JA. Descriptive epidemiology of the Chicago-area *Acanthamoeba* Keratitis Outbreak. UIC School of Public Health Student Research Forum and Awards Day, April 2006.
4. **Joslin CE**, Tu EY, McMahon TT, Sugar JA. Geographical Distribution of the Chicago-area *Acanthamoeba* Keratitis Outbreak. Annual Meeting of the American Academy of Optometry, December 2005.
5. **Joslin CE**, Tu EY, McMahon TT, Sugar J. IOL Power Calculation in Eyes Having Undergone Myopic Refractive Surgery and Cataract Surgery. *Invest. Ophthalmol. Vis. Sci.* May 1, 2005 2005;46(5):859-.
6. Munir WM, Tu EY, **Joslin CE**, McMahon TT. Comparison of Hartmann Shack Aberrometer and OPD Scan in Postkeratoplasty Wavefront Analysis of Interrupted Suturing versus Combined Interrupted and Continuous Suturing Techniques. *Invest. Ophthalmol. Vis. Sci.* May 1, 2005 2005;46(5):847-.
7. **Joslin CE**, Koster J, Tu E. Corneal Refractive Power Post Refractive Surgery. *Invest. Ophthalmol. Vis. Sci.* May 1, 2004 2004;45(5):308-.
8. Edrington TB, **Joslin CE**, Wilson B, Gordon M, Zadnik K. Clinical outcomes in keratoconus following penetrating keratoplasty. *Invest. Ophthalmol. Vis. Sci.* May 1, 2004 2004;45(5):2895-.

9. **Joslin CE**, Tu EY. Corneal refractive power estimation and IOL calculation post refractive surgery. *Optom Vis Sci*. December 10, 2004;81(Supp).
10. **Joslin CE**, Wu SM, McMahon TT, Shahid M. Whole eye, corneal and internal aberrations induced by corneal refractive therapy. *Optom Vis Sci*. December 4, 2003;80(Supp).
11. **Joslin CE**, Koster J, Tu E. Predicting corneal refractive power post myopic LASIK using contact lens overrefraction. *Optom Vis Sci*. December 5, 2003;80(Supp).
12. **Joslin CE**, Wilson B, Barr JT, Gordon M, Zadnik K. Clinical outcomes in keratoconus following penetrating keratoplasty. *Optom Vis Sci*. December 6, 2003;80(Supp).
13. Wu SM, **Joslin CE**, McMahon TT. The optics of the peripheral cornea under centrally masked conditions. *Optom Vis Sci*. December 6, 2003;80(Supp).
14. Twa MD, Nichols JJ, Kollbaum P, **Joslin CE**, Edrington T, Bullimore M, Mitchell GL, Cruickshanks K, Schanzlin D. Early onset corneal ectasia after LASIK. *Optom Vis Sci*. December 4, 2003;80(Supp).
15. Twa MD, Nichols JJ, **Joslin CE**, Kollbaum P, Edrington T, Schanzlin DJ. Characteristics of Corneal Ectasia after Myopic LASIK. *Invest. Ophthalmol. Vis. Sci*. May 1, 2003 2003;44(5):2640-.
16. **Joslin CE**, Mitchel GL, Yeung K, Rosenstiel CE, Pederson K, McMahon TT. Contact lens wear and graft rejection in penetrating keratoplasty. *Optom Vis Sci*. December 12, 2002;79(Supp).
17. **Joslin CE**, Shahidi M. Higher order wavefront aberrations in Orthokeratology. *Optom Vis Sci*. December 12, 2002;79(Supp).
18. McMahon TT, **Joslin CE**, Anderson RJ, Rosas G. Instrument precision comparisons for three topographers in keratoconus subjects. *Optom Vis Sci*. December 11, 2000;77(Supp).
19. **Joslin CE**, McMahon TT. Effectiveness of occluder contact lenses in pediatric aphakia. *Optom Vis Sci*. December 12, 1999;76(Supp).
20. **Joslin CE**, Stelmack JA. Effect of RPE transplants on low vision rehabilitation. *Optom Vis Sci*. December 14, 1998;75(Supp).
21. **Joslin CE**, Moyle WE, Reichelt EJ, Stelmack TR, Marciniak MM. Predicted versus prescribed magnification in low vision patients with juxtafixational scotomas. *Optom Vis Sci*. December 14, 1997;74(Supp).

Non Peer Reviewed Journal Publications

Joslin, CE, McMahon TT. Custom contact lens aberration correction. *Contact Lens Spectrum*. 2004 Sept; 19(9).

Joslin, CE. Contact Lenses and Complications. *Contact Lens Spectrum*. 2003 Feb; 18(2):42-45.

Book Chapters

Kara-Jose N, Coral-Ghanem C, **Joslin CE**. Complications associated with contact lens use. In: Contact Lenses in Ophthalmic Practice. Ed: Mannis MJ, Zadnik K. New York: Springer-Verlag. 2004.

Presentations:

1. Corneal power and IOL calculation in post-refractive surgery patients. UIC Resident-Alumni Day, University of Illinois at Chicago. June 8, 2005.
2. Invited Speaker: Determining corneal power and IOL calculation in post-refractive surgery patients. Ophthalmology Update, Punta Cana, Dominican Republic. Sponsored by University of Illinois at Chicago, University of Iowa and Washington University St. Louis. April 2, 2005.
3. Invited Speaker: Corneal reshaping – good, bad, or other? Ophthalmology Update, Punta Cana, Dominican Republic. Sponsored by University of Illinois at Chicago, University of Iowa and Washington University St. Louis. April 1, 2005.
4. Invited Scientific Session Moderator: Contact lenses - design/fitting, complications, visual performance, aberrations. Annual Meeting of the American Academy of Optometry, December 12, 2004.
5. Invited Speaker: Determining corneal power for IOL calculation in post-refractive surgery patients. Loyola University Chicago, Department of Ophthalmology, Chicago Subspecialty Guest Lecture Series, Maywood, IL, August 11, 2004.
6. Invited Speaker: Is “whole eye” wavefront analysis helpful to Corneal Refractive Therapy? Global Orthokeratology Symposium, Toronto, Canada, July 23, 2004.
7. Invited Speaker: Higher Order Wavefront Aberrations in Corneal Refractive Therapy. Special World Summit Symposium on Corneal Refractive Therapy by Overnight Contact Lens Wear. Sponsored by Contact Lens Association of Ophthalmologists through an educational grant from Paragon Vision Sciences, in conjunction with the Annual Meeting of the Association for Research in Vision and Ophthalmology. April 29 – May 1, 2004.
8. Invited Scientific Session Moderator: Optics and Refraction. Annual Meeting of the American Academy of Optometry, December 4, 2003.
9. Higher Order Wavefront Aberrations in Corneal Refractive Therapy. UIC Resident-Alumni Day, University of Illinois at Chicago. June 11, 2003.
10. Invited Speaker: Orthokeratology: How Good is it Today? UIC Cornea Symposium, University of Illinois at Chicago, March 5, 2003.
11. Invited Speaker: Corneal Refractive Therapy. Illinois College of Optometry. September 10-13, 2002.
12. Invited Speaker: Orthokeratology: Confocal Microscopy and Wavefront Analysis. Illinois Eye Fund Board of Directors Meeting, University of Illinois at Chicago, May 28, 2002.
13. Invited Speaker: Orthokeratology: A New Millennium? UIC Cornea Symposium, University of Illinois at Chicago, September 26, 2001.