Christopher J Brady MD MHS

111 Colchester Avenue

Main Campus, West Pavilion, Level 5

Burlington, Vermont 05401

cbrady3@uvm.edu

802-847-0400

**Current Positions:**

**University of Vermont Larner College of Medicine & Medical Center**, Burlington, VT

Assistant Professor Ophthalmology: Retina Division, August 1, 2017 to present

**Wilmer Eye Institute Johns Hopkins University School of Medicine**, Baltimore, MD

Adjunct Assistant Professor Ophthalmology:Retina Division, August 1, 2017 to present

**Prior Position:**

**Wilmer Eye Institute Johns Hopkins University School of Medicine**, Baltimore, MD

Assistant Professor Ophthalmology:Retina Division, August 1, 2014 to July 31, 2017

**Education and Training:**

**Johns Hopkins Bloomberg School of Public Health**, Baltimore MD

Master of Health Science in Clinical Epidemiology, December 30, 2016

**Wills Eye Hospital – Mid Atlantic Retina,** Philadelphia, PA

Fellowship in Vitreoretinal Medicine and Surgery, July 2, 2012 to July 3, 2014

**Wills Eye Institute – Thomas Jefferson University School of Medicine,** Philadelphia, PA

Residency in Ophthalmology, July 1, 2009 to June 25, 2012

**Johns Hopkins Bayview Hospital,** Baltimore, MD

Internship in Internal Medicine, July 1, 2008- June 30, 2009

**Johns Hopkins University School of Medicine,** Baltimore, MD

Doctor of Medicine, May 22, 2008

**Columbia College, Columbia University,** New York, NY

Bachelor of Arts in Biological Sciences, May 16, 2001

**Original Articles (reverse chronology):**

1. Tsou B, Kong J, Bressler SB, **Brady CJ**, Meyerle CB, Sachdeva M, Scott AW, Wenick AS, Zebardast N, Bressler NM. Visual Acuity with Habitual Correction using ETDRS Chart vs. Protocol Refraction and electronic ETDRS Chart in Diabetic Macular Edema. *Manuscript in preparation*
2. Eghrari AO, Bishop RJ, Ross RD, Davis B, Larbelee J, Amegashie F, Dolo RF, Prakalapakorn SG, Gaizie C, Gargu C, Sosu Y, Sackor J, Cooper PZ, Wallace A, Burkholder B, **Brady CJ**, Ray V, Tawse KL, Yeung I, Neaton JD, Higgs ES, Lane HC, Reilly C, Sneller MC, Fallah MP. Characterization of Ebola eye disease: Baseline cross-sectional evaluation of the PREVAIL III Eye Substudy. *Manuscript in preparation*
3. Peavey JJ, D’Amico S, Kim BY, Friedman DS, **Brady CJ**. Social and demographic factors contributing to poor follow-up for diabetic retinopathy examinations of a rural population. *Manuscript in preparation*
4. Tsou BC, Liu TYA, Kong J, Bressler SB, Arevalo JF, **Brady CJ**, Handa JT, Meyerle CB, Scott AW, Wenick AS, Bressler NM. Patient Use of Dietary Supplements, Home Monitoring, or Genetic Testing for Non-neovascular Age-Related Macular Degeneration. *Manuscript in preparation*
5. Horton MB,\* **Brady CJ**,\* Cavallerano J, Abramoff M, Barker G, Blodi B, Chiang M, Crockett C, Garg S, Karth P, Liu Y, Maloney K, Newman C, Rathi S, Rosenson A, Sheth V, Silva PS, Stebbins K, Zimmer-Galler I \*Joint First Authors. Practice Guidelines for Ocular Telehealth-Diabetic Retinopathy, 3rd Edition. Telemed J E Health. 2020 Mar 16. doi: 10.1089/tmj.2020.0006. [Epub ahead of print]
6. **Brady CJ**, D’Amico S, Campbell JP. Telemedicine for Retinopathy of Prematurity. Telemed J E Health. 2020 Mar 16. doi: 10.1089/tmj.2020.0010. [Epub ahead of print]
7. **Brady CJ**, Garg S. Telemedicine for Age Related Macular Degeneration. Telemed J E Health. 2020 Mar 16. doi: 10.1089/tmj.2020.0011. [Epub ahead of print]
8. Abramoff MD, Leng T, Ting DSW, Rhee K, Horton MB, **Brady CJ**, Chiang M. Automated and Computer Assisted Detection, Classification and Diagnosis of Diabetic Retinopathy. Telemed J E Health. 2020 Mar 16. doi: 10.1089/tmj.2020.0008. [Epub ahead of print]
9. Zhang AY, **Brady CJ**, Reddy AK. Challenges in the management of presumed fungal endophthalmitis in pregnancy. Retin Cases Brief Rep. 2018 Jul 24. [Epub ahead of print]
10. Kherani S, Scott AW, Wenick AS, Zimmer-Galler I, **Brady CJ**, Sodhi A, Meyerle C, Solomon SD, Shaukat R, Channa R, Adeyemo O, Handa JT, Wang J, Campochiaro PA. Shortest Distance from Fovea to Subfoveal Hemorrhage Border is Important in Patients with Neovascular Age-Related Macular Degeneration. Am J Ophthalmol. 2018 May;189:86-95.
11. Mudie LI, Wang X, Friedman DS, **Brady CJ.** Crowdsourcing and Automated Retinal Image Analysis for Diabetic Retinopathy. Curr Diab Rep. 2017 Sep 23;17(11):106. PMCID in process
12. Eghrari AO, Wang A, **Brady CJ**. Google Cardboard Indirect Ophthalmoscopy. Retina. 2017 Aug;37(8):1617-1619. PMCID: PMC5544528.
13. **Brady CJ**, Mudie LI, Wang X, Guallar E, Friedman DS. Improving Consensus Scoring of Crowdsourced Data Using the Rasch Model: Development and Refinement of a Diagnostic Instrument. J Med Internet Res. 2017 Jun 20;19(6):e222. PMCID: PMC5497070.
14. Wang X, Mudie LI, Baskaran M, Cheng C-Y, Alward WL, Friedman DS, **Brady CJ**. Crowdsourcing to evaluate fundus photographs for the presence of glaucoma. J Glaucoma. 2017 Jun;26(6):505-510. PMCID: PMC5453824
15. Rahimy E, Rayess N, **Brady CJ**, Regillo CD. Treat-and- extend regimen for macular edema secondary to central retinal vein occlusion: 12-month results. Ophthalmol Retina*.* 2017 Mar - Apr;1(2):118-123.
16. **Brady CJ.** Improving Ocular Telehealth Outcomes. JAMA Ophthalmol. 2016 Nov 1;134(11):1228-1229. PMCID: PMC5244856
17. Campochiaro PA, Hafiz G, Mir TA, Scott AW, Zimmer-Galler I, Shah SM, Wenick AS, **Brady CJ**, Han I, He L, Channa R, Poon D, Meyerle C, Aronow MB, Sodhi A, Handa JT, Kherani S, Han Y, Sophie R, Wang G, Qian J. Pro-permeability Factors in Diabetic Macular Edema; the Diabetic Macular Edema Treated with Ozurdex Trial. American Journal of Ophthalmology. 2016 Aug;168:13-23. PMCID: PMC5482180
18. **Brady CJ**, Villanti AC, Law HA, Rahimy E, Reddy R, Sieving PC, Garg SJ, Tang J. Corticosteroid implants for chronic non-infectious uveitis. Cochrane Database Syst Rev. 2016 Feb 12;2:CD010469. PMCID: PMC5038923
19. Wang X, Mudie L, **Brady CJ**. Crowdsourcing: an overview and applications to ophthalmology. Curr Opin Ophthalmol. 2016 May;27(3):256-61. PMCID: PMC4957134
20. Mir TA, Kherani S, Hafiz G, Scott AW, Zimmer-Galler I, Wenick AS, Solomon S, Han I, Poon D, He L, Shah SM, **Brady CJ**, Meyerle C, Sodhi A, Linz MO, Sophie R, Campochiaro PA. Changes in Retinal Nonperfusion Associated with Suppression of Vascular Endothelial Growth Factor in Retinal Vein Occlusion. Ophthalmology. Ophthalmology. 2016 Mar;123(3):625-34.e1. PMCID: PMC5482175
21. **Brady CJ**, Eghrari AO, Labrique AB. Smartphone-based visual acuity measurement for screening and clinical assessment. JAMA. 2015 Dec 22-29;314(24):2682-3. PMCID: PMC4913699
22. Birnbaum F, Wang A, **Brady CJ**. Stereoscopic Surgical Recording Using GoPro Cameras: A Low-Cost Means for Capturing External Eye Surgery. JAMA Ophthalmology. 2015 Oct 22:1. 2015 Oct 22:1. PMCID: PMC4913467
23. Adam MK, **Brady CJ**, Flowers AM, Juhn AT, Hsu J, Garg SJ, Murchison AP, Spirn MJ. Quality and Diagnostic Utility of Mydriatic Smartphone Photography: The Smartphone Ophthalmoscopy Reliability Trial (SORT). Ophthalmic Surg Lasers Imaging Retina. 2015, 46(6):631-637.
24. Khan MA, **Brady CJ,** Kaiser RS. Clinical Management of Proliferative Vitreoretinopathy: An Update. Retina. Retina. 2015 Feb;35(2):165-75.
25. Adam MK, Rahimy E, **Brady CJ**, Aronsky M, Spirn MJ. Endophthalmitis following penetrating ocular injury in the dentist’s chair. Can J Ophthalmol. 2014 Dec;49(6):e154-6.
26. **Brady** **CJ,** Villanti AC, Gupta OP, Graham MG, Sergott RC. Diabetic Retinopathy Screening by Teleophthalmology in Urban Primary Care Offices: An Economic Analysis. Ophthalmic Surg Lasers Imaging Retina. 2014 Nov 1;45(6):556-61.
27. Armstrong BK, Pitcher J, Shah R, **Brady CJ**, Perlmutter D, Garg SJ. The evolution of untreated acute syphilitic posterior placoid chorioretinitis captured by multimodal retinal imaging. Ophthalmic Surg Lasers Imaging Retina. 2014 Nov 1;45(6):606-9.
28. **Brady CJ**, Villanti AC, Pearson JL, Kirchner TR, Gupta OP, Shah CP. Rapid grading of fundus photographs for diabetic retinopathy using crowdsourcing. J Med Internet Res. 2014 Oct 30;16(10):e23. PMCID: PMC4259907
29. **Brady CJ**, Villanti AC, Reddy R, Sieving PC, Garg SJ, Tang J. Corticosteroid implants for chronic non-infectious uveitis (Protocol). The Cochrane Database of Systematic Reviews 2013, Issue 4. Art. No.: CD010469.
30. **Brady CJ,** Haller, JA. Dexamethasone intravitreal implant for macular edema following retinal vein occlusion. Expert Reviews of Ophthalmology. 2013 Feb;8(1): 17–27.
31. **Brady CJ**, Villanti AC, Gandhi G, Friedman DS, Keay L. Visual function after correction of distance refractive error with ready-made and custom spectacles: a randomized clinical trial. Ophthalmology. 2012 Oct;119(10):2014-20.
32. **Brady CJ**, Keay L, Villanti A, Ali FS, Gandhi M, Massof RW, Friedman DS. Validation of a visual function and quality of life instrument in an urban Indian population with uncorrected refractive error using Rasch Analysis. Ophthalmic Epidemiology. 2010 17(5):282–291.
33. Keay L, Gandhi M, **Brady C**, Ali FS, Mathur U, Munoz B, Friedman DS. A randomized clinical trial to evaluate ready-made spectacles in an adult population in India. Int J Epidemiol. 2010 Jun;39(3):877-88.
34. Zeng Y, Keay L, He M, Mai J, Munoz B, **Brady C**, Friedman DS. Evaluation of ready-made and custom spectacles delivered via a school-based screening program in China. Ophthalmology. 2009 Oct;116(10):1839-45. PMCID: PMC4252048
35. Gribetz CH, Blum R, **Brady C**, Cohen S, Lebwohl M. An extended 16-week course of alefacept in the treatment of chronic plaque psoriasis. J Am Acad Dermatol. 2005 Jul; 53(1):73-75.
36. Freeman AK, Linowski GJ, **Brady C**, Lind L, VanVeldhuisen P, Singer G, Lebwohl M. Tacrolimus ointment for the treatment of psoriasis on the face and intertriginous areas. J Am Acad Dermatol. 2003 Apr;48(4):564-568.
37. Endzweig-Gribetz CH, **Brady C**, Lynde C, Sibbald D, Lebwohl M. Drug interactions in psoriasis: The pros and cons of combining topical therapies. J Cutan Med Surg. 2002 May-Jun;6(3 Suppl):12-6.

1. van Adelsberg J, Sehgal S, Kukes A, **Brady C**, Barasch J, Yang J, Huan Y. Activation of HGF by endogenous HGF activator is required for metanephric kidney morphogenesis in vitro. J Biol Chem. 2001 May 4;276(18):15099-15106.

**Non-Peer-Reviewed Articles:**

1. Industry Brief. Refractive Ocular Telehealth: Refraction and Visual Acuity Testing. 2019 American Telemedicine Association White Paper.
2. **Brady CJ.** Crowdsourcing the Analysis of Retinal Imaging Data: New technologies could facilitate diagnosis. Retinal Physician, Volume: 12, Issue: April 2015, page(s): 37, 38, 40, 41.
3. **Brady CJ.** Crowdsourcing for Rapid Fundus Photograph Interpretation. Retina Today 2015. April: 71-73.
4. **Brady CJ.** Looking Back and Forward: Where Retina Has Been and Where It Might Go. Retina Today 2014 April:26-28.
5. **Brady CJ.** Retina Surgery Fundamentals: Tips from Wills Eye Attendings. Retina Today. 2013 September:22-25.
6. **Brady CJ,** Regillo CD. Management of Submacular Hemorrhage Associated with Neovascular Age-Related Macular Degeneration.AMD Update Newsletter. 2013 September:61. <http://www.visioncareprofessional.com/emails/amdupdate/index.asp?issue=61>
7. **Brady CJ**. New Insights into Managing Retinal Vein Occlusion. The Ophthalmology Report. 2013 Summer;6(1):11-14.
8. **Brady CJ**, Regillo CD. A Case of Cryptoccocal Choroiditis in an HIV-infected Man. Retinal Physician. 2012 July;9:58-61.
9. **Brady CJ.** Wills Eye Resident Case Series: A Case of Scleral Buckling Implant Causing Orbital Cellulitis. Review of Ophthalmology. 2010 Nov;17(11):92-94.
10. **Brady CJ.** Wills Eye Resident Case Series: A Case of Multisystem Sarcoidosis. Review of Ophthalmology. 2010 Mar;17(3):88-90

**Book Chapters:**

1. **Brady CJ,** Bressler NM, Bressler SB. Neovascular (Exudative or “Wet”) Age-Related Macular Degeneration (Chapter Revision). In: Retina, 6th Edition. AP Schachat ed. Philadelphia, PA: Elsevier, 2017.
2. **Brady CJ**, Regillo CD. Surgery for Submacular Hemorrhage due to Neovascular Age-Related Macular Degeneration. In: Expert Techniques in Ophthalmic Surgery. P Ichhpujani, GL Spaeth, M Yanoff eds. Philadelphia, PA: Jaypee Brothers Medical Publishers, 2015
3. **Brady CJ**, Kaiser, R. Pars Plana Vitrectomy for Rhegmatogenous Retinal Detachment. In: Expert Techniques in Ophthalmic Surgery. P Ichhpujani, GL Spaeth, M Yanoff eds. Philadelphia, PA: Jaypee Brothers Medical Publishers, 2015
4. **Brady CJ,** Regillo CD. Surgery for Neovascular Age-Related Macular Degeneration. In: Age-related Macular Degeneration: Current Management. J Duker, AJ Witkin eds. Thorofare, NJ: Slack, Inc., 2015
5. **Brady CJ,** Shah CP. Neovascular Age-Related Macular Degeneration Treatment Failures: Non-responders, Tolerance, and Tachyphylaxis. In: Age-related Macular Degeneration: Current Management. J Duker, AJ Witkin eds. Thorofare, NJ: Slack, Inc., 2015.

1. **Brady CJ**. Stargardt Disease, In: Wills Eye Institute Five Minute Ophthalmology Consult. JI Maguire, AP Murchison, EA Jaeger, eds. Philadelphia, PA: Lippincott Williams & Wilkins; 2011.

**Presentations:**

Recent Invited Continuing Medical Education and Community Presentations

1. “Diabetic Retinopathy/ Tele-Ophthalmology.” Porter Primary Care CME Retreat. Dec 17, 2019. Middlebury, VT
2. “Surgical Panel” 2019 J Arch McNamara Meeting at Wills Eye Retina Service. Nov 2, 2019. Philadelphia, PA
3. Hendrick A, **Brady CJ**, Pan C, Haddock L. (2016) Smartphone Fundus Photography Skills Transfer Course. 2016 American Academy of Ophthalmology Annual Meeting. Chicago, IL. Course Renewed 2017 (New Orleans, LA), 2018 (Chicaco, IL), 2019 (San Francisco, CA)
4. “Update on Diabetic Retinopathy Screening and Management: Epidemiology and New Strategies.” Community Health Centers of Burlington Providers Meeting. Aug 29, 2019. Burlington, VT
5. “Update on Vitreoretinal Surgical Techniques.” Fanny Allen Surgical Staff In-service. Aug 15, 2019; Jan 18, 2018. Colchester, VT
6. “Retina Research Update.” Ophthalmology Grand Rounds. Jan 18, 2019. Burlington, VT
7. “Progressive Problems: Mystery Case Presentation.” New England Ophthalmological Society Meeting. Nov 30, 2018. Boston, MA
8. “Diabetes and the Eye.” National Federation of the Blind of Vermont Annual Conference. Nov 3, 2018. Burlington, VT
9. “Telemedicine in Diabetic Retinopathy” American Academy of Ophthalmology Symposium: Telemedicine in Ophthalmology: Improving our care for underserved patient populations and reducing healthcare costs. Oct 29, 2018. Chicago, IL
10. “Telemedicine and a Future of Ophthalmology” Surgery Grand Rounds. Nov 30, 2017. Burlington, VT
11. “Vitreoretinal Diseases from the Patient’s Perspective.” Ophthalmology Technician Conference. Sep 30, 2017. Burlington, VT
12. “New Advances to Tackle the Global Epidemic of Diabetic Retinopathy.” Vermont Optometric Society Fall Meeting. Sep 8, 2017. Essex, VT
13. “Telemedicine in Diabetic Retinopathy.” National Medical Association Ophthalmology Section Annual Meeting. Aug 4, 2015. Detroit, MI

Scientific meetings – Oral presentations

1. **Brady CJ,** D’Amico SL, Benner N, Kim BY.(2019) Vision and OCT Outcomes Following the 2018 Aflibercept Recall. 2019 Retina Society Annual Meeting. London, UK.
2. Benner N, D'Amico S, Kim BY, **Brady CJ**. (2019) Vision and OCT Outcomes Following 2018 Aflibercept Recall. 2019 Association for Vision in Research and Ophthalmology Annual Meeting, Vancouver, ON.
3. **Brady CJ,** Zimmer-Galler, I. (2017) Census Data Support Need for Ocular Telehealth Expansion and Help Define Priority Regions for Intervention. Paper-on-Demand Presentation. 2017 American Society of Retina Specialists Annual Meeting. Boston, MA.
4. **Brady CJ (session co-moderator),** Mudie L, Friedman, DS. (2017) Rasch modeling improves consensus scoring of crowdsourced data. 2017 Association for Research in Vision and Ophthalmology Annual Meeting, Baltimore, MD*.*
5. **Brady CJ.** (2017) Rasch modeling improves consensus scoring of crowdsourced data. 2017 Translational Science Annual Meeting, Washington, D.C.
6. **Brady CJ**, Kong X, Wang X, Mudie L, Friedman DS. (2016) Leveraging the Wisdom of the Crowds to Solve Problems in Vision Science Research (Special Interest Group Organizer). 2016 Association for Research in Vision and Ophthalmology Annual Meeting, Seattle, WA
7. Eghrari EO, Bishop RJ, Ray V, **Brady CJ**, Burkholder B. (2016) Diagnostic, medical and surgical capacity building in the setting of Ebola-associated eye disease (Special Interest Group Panelist). 2016 Association for Research in Vision and Ophthalmology Annual Meeting, Seattle, WA
8. Bishop RJ, Eghrari AO, **Brady CJ**, Ray V, Reilly CS, Ferris FL, Cunningham D, Guizie E, Fallah M. (2016) Expanding the spectrum of Ebola-associated eye disease: a summary of ocular findings in a large cohort of Ebola survivors. 2016 Association for Research in Vision and Ophthalmology Annual Meeting, Seattle, WA
9. **Brady CJ**, Wang X, Mudie LI, Mani B, Cheng C-Y, Friedman DS. (2016) Crowdsourcing to evaluate fundus photos for the presence of glaucoma. 2016 Wilmer Research Meeting, Baltimore, MD
10. **Brady CJ. (session co-moderator)** (2016)Crowdsourcing as a tool to rapidly and accurately grade fundus photographs for diabetic retinopathy in existing datasets. 2016 Translational Science Annual Meeting, Washington, D.C.
11. Zimmer-Galler I, **Brady CJ,** Gehlbach P. (2015) Non-Diabetic Ocular Abnormalities Detected by Telemedicine Diabetic Retinopathy Assessment Technology in Safety-Net Medical Clinics. 2015 Retina Society Annual Meeting. Paris, France
12. **Brady CJ,** Villanti AC, Pearson J, Kirchner T, Zimmer-Galler I, Shah CP Gupta OP. (2015) The Use of Crowdsourcing to Rapidly Grade Fundus Photographs for Diabetic Retinopathy. 2015 American Telemedicine Association Annual Meeting. Los Angeles, CA
13. **Brady CJ,** Villanti AC, Pearson J, Kirchner T, Gupta OP, Shah CP, Haller JA. (2014)Rapid grading of fundus photos for diabetic retinopathy using crowdsourcing: Refinement and External Validation. 2014 Retina Society Annual Meeting. Philadelphia, PA.
14. **Brady CJ,** Villanti AC, Pearson J, Kirchner T, Gupta OP, Shah CP. (2014)Rapid grading of fundus photos for diabetic retinopathy using crowdsourcing. 2014 American Society of Retinal Specialists Annual Meeting. San Diego, CA.
15. **Brady CJ**, Villanti AC, Gupta OP, Sergott RC, Haller JA. (2013) Screening for Proliferative Diabetic Retinopathy with Teleophthalmology: An Economic Analysis. 2013 Retina Society Annual Meeting. Beverly Hills, CA
16. **Brady CJ**, Villanti AC, Gupta OP, Sergott RC. (2013) Screening for Proliferative Diabetic Retinopathy with Teleophthalmology: An Economic Analysis. Paper-on-Demand Presentation. 2013 American Society of Retina Specialists Annual Meeting. Toronto, Canada

Scientific meetings – Poster presentations

1. **Brady CJ,** Benner N,D’Amico SL, Kim BY. (2019) Effects of 2018 Aflibercept Recall on Visual Acuity and Optical Coherence Tomography. 2019 American Society of Retina Specialists Annual Meeting. Chicago, IL.
2. Tsou B, Liu TY, Kong J, Bressler SB, Arevalo F, **Brady CJ**, Handa JT, Meyerle CB, Scott AW, Wenick AS, Bressler NM. (2019) Patient Use of Dietary Supplements, Home Monitoring, or Genetic Testing for Non-neovascular Age-Related Macular Degeneration. 2019 American Society of Retina Specialists Annual Meeting. Chicago, IL.
3. D'Amico S, Benner N, Kim BY, **Brady CJ**. (2019) Vision and OCT Outcomes Following 2018 Aflibercept Recall. 2019 University of Vermont Health Network 16th Annual Jeffords Institute Quality Forum. Burlington, VT.
4. **Brady CJ**, D'Amico S, Peavey J, Higgins S, Kim B. (2019) Determinants of Poor Follow-up Adherence for Diabetic Retinopathy. 2019 University of Vermont Health Network 16th Annual Jeffords Institute Quality Forum. Burlington, VT.
5. **Brady CJ**, D'Amico S, Peavey J, Higgins S, Kim B. (2019) Determinants of Poor Follow-up Adherence for Diabetic Retinopathy. 2019 Association for Vision in Research and Ophthalmology Annual Meeting, Vancouver, ON.
6. Tsou B, Kong J, Bressler SB, **Brady CJ**, Meyerle CB, Sachdeva M, Scott AW, Wenick AS, Zebardast N, Bressler NM. (2019) Visual Acuity with Habitual Correction using ETDRS Chart vs. Protocol Refraction. 2019 Association for Vision in Research and Ophthalmology Annual Meeting, Vancouver, ON.
7. D'Amico S, Benner N, Kim BY, **Brady CJ**. (2019) Publicly available datasets identify priority regions for ocular telehealth intervention. 2019 Association for Vision in Research and Ophthalmology Annual Meeting, Vancouver, ON.
8. D'Amico S, Kim BY, **Brady CJ**. (2019) Meta-Analysis of Handheld Fundus Camera Validation Studies. 2019 ARVO Imagining in the Eye Conference, Vancouver, ON.
9. **Brady CJ,** Pandit R. (2018) Developing and Testing a Standardized Toolkit to Compare Next-Generation Fundus Cameras. 2018 American Society of Retina Specialists Annual Meeting. Vancouver, ON.
10. Pandit R, **Brady CJ.** (2018)A Standardized Toolkit to Compare Next-Generation Fundus Cameras. 2018 Association for Research in Vision and Ophthalmology Annual Meeting, Honolulu, HI.
11. Eghrari AO, Bishop RJ, **Brady CJ**, Ray V, Fallah M, Cunningham D, Reilly CS, Ferris FL, Larbelee J. (2016) Clinical characterization of Ebola-associated eye disease with spectral domain optical coherence tomography. Poster. 2016 Association for Research in Vision and Ophthalmology Annual Meeting, Seattle, WA
12. Vahedi S, Eghrari AO, Bishop RJ, **Brady CJ**, Reilly CS, Ferris FL, Larbelee J, Fallah M. (2016) Implementation and assessment of visual acuity screening of Ebola Virus Disease survivors utilizing the Peek Vision smartphone platform. 2016 Association for Research in Vision and Ophthalmology Annual Meeting, Seattle, WA
13. **Brady CJ.** (2016)Crowdsourcing as a tool to rapidly and accurately grade fundus photographs for diabetic retinopathy in existing datasets. 2016 Annual JHU-UMD Diabetes Research Center Symposium, Baltimore, MD
14. **Brady CJ,** Kong X, Friedman DS. (2015) Crowdsourcing as a tool for rapid and accurate grading of fundus photographs for diabetic retinopathy in existing datasets. Association for Research in Vision and Ophthalmology 2015 Diabetic Retinopathy: Battling the Global Epidemic. Bethesda, MD
15. Zimmer-Galler I, **Brady CJ**. (2015) Essential Quality Assurance Components of Telemedicine Diabetic Retinopathy Assessment Programs. 2015 American Society of Retinal Specialists Annual Meeting. Vienna, Austria
16. **Brady CJ,** Wang A, Eghrari, AO. (2015) Low Cost Anterior and Posterior Segment Imaging Using a Modified Google Cardboard: A Platform for Ophthalmic Imaging in Limited-resource Settings. 2015 American Society of Retinal Specialists Annual Meeting. Vienna, Austria
17. Ghofrani S, Rezaei M, Wang A, Eghrari AO, **Brady CJ**. (2015) Google Cardboard anterior and posterior segment imaging: a valuable tool for limited-resource settings. 2015 Association for Research in Vision and Ophthalmology Annual Meeting. Denver, CO
18. **Brady CJ,** Villanti AC, Pearson JL, Kirchner TR, Shah C, Gupta OP. (2015) Rapid grading of fundus photographs for diabetic retinopathy using crowdsourcing: External Validation. 2015 Association for Research in Vision and Ophthalmology Annual Meeting. Denver, CO
19. Adam MK, Aenchbacher WL, Kurzweg, T, **Brady CJ,** Hsu J**.** (2015)Mydriatic Plenoptic Ophthalmoscopy: A Novel Fundus Imaging Technique. 2015 Association for Research in Vision and Ophthalmology Imaging Conference. Denver, CO
20. Adam MK, **Brady CJ**, Flowers A, Juhn A, Murchison AP, Spirn MJ. (2014) Quality of Mydriatic Fundus Smartphone Photography: The Smartphone Ophthalmoscopy Reliability Trial (SORT). 2014 Association for Research in Vision and Ophthalmology Annual Meeting. Orlando, FL
21. Perlmutter D, **Brady CJ**, Dedrick K, Gupta OP, Federman J. (2014) Retinal Vascular Measurements in Pre-Hypertension and Pre-Diabetes: Validation of Instrument. 2014 Association for Research in Vision and Ophthalmology Annual Meeting. Orlando, FL
22. **Brady CJ,** Villanti AC, Pearson J, Kirchner T, Gupta OP, Shah CP. (2014)Rapid grading of fundus photos for diabetic retinopathy using crowdsourcing. 2014 Association for Research in Vision and Ophthalmology Annual Meeting. Orlando, FL
23. **Brady CJ,** Al-Shareef R, Witkin A, Regillo C. (2013) A Treat and Extend Regimen Using Anti-VEGF Therapies for Central Retinal Vein Occlusion. Poster. 2013 Association for Research in Vision and Ophthalmology Annual Meeting. Seattle, WA
24. **Brady CJ**, Villanti AC, Gupta OP, Knight B, Graham MG, Sergott RG. (2012) Diabetic Retinopathy Screening by Teleophthalmology in Urban Primary Care Offices. 2012 Association for Research in Vision and Ophthalmology Annual Meeting. Fort Lauderdale, FL
25. Morley D, **Brady C**, O'Malley G, Massone R. (2012) Painless Vision Loss Photo-Essay. 2012 Society for Academic Emergency Medicine Annual Meeting. Chicago, IL
26. McFalls JM, **Brady CJ**, Tokarczyk MJ, DellaVecchia MA, Jungkind DL. (2011) Investigation of a pseudo-outbreak of Aspergillus versicolor in corneal specimens. 2011 American Society for Clinical Pathology Annual Meeting. Las Vegas, NV
27. **Brady CJ**, Villanti AC, Gandhi M, Friedman DS, Keay L. (2011) Visual Function after Correction of Distance Refractive Error with Ready-Made and Custom Spectacles – A Randomized Clinical Trial. Poster. 2011 Association for Research in Vision and Ophthalmology Annual Meeting. Fort Lauderdale, FL
28. Koo J, Kozma C, Menter A, Lebwohl M, Abramovits W, Lorenzo C, Slaton T, Wojcik A, **Brady C**, Kowalski J. (2003) Development of a Disease Specific Quality of Life Questionnaire: the 12-item Psoriasis Quality of Life Questionnaire (PQOL-12). 2003 American Academy of Dermatology Annual Meeting. San Francisco, CA

**Research Grants:**

Ongoing:

8/1/18-7/31/21 National Institute for General Medical Sciences (Higgins, PI) Center for Biomedical Research Excellence Award 2 P20 GM103644

Implementation of a rural ocular telehealth screening program for diabetic retinopathy in primary care clinics and randomized, controlled trial of a financial incentive system to increase linkage to ophthalmic care for those with abnormal screening. Role: Project Director

7/1/16-11/30/2019 International Agency for the Prevention of Blindness (West, PI)

Development and pilot testing of an Image Capture and Processing System for Trachoma Control (ICAPS). The goal of this project is to develop a “virtual reading center” using crowdsourcing for the interpretation of eyelid photographs taken during district level trachoma surveys in East Africa.

Role: Co-investigator

7/1/16-6/30/20 National Eye Institute Loan Repayment Program L30 EY027143

Crowdsourcing Retinal Image Interpretation

This award allows for student loan repayment while committing at least 50% effort to research activities

Completed:

7/1/15-6/30/17. National Center for Advancing Translational Sciences/Johns Hopkins Institute for Clinical and Translational Research KL2 Award KL2TR001077 (Ford, PI).

The goal of this project is to develop analytic skills in the methods of clinical epidemiology while developing a predictive model for the development of diabetes mellitus using biometric measurements from retinal images

4/16/15-6/30/17 National Institute of Diabetes and Digestion/Johns Hopkins-University of Maryland Diabetes Research Center Pilot and Feasibility Award P30DK079637 (Hussain, PI)

Rapid grading of fundus photographs for diabetic retinopathy using crowdsourcing

The goal of this project is to increase the ability of crowdsourcing workers to identify mild diabetic retinopathy

2/15/15-2/14/16. Wilmer Pooled Professor Research Fund

Rapid grading of fundus photographs for diabetic retinopathy using crowdsourcing

The goal of this project is to increase the ability of crowdsourcing workers to identify specific pathological features on retinal images. Role: PI

Wills Eye Hospital Innovation Grant Spirn (PI) 7/1/13-6/30/14

Quality and Diagnostic Utility of Mydriatic Fundus Smartphone Photography Obtained by Medical Students: The Smartphone Ophthalmoscopy Reliability Trial in the Wills Eye Emergency Department (SORT) Study.

The goal of this project was to test the use of smartphone technology to acquire gradable retinal images. Role: Co-Investigator

Wills Eye Hospital J. Arch McNamara Research Grant Gupta (PI) 1/1/13-6/30/14

Crowdsourcing of Fundus Photograph Interpretation Using Amazon Mechanical Turk for the Screening of Diabetic Retinopathy.

The goal of this project was to see whether crowdsourcing workers could identify retinal images with diabetic retinopathy as abnormal. Role: Co-Investigator

Wills Eye Hospital Innovation Grant Federman (PI) 7/1/12-6/30/14

Retinal arteriolar-venous ratio as a possible predictor for early vasculopathic disease.

The goal of this project was to validate retinal vessel caliber measurements for correlation with other vasculopathic risk factor. Role: Co-Investigator

**Invited Peer Reviewer:**

Ophthalmology; JAMA Ophthalmology; Investigative Ophthalmology and Visual Science; Translational Vision Science & Technology; British Journal of Ophthalmology; Ophthalmic Epidemiology; PLoS One; BioMed Central: Public Health; Journal of Medical and Internet Research; Journal of Cataract and Refractive Surgery.

**Professional Societies:**

American Academy of Ophthalmology 2009 - present

 Knowledge Base - Retina/Vitreous Panel - Subcommittee Member December 2015-2017

Association for Research in Vision and Ophthalmology 2010 - present

American Society of Retina Specialists 2013 - present

American Telemedicine Association 2015-present

Vice-Chair Ocular Telehealth Special Interest Group 5/2015-5/2017

Chair Ocular Telehealth Special Interest Group 5/2017-5/2019

New England Ophthalmological Society 2017 - present

Vermont Ophthalmological Society 2017- present

Retina Society Inductee 2019

**Honors and Awards:**

Dean’s List Columbia University Fall 1997, Spring 1998, Fall 1998, Spring 1999, Spring 2000, Fall 2000

Magna Cum Laude Columbia University May, 2001

Johns Hopkins University School of Medicine Alpha Omega Alpha Honor Society, May 2008

James S. Shipman Award for Resident Research, 64th Wills Eye Annual Conference February 2012

Advocacy Ambassador sponsored by the Retina Society to attended American Academy of Ophthalmology 16th Annual Mid-Year Forum and Advocacy Day, April 2013

Retina Fellows Forum Research Award for Best Fellow Paper 2014

National Eye Institute Travel Grant for Association for Research in Vision and Ophthalmology Annual Meeting 2014

Best Fellow Surgical Case Presentation, 2nd Annual Vit-Buckle Society Meeting, March 2014

Johns Hopkins Bloomberg School of Public Health Delta Omega Honor Society, May 2017

**Languages:** French (conversant), Spanish (rudimentary)