

# CURRICULUM VITAE

## **Melissa Engle, OD, FAAO**

Lead Optometrist, Instructor

Director of Pediatric Optometry Specialty Care Residency Program

Director of Clinical Informatics for Pediatric Ophthalmology

Children's Hospital Colorado

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## **PREDOCTORAL EDUCATION:**

Pre-medical: Auburn University, Auburn, AL, Bachelor of Science, Summa Cum Laude  
(2008-2012)

Optometry: New England College of Optometry, Boston, MA, Doctor of Optometry,  
(2012-2016)

## **POSTDOCTORAL TRAINING:**

Optometry Residency: Children's Hospital Colorado, Aurora, CO (2016-2017)

## **MEDICAL SCHOOL APPOINTMENTS:**

2018 – Present Instructor of Pediatric Optometry, Children's Hospital Colorado, Aurora,  
CO

## **HOSPITAL STAFF MEMBERSHIPS:**

2016 – Present Children's Hospital Colorado, Instructor, Aurora, CO

2018 – Present University of Colorado Hospital, Instructor, Aurora, CO

## **ADMINISTRATIVE APPOINTMENTS:**

2019 – Present Director of Clinical Informatics for Pediatric Ophthalmology, Children's  
Hospital Colorado, Aurora, CO

2021 – Present Director of Pediatric Optometry Specialty Care Residency Program,  
Children's Hospital Colorado, Aurora, CO

2023 – Present Lead Optometrist, Children's Hospital Colorado, Aurora, CO

**SPECIALTY BOARD CERTIFICATION:**

2016 – Present National Board of Examiners in Optometry  
2017 – Present Fellow of the American Academy of Optometry  
2020 – Present Certified in Epic Kaleidoscope  
2020 – Present Certified in Epic Physician Builder Basic  
2020 – Present Certified in Epic Physician Builder Advanced

**HONORS AND AWARDS:**

Who's Who Among Students in American Universities & Colleges at Auburn University, March 2012.  
Auburn University College of Sciences and Mathematics Dean's Medalist, May 2012.  
Alpha Epsilon Delta Medical National Honor Society Presidential Scholarship and Regional Scholarship May 2012.  
Presidential Scholarship at the New England College of Optometry, August 2012-May 2016.  
Beta Sigma Kappa International Optometric Honor Society. May 2013 – Present.  
Fellow of the American Academy of Optometry, October 2017 – Present.  
2019 Ponzio Research Accelerator Award, July 2019-July 2020.  
Children's Top 20% Patient Family Experience Award, 2022.  
Children's Top 20% Patient Family Experience Award, 2023.  
Children's Top 10% Patient Family Experience Award, 2024.  
Children's Top 20% Patient Family Experience Award, 2025.

**LICENSES:**

Colorado Optometric License: 3218

**COMMITTEES:**

AMC Space Governance Committee, January 2020 – 2022  
Administrative Pavilion – Sub Space Committee, January 2020 – 2022  
Clinician Builders Committee, January 2020 – Present  
Clinical Informatics Council, January 2020 – Present  
Clinical Informatics Ambulatory Committee, January 2020 – Present  
Enterprise Imaging Governance, 2025 – Present  
National Epic Ophthalmology Steering Board – July 2026 – Present

**POSTER PRESENTATIONS:**

*Avoiding Misdiagnosis of Retinitis Pigmentosa*, American Optometric Association, June 2017.

*Pediatric Orbital Myositis: A Rare Finding that Should not be Overlooked*, American Academy of Optometry, October 2019.

*Therapeutic Scleral Lenses in Child with Neurotrophic Keratitis secondary to Intracranial Rhabdomyosarcoma*, Authors: Celeste Gomez and Melissa Engle, American Optometric Association, June 2020.

*Don't Overlook the Eyelids: Preventing Misdiagnosis in Vernal Keratoconjunctivitis*, Authors: Katelyn Perez, OD, Melissa Engle, OD, FAAO, American Optometric Association, June 2025.

*Usefulness of IrisVision (IV) head-mounted video display system for teens and young adults with congenital or early onset low vision*, Authors: Kara S. Hanson, OD, FAAO; David Simpson, OD,

FAAO; Jennifer L. Patnaik, PhD; Melissa Engle, OD, FAAO, ISLRR Vision 2025, September 2025.

*Comparing Reading Speeds Between a Head-mounted Video Display System and Spectacle-based Optical Magnification*, Authors: Kara S. Hanson, OD, FAAO; David Simpson, OD, FAAO; Jennifer L. Patnaik, PhD; Melissa Engle, OD, FAAO, ISLRR Vision 2025, September 2025.

*Beyond Refractive Error: Recognizing Posterior Microphthalmos in Pediatric Patients*, Authors: Eleanor McGeary O.D., Melissa Engle O.D. FAAO, Erin Major O.D. FAAO, American Academy of Optometry, October 2025.

## **LECTURES:**

*Neurotrophic Keratitis: An Overview on Conventional and New Treatments*, Southern College of Optometry Resident Weekend Conference, June 2017.

*Usefulness of the IrisVision head-mounted video low vision aid in young adults and children with congenital or early onset visual impairment*, CCS Research Symposium, Children's Hospital Colorado, February 2020.

*Retinopathy of Prematurity Tracking using Epic Registry and Reports*, Clinician Builders Meeting, July 7, 2022

*Contact Lens Overview*, Children's Colorado Technician Meeting, November 18, 2022

*We Saw a Solution: Optimizing the EHR for Retinopathy of Prematurity*, Epic XGM Conference, May 2023

*How to Successfully Fit your patients with Down Syndrome and Keratoconus in Specialty Contact Lenses*, Global Down Syndrome Foundation, August 17, 2023

*ROP Tacking within Epic*, ROP Update 2024, May 31, 2024

*More kids being diagnosed as nearsighted*, Denver 9 News, August 19, 2024, <https://www.9news.com/video/news/health/73-9056310f-e2da-4bbd-9583-f2ecbddd60f0>

*Pediatric Best Practices and Myopia Management*, Lead Speaker, CooperVision Myopia Management Workshop, March 21, 2025

Scleral lenses improve visual outcomes in pediatric ocular surface disease and irregular astigmatism, Osier, William, McCourt, Emily, Engle, Melissa, ARVO, May 3, 2026

## **RESEARCH:**

Clinical Investigator for eye exams, Vertex study VX18-659-106, A Phase 3 Study Evaluating the Pharmacokinetics, Safety, and Tolerability of VX-659/TEZ/IVA Triple Combination Therapy in Cystic Fibrosis Subjects 6 Through 11 Years of Age, July 2018 – 2019.

Primary Investigator for Usefulness of the IrisVision head-mounted video low vision aid in young people with congenital or early onset visual impairment study, July 2019 – 2024.

Clinical Investigator, A Phase III Multicenter, Randomized, Double-Blind, Double-Dummy Study to Evaluate Safety and Efficacy of Ocrelizumab in Children and Adolescents with Relapsing-Remitting Multiple Sclerosis, July 2021 – 2025.

Clinical Investigator, WN42086 Operetta 2, A Phase III Multicenter, Randomized, double-blind, double-dummy study to evaluate safety and efficacy of ocrelizumab in comparison with fingolimod in children and adolescents with relapsing-remitting multiple sclerosis, December 2021 – 2025

## **PUBLICATIONS:**

Abbott K, Engle M, McCourt E. Case Report: Neurotrophic Ulcer Secondary to a Hypoplastic Trigeminal Nerve in a Three-Year-Old Boy. *Clinical Insights in Eyecare*. 2024;2(2).