

CURRICULUM VITAE

Kara Hanson, O.D., F.A.A.O.

*Associate Professor, Department of Ophthalmology
University of Colorado School of Medicine
UCH-Sue Anschutz-Rodgers Eye Center; Mail Stop F731
1675 Aurora Court
Aurora, CO 80045
kara.hanson@cuanschutz.edu
Ph: 720-848-2500; Fax: 720-848-4043*

EDUCATION:

- B.A. 1987: Speech/Communications. University of Minnesota, Minneapolis, MN
- O.D. 1998: Optometry. University of Houston, Houston, TX

ACADEMIC APPOINTMENTS:

UNIVERSITY OF COLORADO SCHOOL OF MEDICINE (CUSOM) Aurora, CO
Department of Ophthalmology

- 2005: Instructor, part time
- 2010: Clinical Assistant Professor, part time
- 2014: Assistant Professor, full time
- 2021: Associate Professor, full time

UNIVERSITY OF HOUSTON COLLEGE OF OPTOMETRY (UCHO) Houston, TX

- 1999-2001: Part-time Clinical Faculty
- 2001-2005: Clinical Assistant Professor

HOSPITAL STAFF APPOINTMENTS:

- 2005: University of Colorado Hospital (UCH), Aurora CO
- 2020: Children's Hospital Colorado (CHC), Aurora, CO

OTHER PROFESSIONAL POSITIONS:

KARA HANSON, OD, PC Denver, CO

- 1/2007-1/2014: President, Chief Executive Officer
- Founded optometry clinic exclusively specializing in low vision rehabilitation
- Established all administrative and patient care protocols
- Responsible for business administration
- Created marketing tools and provided outreach seminars to interested groups
- Worked with state agencies to obtain services for qualifying patients

NEW MEXICO SCHOOL FOR THE BLIND AND VISUALLY IMPAIRED (NMSBVI)

- 2007 – 2010: Consultant
- Assisted NMSBVI staff in creating and implementing their Mobile Low Vision Clinic for students in grades K – 12
 - Created list of necessary equipment to be ordered and respective vendors
 - Established patient care protocols
 - Recruited and trained in-state optometrist to perform low vision evaluations
 - Assisted in-state optometrist in performing low vision evaluations
 - Clinics occurred 2-3 times per year for two days, serving 12 – 18 students per clinic

HONORS, SPECIAL RECOGNITIONS:

- 2004 UHCO Commencement Ceremony, Hooding of candidates
- 2004 Fellow, American Academy of Optometry
- 2008 Volunteer Service Award – Colorado Optometric Association
- 2011 American Optometric Association’s Healthy Eyes, Healthy People grant recipient

PROFESSIONAL ORGANIZATIONS:

American Academy of Optometry (AAOpt)

International Society for Low Vision Research and Rehabilitation (ISLRR)

American Optometric Association (AOA)

Colorado Optometric Association (COA)

ADMINISTRATIVE APPOINTMENTS, COMMITTEES AND SERVICE:

CUSOM, DEPARTMENT OF OPHTHALMOLOGY

- 2005 – present: Director, Low Vision Rehabilitation Service
 - Established all administrative and patient care protocols of this service
 - Created marketing tools and provided outreach seminars to interested groups
 - Performed functional evaluations, provided training and prescribed low vision devices for visually impaired patients
 - Worked with state agencies to obtain services for qualifying patients
 - Founded the Anchor Center low vision clinic serving preschoolers who are blind or visually impaired
 - Collaborated with CHC’s in-patient rehabilitation department to perform functional vision consultations with their patients to provide guidance for treatment plans as needed.

PROFESSIONAL ORGANIZATIONS

- 2018 – present: *ISLRR Vision 2023 International Conference*
 - Involved in fact-finding and decision-making process to proceed with preparing initial bid to host the conference
 - Local Organizing Committee member
 - Graphic Design Subcommittee
 - Destination Management Company Subcommittee
- 2005 – present: COA Low Vision Committee member
 - Colorado Division of Vocational Rehabilitation liaison
 - Author/co-author of several articles pertaining to optometric low vision care for monthly COA newsletter
- 2012 – 2014: COA Board of Trustees member

STATE GOVERNMENT

- 2007 – 2011: Colorado Commission for Individuals Who are Blind or Visually Impaired
 - Commissioner

NON-PROFIT ORGANIZATIONS

- 2010 – present: See the Future Fund - Scholarships for the blind/visually impaired
 - Selections Committee member
 - Review and rank applicants’ essays, SAT/ACT scores, transcripts yearly
 - Determine scholarship amounts for each applicant
- 2018 – present: A Shared Vision: Partners in Pediatric Blindness and Visual Impairment
 - Advisory Board member
 - Meetings are 2-3 times per year
- 2006 - 2019: A3, non-profit agency providing services for blind/visually impaired seniors

- Provided seminars, lectures and/or served as keynote speaker 3-4 times per year for support groups and local conferences
- 2016 Medication Reconciliation Program committee member
- 2017: Vision Coalition advisor
 - Work group consisting of educators and ancillary professionals that work with blind/visually impaired students

UCHO

- 2003-2005: Co-chair, Scholarship & Financial Aid Committee
- 2003: Quality Assurance Committee
- 2004: Co-chair, Student Recruitment Committee
- 2005: Center for Sight Enhancement Open House

LICENSURE

- 2005 – present: Colorado Optometry License
- 1998 – 2005: Texas Optometry License

REVIEW AND REFEREE WORK

- 2019 Restorative Neurology and Neuroscience. Reviewed paper 19-0928-R.
- 2018 Public Library of Science (PLOS) *One*. Reviewed paper PONE-D-18-33182.

LECTURES PRESENTED:

NATIONAL/INTERNATIONAL

- 2020 American Academy of Optometry Workshop:
 - *Bioptics for beginners: How to fit bioptic telescopes for distance activities.* (Accepted for presentation; however, all workshops were cancelled due to COVID-19)
- 2017 American Academy of Optometry Annual Meeting:
 - *Look Ma, no hands! Fitting spectacle-mounted telescopes*
- 2016 Envision Conference (co-presenter: Amy Dobbs, OTR):
 - *I Spy with my Little Eye: Optical & Non-Optical Strategies to Enhance Functional Mobility*

REGIONAL LEVEL

- 2018 22nd Annual Ophthalmology Symposium, CUSOM:
 - *Microperimetry: Not Your Father's Amsler Grid!*
- 2016 Rocky Mountain Ophthalmic Personnel Regional Meeting:
 - *Understanding Low Vision*
- 2015 19th Annual Ophthalmology Symposium, CUSOM:
 - *Driving with Homonymous Hemianopia*
- 2015 Association for Driver Rehabilitation Specialists Regional Meeting:
 - *Driving and Low Vision*
- 2015 American Association of Certified Orthoptists Joint Regional Conference:
 - *Low Vision Rehabilitation – Maximizing Functional Vision*
- 2014 18th Annual Ophthalmology Symposium, CUSOM:
 - *Statutory Blindness & Disability*
- 2010 14th Annual Ophthalmology Symposium, CUSOM:
 - *The Implantable Miniature Telescope*
- 2009 Continuing Education for Occupational Therapists:
 - *Caring for the Visually Impaired*
- 2008 Collaborative Assistive Technology Conference:
 - *Low Vision through the Ages* Co-presenter
- 2007 11th Annual Ophthalmology Symposium, CUSOM:

- *To Drive or not to Drive? Counseling the Visually Impaired Patient*
- 2006 10th Annual Ophthalmology Symposium, CUSOM:
 - *Vision Rehabilitation: An essential part of providing full scope of care to your patients*
- 2004 Texas Region IV Education Service Center Conference:
 - *Advantages and Limitations of Optical Devices and Practical Applications*
- 2003 Low Vision Therapist Certification Course, Houston, TX:
 - *Advantages and Limitations of Optical Devices and Practical Applications*

STATE LEVEL

- 2020 CO Division of Vocational Rehabilitation State Meeting:
 - *Driving with Low Vision*
- 2018 UCHealth System Rehabilitation Symposium (co-presenter: Amy Dobbs, OTR):
 - *Low Vision Rehabilitation at UCHealth Eye Center*
- 2017 CO Division of Vocational Rehabilitation State Meeting:
 - *Etiologies of Deaf-Blindness: Visual Aspects*
- 2015 Colorado Department of Education CE Conference:
 - *I Spy with my Little Eye: Optical Devices to Enhance Orientation & Mobility*
- 2014 Colorado Division of Vocational Rehabilitation:
 - *Interpretation of Eye Report Data*
- 2008 Colorado Commission for the Blind and Visually Impaired:
 - *Summary of care provided by low vision specialists*
- 2007 NM Association for Education and Rehabilitation of the Visually Impaired:
 - *Advantages and Limitations of Optical Devices and Practical Applications*
 - *The Low Vision Functional Evaluation*
- 2007 CO Division of Vocational Rehabilitation State Meeting:
 - *Interpretation of Eye Report Data*
- 2006 CO Division of Vocational Rehabilitation State Meeting:
 - *Ocular Anatomy Review*
- 2005 Texas Commission for the Blind, Eye/Medical Training:
 - *Low Vision Device Options*
- 2004 Texas Commission for the Blind, Eye/Medical Training:
 - *The Primary Care Eye Exam*

LOCAL LEVEL

- 2014 UCHealth Rehabilitation Symposium (co-presenter: Amy Callan, DOT):
 - *Low Vision Rehabilitation: who, what, when, where and why?*
- 2010 Centers for People with Disabilities:
 - *The Low Vision Evaluation, how it differs from your typical eye exam*

UNIVERSITY LEVEL

- 2013 CUSOM Department of Ophthalmology Grand Rounds:
 - *Incorporating occupational therapy into low vision rehabilitation practice*
- 2009 CUSOM Geriatric Grand Rounds:
 - *Vision Rehabilitation: An essential part of providing full scope of care to your patients*
- 2004 Bemidji State and St Cloud State Universities' Pre-health Professionals' Groups:
 - *Vision Rehabilitation: Helping the "Blind" to See*
- 2003 Geriatric Optometry Course Lecture: Cataracts
- 2001 UHCO Grand Rounds and New Developments: Intraocular *Foreign Body*
- 2001 UHCO 3rd Year Interactive Grand Rounds: *The Case of the Low Vision Patient*
- 1998 UHCO Grand Rounds and New Developments:
 - *Non-secreting Pituitary Adenoma*

TEACHING:

CUSOM

Department of Ophthalmology Basic Science Course Series: Developed and/or coordinated one 3-hour session per year for ophthalmology residents and pediatric optometry fellow pertaining to blindness, visual impairment, and low vision rehabilitation

- 2021 Three-speaker lecture and workshop:
 - *Driving with Visual Impairment*
- 2020 Four-speaker panel discussion:
 - *Living with Blindness or Visual Impairment*
- 2019 Three-speaker lecture and workshop:
 - *Orientation & Mobility: Sighted Guide, Cane Travel, and Guide Dogs*
- 2017 Four-speaker lecture:
 - *Driving; Social Security Disability/Statutory Blindness: Federal Law; Pediatric Low Vision Services: Federal Law; Veteran's Administration Low Vision Services*
- 2016 Five-speaker lecture:
 - *Low Vision Services from Cradle to Grave*

Foundations of Doctoring Instructor (2017, 2019): Small group instruction regarding the basics of examining the eye, important signs/symptoms of urgent and emergent ocular conditions, and ocular manifestations of systemic diseases

CUSOM CLINICAL TEACHING

2005 – present: Supervision and clinical teaching of PGY2 ophthalmology residents in low vision rehabilitation clinic, 4-8 hours/week

2015 – present: Supervision and clinical teaching of pediatric optometry fellow at Anchor Center Low Vision Clinic, 4 hours per month (2016, 2017 omitted due to leadership change at Anchor Center Preschool)

2019 – present: Supervision and clinical teaching of PGY1 ophthalmology residents in low vision rehabilitation clinic, 4 hours every 2-4 weeks

UHCO

2001-2005 **Low Vision Procedures Lab** (OPTO 7162: 15-week course)

- Conducted prelab lectures on clinical tests used with the visually impaired
- Supervised one to two groups of 25 students during weekly two-hour lab
- Administered proficiency exams

1999-2003 **Pediatrics Procedures Lab** (OPTO 6151: 15-week course)

- Conducted prelab lectures on clinical tests used in the pediatric population
- Supervised one to two groups of 25 students during weekly three-hour lab
- Administered proficiency exams

2002 **Interim Course Master**

- Revised lab manual & organized equipment for each lab session
- Supervised one group of 25 students during weekly three-hour lab
- Communicated with 100 students & 6 teaching assistants
- Recruited pediatric subjects to come in for students to perform developmental tests
- Organized proficiency exams; scheduled students' test times; posted grades, etc.

2001 **Clinical Procedures Lab III** (OPTO 5131: 15-week course)

- Assisted in conducting prelab lectures on clinical tests used in primary care optometry
- Supervised 25 students during weekly three-hour lab

UHCO CLINICAL TEACHING

1999-2005 Clinical attending: Supervised 3rd and 4th year optometry students in adult and pediatric primary care, contact lens, and low vision rehabilitation clinics. (6 – 8 half days per week)

2004-2005 Baylor College of Medicine Low Vision Clinic satellite clinic (1 day per week)

- Performed functional evaluations on visually impaired patients
- Supervised and trained low vision rehabilitation resident
- Worked with state agencies to obtain services for qualifying patients

PUBLICATIONS/SCHOLARSHIP:

PAPERS

1. KS Hanson, HE Bedell, JM White, MT Ukwade. *Comparison of Near and Distant Visual Acuity in patients with infantile nystagmus*. Optometry & Vision Science. 2006 Nov; 83(11):823-829. doi: 10.1097/01.opx.0000238650.33150.73
2. SL Chung, SH Jarvis, SY Woo, KS Hanson, RT Jose. *Reading Speed does not Benefit from Increased Line Spacing in AMD Patients*. Optometry & Vision Science. 2008 Sept; 85(9):827-833. doi: 10.1097/OPX.0b013e31818527ea
3. JL Patnaik, PE Pecen, KS Hanson, AM Lynch, JN Cathcart, FS Siringo, MT Mathias, M Mandava. *Driving and Visual Acuity in Patients with Age-Related Macular Degeneration (AMD)*. Ophthalmol Retina. 2019 Apr;3(4):336-342.
<https://doi.org/10.1016/j.oret.2018.11.004>
4. DC Lewerenz, KS Hanson, GR Hopkins. *Technical Report: A new method for determining image distance for stand magnifiers*. Optometry and Vision Science. December 2020; 97(12); 1048-1052. <https://doi.org/10.1097.OPX.0000000000001613>
5. JL Patnaik, AM Lynch, PE Pecen, M Jasso, KS Hanson, MT Mathias, AG Palestine, N Mandava. *The impact of advanced age-related macular degeneration and the National Eye Institute's Visual Function Questionnaire-25*. Acta Ophthalmologica. Dec 2020.
<http://dx.doi.org/10.1111/aos.14731>

BOOK CHAPTER

1. KS Hanson, DC Lewerenz, PS Subramanian. Springer 2020. Current Advances in Ophthalmic Technology. Chapter 9: Newer Techniques in Vision Restoration and Rehabilitation. <https://doi.org/10.1007/978-981-13-9795-0>

OTHER PUBLICATIONS

1. KS Hanson. *Low Vision Rehabilitation: Strategies for Assisting Patients who have Lost Vision to Glaucoma*. Glaucoma Today. Nov./Dec. 2009; Volume 7(8): 29-33.
2. KS Hanson. *As Vision Dims: Current Perspectives on Managing Glaucoma Patients with Low Vision Rehabilitation*. Glaucoma Today. Nov/Dec 2017; Volume 15(6): 48-50.

SCIENTIFIC ABSTRACTS

POSTER

1. *Objective and Subjective Effects of Enchroma® Lenses on Color Vision in Observers with Color Deficiency*. Presented at AAOpt Oct. 2020. K Hanson, S Nau, L Tavernier, J Patnaik.
2. *Unconventional Biotopic Telescope Spectacle for a Patient with Aphakia: A Case Report*. Presented at AAOpt Dec. 2004. KS Hanson.
3. *Relationship of Wettability and Comfort in Silicone Hydrogel Contact Lens Wearers*. Presented at AAOpt Dec. 2004. J. Liu, S Thota, P Ladage, S Quintero, K Parker, R Bynum, K Hanson, N Chagpar, D Perrigin, N Leach, J Bergmanson.
4. *Effect of line spacing on reading speed for continuous text in individuals with age-related macular degeneration*. Presented at AAOpt Dec. 2003. SL Chung, SY Woo, KS Hanson, RT Jose.

ORAL

5. *Comparison of Near and Distant Visual Acuities in patients with nystagmus*. Presented at AAOpt Dec. 2002. KS Hanson, HE Bedell.

OTHER

6. *The impact of evidence-based design on patient satisfaction, staff satisfaction, and operational efficiency in an Eye Center.* The Center for Health Design: Icons and Innovators Webinar Series September 2015. Presenters: Melissa Piatkowski, Chris Klein.