

# CURRICULUM VITAE

Date Prepared: July 2026

Name (complete with degrees): Kourtney Houser, MD

Primary academic appointment: Duke University School of Medicine, Department of Ophthalmology  
Associate Professor

Primary academic department (not DUAP): Ophthalmology

Secondary appointment (if any) - (department): Faculty Director, Op Tech training program, Program Director,  
Cornea Fellowship Program

Present academic rank and title (if any): Associate Professor

Medical Licensure: North Carolina License # 2021-01303

Specialty certification(s) and dates (Month/Day/Year): ABO Certified 06/10/2018 until 12/31/2028

| Education:                            | <u>Institution</u>                                                         | <u>Date (Year)</u> | <u>Degree</u>                                                |
|---------------------------------------|----------------------------------------------------------------------------|--------------------|--------------------------------------------------------------|
| College                               | <u>University of Tennessee, Knoxville, TN</u>                              | <u>2004-2008</u>   | <u>Bachelor of Science,</u><br><u>Biomedical Engineering</u> |
| Graduate or<br>Professional<br>School | <u>University of Tennessee Health Science Center</u><br><u>Memphis, TN</u> | <u>2008-2012</u>   | <u>Doctor of Medicine</u>                                    |

| <u>Institution</u>                                     | <u>Position/Title</u>                                                             | <u>Dates</u>          |
|--------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------|
| <u>University of Tennessee Health Science Center</u>   | <u>Preliminary Medicine Resident</u>                                              | <u>7/2012-7/2013</u>  |
| <u>University of Tennessee, Hamilton Eye Institute</u> | <u>Ophthalmology Resident</u>                                                     | <u>7/2013-7/2016</u>  |
| <u>Baylor College of Medicine</u>                      | <u>Cornea, Cataract, Anterior Segment</u><br><u>and Refractive Surgery Fellow</u> | <u>7/2016- 7/2017</u> |

## Publications

### 1. Refereed journals:

1. Speich HE, Bhal V, **Houser KH**, Caughran AT, Lands LT, Houg AK, Backstrom J, Enerback M, Reed GL, Jennings LK. Signaling via P2Y12 May be Critical for Early Stabilization of Platelet Aggregates. J Cardiovasc Pharmacol. 2014 Jun;63(6): 520-7. PMID 24477045

2. Huddleston SM, **Houser KH**, Walton RC. Thalidomide for recalcitrant nodular scleritis in sarcoidosis. JAMA Ophthalmol. 2014 Nov;132(11):1377-9. PMID 25078792
3. Fox AR, **Houser KH**, Morris WR, Walton RC. Dematiaceous fungal endophthalmitis: report of a case and review of the literature. Journal of Ophthalmic Inflammation and Infection. 2016;(6):43. PMID 27822745, PMCID. PMC5099294
4. Houser KH, Weikert M, Al-Mohtaseb ZN. Perioperative Imaging in Corneal Surgery (Intraoperative and Postoperative). International Ophthalmology Clinics. Summer 2017. 57(3): 87-98. PMID 28590283
5. Dryden SC, Rho JE, Fowler SC, Gannon EW, **Houser KH**, Fleming JC, Fowler BT. Postoperative Clinical Outcomes Using Standard Variables Following Levator-Mullerectomy Advancement Blepharoptosis Surgery. J Craniofac Surg. 2021 Sept 1;32(6):e554-e556. PMID: 33606440
6. Le NT, Marshall B, **Houser KH**, Khandelwal S. Combined Pars Plana Vitrectomy, Phacoemulsification and Intraocular Lens Implantation: A review on the Advantages and Limitations of Phacovitrectomy. touchREVIEWS in Ophthalmology. 2022;16(1):8-12 DOI: <https://doi.org/10.17925/USOR.2022.16.1.8>
7. Duncan NW, **Houser KH**, Khandelwal SS. Neurotrophic Keratitis: A Review. touchREVIEWS in Ophthalmology. 2022;16(2). DOI: <https://doi.org/10.17925/USOR.2022.16.2.67>
8. Wong BM, Bonnet C, Ghaffari R, **Houser K**, DeMatteo J, Lau N, Aldave AJ. Fungal Infection After Descemet Membrane Endothelial Keratoplasty: Incidence and Outcomes. Cornea (2022): 10-1097. PMID 36731080
9. Tian J, Peraita E, **Houser K**. An Update on Advances in Diagnosis and Treatment of Acanthamoeba Keratitis. touchREVIEWS in Ophthalmology. 2022;16(22):72-5 DOI: <https://doi.org/10.17925/USOR.2022.16.2.72>
4. Robbins JO, Houser KH, Dermarkarian CR. Primary treatment of advanced ocular surface and adnexal squamous cell carcinoma with intravenous cemiplimab. Orbit. 2024 Dec 18:1. doi: 10.1080/01676830.2024.2439333. Epub ahead of print. PMID: 39693044.
5. Robbins J, , Sura A, Woodward J, Houser K, Lee I, Dermarkarian C. Bilateral upper lid symblepharon following posterior approach ptosis surgery: A case report and review of the literature. Orbit. Accepted July 2025.
6. Peralta E, Houser K. Anti-inflammatory treatments in microbial keratitis. Saudi J Ophthalmol. 2026 Jun 9;40(2):139-144. doi: 10.4103/sjopt.sjopt\_28\_26. PMID: 42376308; PMCID: PMC13313656.

## 2. Chapters in books:

1. **Houser K**, Duncan J, Weikert MP, Al-Mohtaseb A. “Learning the Yamane Technique: Pearls and Pitfalls.” Advanced IOL Fixation Techniques. Strategies for compromised or missing capsular support. Ed. David F. Chang. Associate Ed. Amar Agarwal, Bryan S. Lee. Slack Incorporated, 2019.
2. Wang L, **Houser KH**, Koch DD. “Intraocular Lens Power Calculations”. Ophthalmology. Ed. Yanoff, M. Ed. Duker, JS. Edinburgh: Elsevier Saunders, 2019. 342-348.
3. **Houser KH**, Pflugfelder SC. Approach in the surgical patient, In: *Dry Eye Disease: An Up-to-Date Practical Guide*, Mah F, Rhee M ed. Slack Incorporated, 2019.
4. McGuffey D, Hackett N, Basti S, **Houser K**. “Preparation of the Cataract Patient.” Steinert’s Cataract Surgery, 4th edition. Ed. Garg S, Koch D. Elsevier, 2023.

## 3. Non-refereed publications:

1. **Houser KH**. A Game-Changing Transition. Millennial Eye. Sept/Oct 2018.
2. **Houser KH**, Ofori D. Innovations in Toric IOLs. Editorial Spotlight. Cataract and Refractive Surgery Today. February 2019.

3. Kiernan C, **Houser KH**, Freeman JM. The eighth cut is the deepest. Cataract surgery in post-radial keratotomy eyes. *Ophthalmology Management*. November 2019.
4. Ayres BD, Chee SP, Crandall DA, **Houser KH**, Khalifa YM. Counting Fingers Visual Acuity After Laser Cataract Surgery. *Cataract Surgery Case Files. Cataract Refractive Surgery Today*. March 2020.
5. **Houser KH**. New methods for treating inflammation. Advancements in technology allow for options in the perioperative period and beyond. *Ophthalmology Management*. 1 May 2020.
6. **Houser KH**, Mirza TS, Rosenberg ED, Wong JXH. Things That Can Go Wrong at the End of a Perfect Phacoemulsification. Editorial Spotlight, *Cataract Refractive Surgery Today*. July 2021.
7. **Houser K**. Understanding the latest in IA. *Ophthalmology Management*. September 2021.
8. **Houser KH**. The Post-Surgical Irritated and Dry Eye: What's in My Tool Box? The Cornea and Ocular Surface. *Ophthalmology Management*. November 2021.
9. **Houser KH**, Venkateswaran N. How do you deal with neuroadaptation problems with a presbyopia correcting lens? *Ocular Surgery News*. December 2021.
10. **Houser KH**, Matossian C. How to do a better job incorporating dry eye testing in your practice. *Ocular Surface News, Ophthalmology Management*. February 16, 2022.
11. Tang A, Venkateswaran N, **Houser K**. Devices Expand Options for Taming Dry Eye. *Ophthalmology Management*. April 2023.
12. Garson N, Houser K. Clearing Up Corneal Haze. *Corneal Physician*. April 2024.

#### 4. Position, and background papers

- i. Fram NR, Safran SG, Pratte E, Sheybani A, Agarwal A, **Houser K**, Garg S, Schoen M. Iris defect management in the context of presbyopia-correcting intraocular lenses. *J Cataract Refract Surg*. 2024 Aug 1;50(8):889-894. doi: 10.1097/j.jcrs.0000000000001506. PMID: 39083409.

#### 5. Other

1. Lasik: How Safe is it? Duke Health Blog. August 2021.
2. Stodola E. Identifying EBMD: Looking for blurry vision and other signs. Refractive section Eyeworld. Contributor. December 2021.
3. Hillman L. Amniotic membrane: when it is useful vs. overused. Eyeworld. Contributor. April 2023.
4. Amniotic membrane: when it's useful vs. overused. Eyeworld. April 2023.
5. Biggers L. Glasses-Free After PRK Surgery at Duke. Duke Health Blog. August 2023.
6. DePeau-Wilson, Michael. What to Know About Ongoing Eye Drop Recalls. Contributor. MedpageToday. November 2023.
7. Biggers L. When to See Your Doctor for Dry Eye. Duke Health Blog. November 2023.
8. Hunter L. How to Succeed with the New Triple Procedure. *Review of Ophthalmology*. 10 March 2024.
9. LASIK: What You Need to Know. Duke Health Blog. July 2024.
10. Gillotti C. LASIK Restores Distance Vision for Raleigh Woman. Duke Health Blog. Feb 2025.

Professional awards and special recognitions:

1. Kirk R. Wilhelmus, M.D. Award, Baylor College of Medicine, Houston, TX (2017)
2. "One to Watch" feature for Millennial Eye. (July-August 2018)
3. Bloomberg/Berkeley Young Ophthalmologist Attendee Award. Caribbean Eye Meeting (2018)
4. Roger L. Hiatt, MD Award for resident instruction and academic development. (2019)
5. Ophthalmology Management 40 under 40 (2022)
6. Best Mentor Ophthalmic Technician Program 2022
7. American Academy of Ophthalmology Achievement Award (2023)

Editorial Experience

1. Editorial Boards
  1. touchREVIEWS in Ophthalmology
2. Ad Hoc scientific review journals
  1. American Journal of Ophthalmology Case Reports
  2. Journal of Refractive Surgery
  3. Journal of Cataract and Refractive Surgery
  4. Journal of Cataract and Refractive Surgery Online Case Reports
  5. Asia-Pacific Journal of Ophthalmology
  6. Clinical and Experimental Ophthalmology
  7. Eye & Contact Lens
  8. Lasers in Medical Science
3. Guest Editor
  1. Section Editor Current Ophthalmology Reports, Cornea section, Volume 10 Issue 4 (2022)
  2. Corneal Physician, November 2023
  3. Ophthalmology Management Ocular Surface Disease May 2024

Organizations and participation: (Offices held, committee assignments, etc.)

|                                                                   |                |
|-------------------------------------------------------------------|----------------|
| American Academy of Ophthalmology                                 |                |
| Reviewer, Cataract Subcommittee, Annual Meeting Program Committee | (2018-current) |
| EyeWiki Cataract and Anterior Segment Editor                      | (2019-current) |
| Cataract Subcommittee, Annual Meeting Program Committee           | (2023-current) |
| American Society of Cataract and Refractive Surgery               |                |
| Challenging and Complicated Cataract Surgery Subcommittee         | (2019-current) |
| Young Eye Surgeons (YES) Clinical Committee, Chair                | (2020-current) |
| Nominations Committee                                             | (2021-current) |
| Leadership Committee                                              | (2026-current) |
| Cedars Aspen Society                                              |                |
| Member                                                            | (2020-current) |
| Board Member                                                      | (2021-2026)    |
| CorneaGen                                                         |                |
| Medical Advisory Board                                            | (2025-current) |
| Southern Eye Congress                                             |                |
| Co-Chair of Annual Meeting                                        | (2020-2021)    |
| APEX Cornea Society                                               | (2018-current) |
| SEE- Society for Excellence in Eye Care                           |                |
| Member                                                            | (2018-current) |
| AECOS- American-European Congress of Ophthalmic Surgery           |                |
| Member                                                            | (2018-current) |
| Cornea Society                                                    |                |
| Member                                                            | (2016-current) |
| World Cataract Foundation                                         |                |
| Instructor                                                        | (2017-2021)    |

Mentoring activities

1. Faculty- mentored junior faculty at Hamilton Eye Institute (2020-2021) when served as Vice Chair for Clinical Operations.
2. Fellows, doctoral, post docs
  1. 2018-2019 Daniel Ofori, MD Clinical Cornea/Anterior Segment Fellow  
Hamilton Eye Institute, Memphis, TN
  2. 2019 Poonam Lavaju MD International Research Fellow from Nepal  
Hamilton Eye Institute, Memphis, TN
  3. 2019-2020 Michael Wallace, MD Clinical Cornea/Anterior Segment Fellow  
Hamilton Eye Institute, Memphis, TN
  4. 2019-2023 Gareth Jones Mentored prior to application to medical school  
Ophthalmology July/August 2023
  5. 2020-2021 Aaron Ashe, MD Clinical Cornea/Anterior Segment Fellow  
Hamilton Eye Institute, Memphis, TN
  6. 2021-2022 Sarah Bonaffini, DO Cornea/Anterior Segment Fellow  
Hamilton Eye Institute
  7. 2021-2022 Brent Kramer, MD Cornea Fellows- Duke University  
Ellis Wisely, MD  
Kyle McKey, MD
  8. 2022 Duke Cornea Course Course Director. 19 fellows, 5 duke residents  
April 2022
  9. 2022-2023 Kevin Jackson, MD  
Andrew Bowman, MD  
Alex Snyder, MD
  10. 2023-2024 Nickolas Garson, MD Cornea fellows- Duke University  
Bonnie Sklar, MD  
James Tian, MD
  11. 2024-2025 Spencer Harris, MD Cornea fellows- Duke University  
Steve Carrubba, MD  
Rami Gabriel, MD
  12. 2025 Duke Cornea Course Course Director. 33 attendees  
February 2025
  13. 2025-2026 Cason Robbins, MD Cornea fellows- Duke University  
Kayla White, MD  
MacGregor Hall, MD
  14. 2026 Duke Cornea Course Course Director  
March 2026
3. Resident
  1. 2022-current Course Director: Second year CSE cataract surgery course  
Ft. Worth, Texas
  2. 2023-2026 Faculty: Third year CSE cataract/refractive surgery course  
Dublin, CA
  3. 2021-current Resident mentor at Duke

- Durham, NC  
4. 2017-2021 Resident mentor at Hamilton Eye Institute  
Memphis, TN

Education / Teaching activities (Residents, Medical students, CME)

1. Development of courses/educational programs
  1. 2017-2021: Created curriculum and lectures for cornea/cataract/refractive lectures at UT Hamilton Eye Institute.
  2. 2018-2020: Created OKAP review material and exams at UT Hamilton Eye Institute.
  3. 2018-2020: Lecture on oral board preparation and give practice sessions integrated in didactic curriculum at UT Hamilton Eye Institute.
  4. 2018-2021: Hamilton Eye Institute- Designed, directed and supervised cataract surgery curriculum in wet lab and various clinical sites. Gave all lectures for didactic wet lab training and supervised all wet labs. Integrated industry representatives and new technology in to most wet labs.
  5. 2021-2026: Course Director of Controversies in Cornea and Cataract Surgery at the Duke Eye Center. Directed sponsorships, schedule and logistics of CME course.
  6. 2021-2025: Developed/planned the inaugural Duke Cornea Fellow Course in April 2022. Didactics and wet lab for cornea, anterior segment and complex cataract surgery were included with 4 visiting faculty and 19 fellows in 2022, expanded to 7 visiting faculty and 30 fellows in 2024. Designed course curriculum, invited fellow attendees, applied for and awarded grand funding as well as industry sponsorships to fund course and fellow travel to attend. Directed and facilitated course.
2. Development of assessment tools and methods
  1. 2019-2021: UT Hamilton Eye Institute: implemented rubric for grading wet lab and surgical skills for teaching and supervising cataract surgery.
3. Education management/ Leadership
  1. 2019-2021- UT Hamilton Eye Institute: directed wet lab. Designed and oversaw curricula, lectures and overall maintenance of the wet lab
  2. 2022- current: Ophtech training program faculty director  
Helped implement evaluation form for rotations for students to evaluate mentors
  3. 2023-current: Director of second year Alcon CSE wet lab course in February every year. 40 residents attend for 2 full day course of didactics and wet lab instruction in cataract, refractive and anterior segment surgery. Design curriculum, invite faculty, assign lectures and coordinate wet lab stations.
  4. 2021-current: Course Director of Controversies in Cornea and Cataract Surgery
  5. 2021-current: Course Director of Duke Cornea Fellow Course
  6. 2023-current: Co-Director for ASCRS YES DALK wet lab: helped develop curriculum/equipment list, invited instructors, helped lead instruction for attendees.
  7. 2024-current: Duke Cornea Fellowship Director

Invited Lectures and Presentations

- i. Visiting Professorships
  1. **Houser KH.** Evolution of Corneal Transplant. Visiting Grand Rounds Lecturer, Case Western. July 2018.
- ii. International Meetings
  1. **Houser KH.** Smoldering Post-Lasik Keratitis. Caribbean Eye Meeting, February 2020.
- iii. National Scientific Meetings (invited)
  1. **Houser KH.** Fungal Keratitis following Descemet Membrane Keratoplasty. Aspen Cornea Society 38<sup>th</sup> Annual Meeting. Aspen, CO. February 2018.
  2. **Houser KH.** Yamane Basics. AECOS Summer Symposium. July 2018.
  3. **Houser KH.** Evolution of Corneal Transplant. ASCRS ASOA Combined Ophthalmic Symposium ASORN. August 2018.

4. **Houser KH.** Interesting Cornea Problems. Aspen Cornea Society 39<sup>th</sup> Annual Meeting. Aspen, CO. February 2019.
5. **Houser KH.** The Great Debate Session: DSAEK vs. DMEK. Millennial Eye Live, September 2019.
6. **Houser K.** Refractive Bachelor. 2021 American Society of Cataract and Refractive Surgery, American Society of Ophthalmic Administrators (ASCRS-ASOA) Annual Meeting in Las Vegas, NV. 26 July 2021.
7. **Houser K.** Down-Low on Dry Eye. Panelist. Cedars Aspens Meeting. December 2021.
8. **Houser K.** Yes CC Symposium- Complications by Proxy. “Yamane Challenges.” American Society of Cataract and Refractive Surgery Annual Meeting. Las Vegas, NV. 24 July 2021.
9. Lovett RH, Nix GC, Eshun E, Kim J, **Houser K**, Ditta LC, Kerr NC. Etiologies of adult and pediatric band keratopathy at a tertiary referral center. Paper presentation 2021 American Society of Cataract and Refractive Surgery Annual Meeting. Las Vegas, NV. 24 July 2021.
10. **Houser K.** Fungal Keratitis after DMEK. AECOS Summer Symposium. Deer Valley, Utah. July 2022.
11. **Houser K.** Acanthamoeba Keratitis. Kiawah Eye. June 2022.
12. **Houser K.** Update in Cataract and Refractive Diagnostics. Kiawah Eye. June 2022.
13. **Houser K.** Ocular Surface Disease: Tried and True. American Society of Cataract and Refractive Surgery Summer Meeting. August 2022.
14. **Houser K.** IOLs in glaucoma patients. Duke glaucoma fellow course. Chicago September 2022.
15. **Houser K.** Keratoconus Diagnostics: IKA Keratoconus Symposium. Scottsdale, AZ April 2023.
16. **Houser K.** Good to Great Surgeon. American Society of Cataract and Refractive Surgery. May 2023.
17. **Houser K.** Refining your Game: How I have evolved for the better. Kiawah Eye. June 2023.
18. **Houser K.** Bilateral Acute Depigmentation of the Iris. Kiawah Eye. June 2023.
19. Tian J. **Houser KH.** Development of a Novel Lens Power Calculation for Yamane Lens Fixation. American Society of Cataract and Refractive Surgery 2023.
20. Jackson K. **Houser KH.** Comparing perioperative complications and visual outcomes between early (<6 months) and late IOL exchange for optical indications. American Society of Cataract and Refractive Surgery 2023. **Best Paper of Session.**
21. Robbins C. Tian J. Mousa H. Jackson K, Peters K. **Houser K.** Incidence and outcomes of uveitis-glaucoma-hyphema syndrome after scleral-fixated intraocular lens implantation. American Society of Cataract and Refractive Surgery 2023. **Best Paper of Session.**
22. Houser K. Dry Eye Toolbox. American Society of Cataract and Refractive Surgery Summer Meeting. Nashville, TN. August 2023.
23. Houser K. Cornea Case Presentation: Challenging Surgical Case Presentations. American Society of Cataract and Refractive Surgery Summer Meeting. Nashville, TN. August 2023.
24. Tian J, Sklar BA, Garson NK, Gabriel RS, Williams LB, **Houser KH.** The Effect of Topical Losartan on Corneal Stromal Scarring, a Clinical Experience. American Society of Cataract and Refractive Surgery Annual Meeting: 2024.
25. Robbins C, Jackson K, Tian J, Kim T, **Houser K.** Management and Follow-up of Postoperative Complications after Yamane Lens Implantation. American Society of Cataract and Refractive Surgery Annual Meeting: 2024.
26. **Houser K.** X-Rounds. Kiawah Eye. June 2024.
27. **Houser K.** Hot Topics in Cornea. Kiawah Eye. June 2025.
28. **Houser K.** How to perform an enhancement when we haven’t met our mark. Kiawah Eye. June 2025.
29. **Houser K.** Complex anterior segment panel. Moderator. Sunshine Eye. March 2026.
30. **Houser K.** Pinhole lens in an irregular cornea. Kiawah Eye. June 2026.

iv. Instructional Courses, workshops, symposiums (National)

1. **Houser KH.** “Controversies in Eye banking: Post-keratoplasty Fungal infections.” Mini-symposium at 2018 Cornea and Eye Banking Forum.
2. Khandelwal, SS. **Houser KH.** Breakfast with the Experts: Integrating Dry Eye into Clinical Practice. AAO 2018.
3. **Houser KH.** Improving Your Presentation Prowess. ASCRS Symposium: Mastering It All: Tips for Success from Successful Female Leaders. ASCRS, May 2019.

4. Advanced Phaco Skills Transfer Lab. Instructor. ASCRS, May 2019.
5. Iris Suturing Skills Transfer Lab. Instructor. AAO 2019.
6. Advanced Endothelial Keratoplasty (DSAEK/DMEK): Overview and Surgical Pearls. Instructor. AAO 2019.
7. CorneaGen DMEK Skills Transfer Course. Instructor. ASCRS COS 2019.
8. **Houser KH**. "Case Discussion: Patient wants Presby IOL but has glaucoma." AECOS Summer Webinar Series: AECOS America Session 2. 9 July 2020.
9. **Houser KH**. "Considerations When Correcting Astigmatism." Informed Consent Podcast; Episode 33. BMC. 17 August 2020.
10. **Houser KH**. "Top 3 Pearls in Cataract Surgery Webinar." ASCRS. September 25 2020.
11. **Houser KH**, Chu YR, Solomon JD, Al-Mohtaseb Z. Surgical Planning, Biometry and Mastering Outcomes. Young MD Connect webinar. April 2021.
12. **Houser KH**, Perez-Straziota C. ASCRS Resident Roundtable. Managing Dissatisfied Patients after Cataract Surgery. April 2021.
13. **Houser KH**, Mamalis N, Raju L, Arshinoff S, Perez-Straziota C, Nayer Z, Belyea D, Andrews HW. ASCRS Journal Club. June 2021.
14. **Houser K**. Yamane Challenges. YES CC Symposium- Complications by Proxy. 2021 American Society of Cataract and Refractive Surgery, American Society of Ophthalmic Administrators (ASCRS-ASOA) Annual Meeting in Las Vegas, NV. 24 July 2021.
15. Weng C, Mayer M, Khandelwal S, **Houser K**. Stage it or Combine it? Complex cornea, cataract and retina cases. Instructional course lead. American Society of Cataract and Refractive Surgery, American Society of Ophthalmic Administrators (ASCRS-ASOA) Annual Meeting in Las Vegas, NV. 24 July 2021.
16. DALK Wet lab. 2021 American Society of Cataract and Refractive Surgery, American Society of Ophthalmic Administrators (ASCRS-ASOA) Annual Meeting in Las Vegas, NV. 25 July 2021.
17. **Houser, KH**, Perez-Straziota C, Schallhorn J, Al-Mohtaseb Z. Cornea Lumps, Bumps and Bruises Course. American Society of Cataract and Refractive Surgery, American Society of Ophthalmic Administrators (ASCRS-ASOA) Annual Meeting in Las Vegas, NV. 25 July 2021.
18. **Houser K**, Weikert M. Cataract Surgery Essentials Symposium Panelist. 2021 American Society of Cataract and Refractive Surgery, American Society of Ophthalmic Administrators (ASCRS-ASOA) Annual Meeting in Las Vegas, NV. 26 July 2021.
19. **Houser KH**, Meghpara B, Beshad S, Venkateswaran N, Wu C. Virtual Interviews: Keys to Success. YES Connect Webinar. September 2021.
20. **Houser KH**, Rao Naveen, Haugsdal, Jaclyn, Diel, Ryan, Mortensen, Zachary. ASCRS Grand Rounds. 6 December 2021.
21. Lead instructor phaco wet lab YES. American Society of Cataract and Refractive Surgery Annual Meeting. April 22 2022.
22. Good to Great Surgeon. YES Panelist. American Society of Cataract and Refractive Surgery Annual Meeting. April 23 2022.
23. YES Tools for Survival. YES Panelist. American Society of Cataract and Refractive Surgery Annual Meeting. April 23 2022.
24. DALK wet lab instructor. American Society of Cataract and Refractive Surgery Annual Meeting. April 24 2022.
25. DMEK wet lab instructor. American Society of Cataract and Refractive Surgery Annual Meeting. April 23 2022.
26. Surgical and Pharmacological Approaches to Presbyopia Management. Panelist. American Society of Cataract and Refractive Surgery Annual Meeting. April 25 2022.
27. Weng C, Mayer M, Snyder M, Ogawa G, Khandelwal S, **Houser K**. Stage it or Combine it? Complex cornea, cataract and retina cases. Instructional course lead. American Society of Cataract and Refractive Surgery, American Society of Ophthalmic Administrators (ASCRS-ASOA) Annual Meeting. 25 April 2022.
28. **Houser, KH**, Al-Mohtaseb Z, Khandelwal, SS. Cornea Lumps, Bumps and Bruises Course. American Society of Cataract and Refractive Surgery, American Society of Ophthalmic Administrators (ASCRS-ASOA) Annual Meeting. 26 April 2022.

29. **Houser KH.** Presbyopia Symposium: Presbyopia and Ocular Surface Disease. ASCRS Summer Meeting. August 2022.
30. **Houser KH.** Ophthalmology Quicksand Chronicles Podcast guest episode: Scleral fixation of intraocular lenses. American Society of Cataract and Refractive Surgery. Episode 4, 2022.
31. Cornea Physician Video Channel. Procedural Dry Eye Treatments. Part 11. 2022.
32. **Houser K.** Hiding in Plain Sight: Conjunctival Concretions. Cornea Case Session. OSN NY. November 2022.
33. **Houser K.** Making the Uncomfortable Comfortable: Strategies for Managing complex Cases and Advanced Technology IOLs Part II. Capsule Tension Rings and Segments. American Society of Cataract and Refractive Surgery San Diego. May 2023.
34. **Houser KH,** Perez-Straziota C, Schallhorn J, Al-Mohtaseb Z, Khandelwal S. Cornea Lumps, Bumps and Bruises Course. American Society of Cataract and Refractive Surgery San Diego. May 2023.
35. Weng C, Vasavada A, Mayer M, Snyder M, Ogawa G, Khandelwal S, **Houser K.** Stage it or Combine it? Complex cornea, cataract and retina cases. **Instructional course lead.** American Society of Cataract and Refractive Surgery San Diego. May 2023.
36. **Houser K.** Dry eye roundable group discussion. American Society of Cataract and Refractive Surgery San Diego. May 2023.
37. **Houser K.** Syed Z, Venkateswaran N, Bleeker A. American Society of Cataract and Refractive Surgery Virtual Grand Rounds. June 2023.
38. **Houser K.** Urgency in keratoconus management: early detection can prevent vision loss. IKA Keratoconus Symposium. Bethesda, MD. May 2024.
39. **Houser K.** Cataract surgery in keratoconus 1: Diagnostic considerations before the OR. IKA Keratoconus Symposium. Bethesda, MD. May 2024.
40. **Houser K.** Cataract surgery in keratoconus 2: Surgical considerations IN the OR. Bethesda, MD. May 2024.
41. **Houser K.** Cataract surgery in patients with keratoconus. IKA Keratoconus Symposium. Bethesda, MD. 2025.
42. **Houser K.** Ophthalmology Quicksand Chronicles: Pro Moves. Panelist. American Society of Cataract and Refractive Surgery. April 2026.
43. **Houser K.** YES Toolkit for Job Success Symposium. Moderator. American Society of Cataract and Refractive Surgery. April 2026.
44. **Houser K.** Surgical Resilience- Bouncing Back from the Unexpected Video Symposium. Moderator. American Society of Cataract and Refractive Surgery. April 2026.
45. **Houser K,** Khandelwal S, Perez C. Cornea Lumps, Bumps and Bruises Course. American Society of Cataract and Refractive Surgery. April 2026.
46. **Houser K.** DALK wet lab. Co-lead Instructor. American Society of Cataract and Refractive Surgery. April 2026.

v. Posters (National meeting)

1. **Houser K,** Leisy H, Huddleston S, Walton RC. Switching Tumor Necrosis Factor Alpha Antagonists in Patients with Scleritis. Poster presentation. Investigative Ophthalmology & Visual Science June 2013, Vol 54, 2538.
2. **Houser KH.** Hamill, MB. Weikert MP. Wang L. Golla A. Guimaraes de Souza R. Al-Mohtaseb Z. Determinants of Visual Stability following Descemet Membrane Endothelial Keratoplasty. Paper presentation. ASCRS meeting 2017. Los Angeles, California. May 2017.
3. **Houser KH.** Determinants of Visual Quality and Stability after Descemet Membrane Endothelial Keratoplasty. Poster. Millennial Eye. Nashville, TN. September 2017.
4. **Houser KH,** Weikert MP, Golla A, Guimaraes de Souza R, Montes De Oca Gonzalez I, Hamill MB, Al-Mohtaseb Z. Determinants of Visual Quality and Stability after Descemet Membrane Endothelial Keratoplasty. Paper presentation ASCRS meeting 2018. Washington DC. April 2018.
5. **Houser KH,** DeMatteo J, Hamill MB, Price M, Price F, Gorovoy M, Baratz K, Vislislis J, Ayers B, Aldave A. Incidence and Outcomes of Fungal Infections Following Descemet Membrane Endothelial

Keratoplasty. AAO Paper Presentation October 2018.

6. Go JA, Igbinoba RU, Chamberlain PD, **Houser KH**, Khandelwal SS. Characterizing Salzmann Nodular Degeneration Following Laser in Situ Keratomileusis Treatment with a Dual Scheimpflug Analyzer. Poster presentation, ASCRS, May 2019.
7. Patel R, **Houser KH**. Proliferation of Lenticular Epithelium Cells Masquerading as an Anterior Chamber Mass. Paper Presentation, ASCRS, May 2019.
8. Hui L, Aggarwal S, Snyder A, **Houser K**. Variables Affecting the Presentation and Follow-up of Corneal Ulcers Diagnosed in the Emergency Department. ASCRS 2022.
9. Liu K, Pan E, Zhu M, Allen A, **Houser K**. Prediction of Visual Outcomes by Pentacam Indices in Irregular Corneas with Small-Aperture Intraocular Lens. ASCRS 2026.
10. Choi A, **Houser K**. Phototherapeutic Keratectomy Vs Diamond Burr Superficial Keratectomy for Recurrent Erosions: A Comparative Study. ASCRS 2026.

vi. Regional presentations and posters

1. **Houser KH**. March 2018. The Evolution of Cataract Surgery. Montgomery/Cochran Joint Meeting. March 2018.
2. **Houser KH**. Management of Aphakia with Secondary Intraocular Lens. UT Hamilton Eye Institute Clinical Update Meeting. April 2018.
3. **Houser KH**. Cross-Linking for Keratoconus, Managing Patient Expectations, ASCRS Membership Benefits. ASCRS Roadshow New Orleans. February 2020.
4. **Houser KH**. Intraocular Lens Options for Cataract Surgery. Controversies in Cornea and Cataract Surgery 2022. Duke Eye Center. April 2022.
5. **Houser KH**. Ocular surface disease and cataract surgery. Duke University Eye Center Latin American Conference Ocular Surface Symposium. August 18, 2022.
6. **Houser KH**. Cataract Surgery in Patients with Corneal Disease. Lecture to COS service. August 2022.
7. **Houser KH**. Cataract Surgery in Patients with Corneal Disease. Arrington Open House. September 2022.
8. **Houser KH**. Herpesvirus Keratitis. NCSEPS. September 2022.
9. **Houser KH**. Intraocular Lens Options for Cataract Surgery. Controversies in Cornea and Cataract Surgery 2023. Duke Eye Center. February 2022.
10. **Houser KH**. Procedural Dry Eye Treatment. Nashville Society of Ophthalmology invited lecturer. Feb 2023.
11. **Houser KH**. Lens Options for Cataract Surgery. Controversies in Cornea and Cataract Surgery 2023. Duke Eye Center. February 2023.
12. **Houser KH**. Lens Options for Cataract Surgery. Controversies in Cornea and Cataract Surgery 2024. Duke Eye Center. February 2024.
13. **Houser KH**. Cataract Surgery in Patients with Corneal Disease. Controversies in Cornea and Cataract Surgery 2025. Duke Eye Center. February 2025.
14. **Houser KH**. Cataract Surgery in Patients with Corneal Disease. Controversies in Cornea and Cataract Surgery 2026. Duke Eye Center. February 2026.
15. **Houser KH**. Premium Lenses in Imperfect Corneas. Connecticut Eye Society. June 2026.
16. **Houser KH**. Cornea Transplants Today and Tomorrow. Connecticut Eye Society. June 2026.

Participation in academic and administrative activities of the University and Medical Center

i. Committees

- a. Optometrist Faculty Search Committee 2022
- b. Resident Selection Committee 2022
- c. Glaucoma Faculty Search Committee 2023
- d. Interviewer for Vice Dean of Education 2024

ii. Leadership positions

- a. Faculty/Medical Director: Ophtec Training Program
- b. Cornea Fellowship Program Director