

# *Nadim Rayess, M.D.*

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## **PROFESSIONAL APPOINTMENT**

2021      **Retina Associates of Florida, Tampa, FL**  
08/2021 - Present

## **EDUCATION**

07/19-06/21    **Byers Eye Institute/Stanford Health Care, Palo Alto CA**  
Vitreoretinal Surgery fellow, Department of Ophthalmology

07/16-06/19    **LAC + USC Medical Center/USC Roski Eye Institute, Los Angeles CA**  
Ophthalmology residency

07/15-06/16    **Detroit Medical Center/Wayne State University (Sinai-Grace), Detroit MI**  
Transitional medicine internship

08/13-03/15    **Research fellow, Retina Division, Wills Eye Hospital, Philadelphia PA**

08/09-05/13    **American University of Beirut School of Medicine**  
MD Class of 2013

07/07-06/09    **University of California, Irvine**  
Bachelors of Science in Biological Sciences, Summa Cum Laude

09/06-06/07    **American University of Beirut**

## **LICENSURE/CERTIFICATION**

1. **American Board of Ophthalmology**
2. **Florida Medical Board**

## **MEMBERSHIPS IN PROFESSIONAL/SCIENTIFIC SOCIETIES:**

### **National Societies:**

American Society of Retina Specialists (ASRS)

Association for Research in Vision and Ophthalmology (ARVO)

American Academy of Ophthalmology (AAO)

## AWARDS & HONORS

- 2020 **Retina Research Foundation/Joseph M. and Eula C. Lawrence Travel Grant**  
Association for Research in Vision and Ophthalmology (ARVO), Baltimore, MA, 2020.  
750\$ travel grant awarded with complimentary registration at ARVO, Baltimore, 2020.
- 2018 **Dr. Henry & Lilian Nesburn Award**  
Merit award for best annual research publication by resident
- 2015 **Top 10 most cited article published in *American Journal of Ophthalmology* in 2015**  
**Rayess N**, Rahimy E, Ying G-S, Bagheri N, Ho AC, Regillo CD, Vander JF, Hsu J.  
Baseline choroidal thickness as a predictor for response to anti-vascular endothelial growth factor therapy in diabetic macular edema. *Am J Ophthalmol.* 2015;159(1):85–91.
- 2015 **ARVO Abstract Hot Topic**  
**Awarded to <6% of all 2015 meeting abstracts**  
Spectral domain optical coherence tomography characteristics after acute posterior vitreous detachment. Association for Research in Vision and Ophthalmology (ARVO), Denver, CO, 2015.
- 2007 **Dean's List American University Beirut** Fall and spring semester 2006-2007
- 2009 **Dean's List UC Irvine** (every quarter) 2007-2009
- 2009 **Summa Cum Laude** Biological Sciences UC Irvine, GPA: 4.00
- 2009 **Honors in Biological Sciences**
- 2009 **Excellence in Research**
- 2009 **International Golden Key Society**
- 2009 **Phi Beta Kappa**

## GRANTS

- 2014 **Wills Eye Innovation Grant**  
\$10,000 stipend awarded to develop ophthalmology diagnostic search engine, 2014, Philadelphia, PA.
- 2008 **Undergraduate Research Opportunity Program (UROP)**  
\$600 stipend awarded to conduct research in neurobiology. 2008. Irvine, CA.

## H Index 12

## PEER REVIEWED PUBLICATIONS

1. Rosenblatt T, **Rayess N**, Almoujahed A, Khurana R, Mruthyunjaya P. Discontinuation and Loss to Follow-Up Rates in Clinical Trials of Intravitreal Anti-Vascular Endothelial Growth Factor Injections. *Graefes Arch Clin Exp Ophthalmol*. 2021. **In Press**
2. **Rayess N**, Vail D, Mruthyunjaya P. Rates of reoperation in 10,114 Patients with Epiretinal Membranes Treated by Vitrectomy with or without Inner Limiting Membrane Peeling. *Ophthalmology Retina*. 2020 Oct 27:S2468-6530(20)30426-7. **Epub ahead of print.**
3. **Rayess N**; Li, Angela; Do D; Rahimy E. Assessment of online websites reliability, Accountability, Readability, Accessibility and Translation for intravitreal injections. *Ophthalmology Retina*. 2020;4:1188–1195.
4. Alsoudi A, **Rayess N**, Khan S, Koo E, Rahimy E. Social Media and Retinal Detachment: Perspectives of Providers and Patients on Instagram. *Ophthalmic Surg Lasers Imaging Retina*. **In Press.**
5. Azad A; Chen E; Hinkle J; **Rayess N**; Wu D; Elliott D; Mruthyunjaya P; Parikh R. Anti-Vascular Endothelial Growth Factor and Panretinal Photocoagulation Use after Protocol S for Proliferative Diabetic Retinopathy. *Ophthalmology Retina*. 2021;5:151–159.
6. Azad A; Chen E; Hinkle J; **Rayess N**; Wu D; Elliott D; Mruthyunjaya P; Parikh R. Trends in Anti-Vascular Endothelial Growth Factor Agents and Panretinal Photocoagulation Use in Diabetic Retinopathy. *Ophthalmology Retina*. 2021;5:390–392.
7. **Rayess N**, Mruthyunjaya P. Anti-Vascular Endothelial Growth Factor Therapy for Radiation Retinopathy. *Ophthalmic Surg Lasers Imaging Retina*. 2020;51(4):S44-S49.
8. Eng VA, **Rayess N**, Nguyen HV, Leng T. Complete RPE and outer retinal atrophy in patients receiving anti-VEGF treatment for neovascular age-related macular degeneration. *PLoS One*. 2020;15(5):e0232353.
9. Al-Moujahed A; Callaway N; Ludwig C; **Rayess N**; Wood E; Moshfeghi D. Persistent Fetal Vasculature in Aicardi syndrome: Report of a Case with Fluorescein Angiography. *European Journal of Ophthalmology*. 2020;1120672120942702.
10. Hua H, **Rayess N**, Moshfeghi AA. Acute Promyelocytic Leukemia With Sudden Vision Loss. *JAMA Ophthalmol*. 2020;138:206.
11. **Rayess N**; Obeid A; Storey P; Juliano J; Rahimy E; Moshfeghi A; Garg S; Hsu J. Long-term visual outcomes and clinical features following anti-vascular endothelial growth factor injection related endophthalmitis. *Retina*. 2019;39(11):2070-76.
12. **Rayess N**, Patel V. Bilateral severe decreased vision with normal examination. *JAMA Ophthalmol*. 2018;136(10):1201-1202.
13. Storey PP, Tan J, **Rayess N**, Rao N. Bilateral pars plana vitrectomy for vitreous opacities and epiretinal membrane in Gaucher disease. *Journal of VitreoRetinal Diseases*. 2018;2(4):235-239.
14. **Rayess N**, Rahimy E, Ying G-S, Pefkianaki M, Franklin J, Ho AC, Regillo CD, Hsu J. Baseline choroidal thickness as a short-term predictor of visual acuity improvement following antivascular endothelial growth factor therapy in branch retinal vein occlusion. *Br J Ophthalmol*. 2018;103(1):55-59.
15. Le B; Deng H; Kim J; Astrahan M; **Rayess N**; Jennelle R; Zhou S; Berry J. Outcomes of Choroidal Melanomas Treated with Eye Physics: 25-year Review. *Brachytherapy*. 2018;17(6):981-989.
16. Rahimy E, **Rayess N**, Brady CJ, Regillo CD. Treat-and-Extend Regimen for Macular Edema Secondary to Central Retinal Vein Occlusion: 12-Month Results. *Ophthalmology Retina*. 2017;1(2):118-123.
17. **Rayess N**, Rahimy E; Ying G-S; Pefkianaki M; Franklin J; Regillo CD; Ho AC; Hsu J. Baseline Choroidal Thickness as a Predictor for Response to Anti-Vascular Endothelial Growth Factor Therapy in Central Retinal Vein Occlusion- Reply. *Am J Ophthalmol*. 2017;176:258–259.

18. Wittenborn J, Clemons T, Regillo C, **Rayess N**, Liffmann D, Rein D. Economic evaluation of a home-based AMD monitoring system. *JAMA Ophthalmol*. 2017;135(5):452-459.
19. Sridhar J, Yonekawa Y, Kuriyan AE, Joseph A, Thomas BJ, Liang MC, **Rayess N**, Relhan N, Wolfe JD, Shah CP, Witkin AJ, Flynn HW Jr, Garg SJ. MICROBIOLOGIC SPECTRUM AND VISUAL OUTCOMES OF ACUTE-ONSET ENDOPHTHALMITIS UNDERGOING THERAPEUTIC PARS PLANA VITRECTOMY. *Retina*. 2017;37(7):1246–1251.
20. Huang N, Rayess HM, Svider PF, **Rayess N**, Folbe A, Langer P, Eloy JA, Carron M. Orbital Paraganglioma: A Systematic Review. *J Neurol Surg B Skull Base* 2018;79:407–412.
21. **Rayess N**; Rahimy E; Ying G-S; Pefkianaki M; Franklin J; Regillo CD; Ho AC; Hsu J. Baseline Choroidal Thickness as a Predictor for Response to Anti-Vascular Endothelial Growth Factor Therapy in Central Retinal Vein Occlusion. *American Journal of Ophthalmology*. 2016; 171:47-52.
22. Rahimy E, Shahlaee A, Ehmann D, **Rayess N**, Fineman M, Garg S, Ho AC, Hsu J. Early optical coherence tomography findings after vitreomacular traction release. *Ophthalmology*. 2016;123(9):2046-2047.
23. **Rayess N**, Rahimy E, Storey P, Shah C, Wolfe J, Chen E, DeCroos F, Garg S, Hsu J. Post-injection endophthalmitis rates and characteristics following intravitreal bevacizumab, ranibizumab and aflibercept. *American Journal of Ophthalmology*. 2016;165:88-93.
24. Rahimy E, **Rayess N**, Ho AC, Regillo C. Treatment outcomes for neovascular AMD patients with initial vision better than 20/40 using a "treat and extend" regimen. *Retina*. 2016;36(5):875-80.
25. **Rayess N**, Rahimy E, Shah C, Wolfe J, Chen E, DeCroos F, Storey P, Garg S, Hsu J. Incidence and clinical features of post-injection endophthalmitis according to diagnosis. *Br J Ophthalmol*. 2016;100(8):1058-1061.
26. Adam M, **Rayess N**, Rahimy E, Maguire J, Hsu J. Radial versus raster spectral-domain optical coherence tomography scan patterns for detection of macular fluid in neovascular age-related macular degeneration. *British Journal of Ophthalmology*, 2016;100(4):491-4.
27. Reed DC, Juhn AT, **Rayess N**, Hsu J, Chiang A. Outcomes of Retinal Detachment Repair After Posterior Open Globe Injury. *Retina*. 2016; 36(4):758-63.
28. Storey P, Dollin M, **Rayess N**, Pitcher J, Reddy S, Vander J, Hsu J Garg SJ. The effect of prophylactic topical antibiotics on bacterial resistance patterns in endophthalmitis following intravitreal injection. *Graefe's Arch Clin Exp Ophthalmol*. 2016;254(2):235-42.
29. **Rayess N**, Rahimy E, Vander JF, Spirm MJ, Chiang A, Garg SJ, Hsu J. Spectral-Domain Optical Coherence Tomography in Acute Posterior Vitreous Detachment. *Ophthalmology*. 2015;122(9):1946-7.
30. Houston SK, **Rayess N**, Cohen, M, Ho AC, Regillo CD. Influence of vitreomacular interface on anti-vascular endothelial growth factor therapy using treat and extend treatment protocol for age-related macular degeneration (VINTREX). *Retina*. 2015; 35(9): 1757-64.
31. **Rayess N**, Rahimy E, Ying G-S, Bagheri N, Ho AC, Regillo CD, Vander JF, Hsu J. Baseline choroidal thickness as a predictor for response to anti-vascular endothelial growth factor therapy in diabetic macular edema. *Am J Ophthalmol*. 2015;159(1):85–91.
32. **Rayess N**, Houston SKS, Gupta OP, Ho AC, Regillo CD. Treatment Outcomes After 3 Years in Neovascular Age-Related Macular Degeneration Using a Treat-and-Extend Regimen. *Am J Ophthalmol*. 2015;159(1):3–8.
33. Setlur VJ, **Rayess N**, Garg SJ, Hsu J, Luo CK, Regillo CD, Fineman MS, Sivalingam A. Combined 23-Gauge PPV and Scleral Buckle Versus 23-Gauge PPV Alone for Primary Repair of Pseudophakic Rhegmatogenous Retinal Detachment. *Ophthalmic Surg Lasers Imaging Retina*. 2015;46(7):702–7.

34. Sharma P, Sridhar J, **Rayess N**, Maguire J. Optical Coherence Tomography and Angiography of Type 2 Arteriovenous Malformation. *Can J Ophthalmol*. 2015;50(5):e93–6.
35. Witkin AJ, **Rayess N**, Garg SJ, Maguire JI, Storey P, Kaiser RS, Hsu J, Vander JF, Ho AC. Alternating bi-weekly intravitreal Ranibizumab and Bevacizumab for refractory neovascular age-related macular degeneration with pigment epithelial detachment. *Semin Ophthalmol*. 2017;32(3):309-315.
36. **Rayess N**, Rahimy E, Ho AC. Spectral-Domain Optical Coherence Tomography Features of Bilateral Chorioretinitis Sclopetaria. *Ophthalmic Surg Lasers Imaging Retina*. 2015;46(2):253–255.
37. Rahimy E, **Rayess N**, Kaiser R. Traumatic Prepapillary Loop Torsion and Associated Branch Retinal Artery Occlusion - Reply. *JAMA Ophthalmol*. 2015;133(3):362-363.
38. **Rayess N**, Rahimy E, Dunn JP. Bilateral neuroretinitis and retinal hemorrhages in an immunocompetent patient. *JAMA Ophthalmol*. 2014;132(10):1243-1244.
39. Rahimy E, **Rayess N**, Maguire J, Hsu, J. Radial versus raster spectral-domain optical coherence tomography scan patterns for detection of macular pathology. *Am J Ophthalmol*. 2014;158(2):345–353.
40. Rahimy E, **Rayess N**, Talamini C, Kaiser R. Traumatic Prepapillary Loop Torsion and Associated Branch Retinal Artery Occlusion. *JAMA Ophthalmol*. 2014;132(11):1376-1377.

#### PEER REVIEWED SUBMITTED MANUSCRIPTS

41. **Rayess N**, Narala R, Rodger D, Rao N. Ocular manifestations in post-treatment lyme disease. *Ophthalmic Surg Lasers Imaging Retina*. (Submitted).
42. Hua, HU, **Rayess N**; Li A; Do D; Rahmy E. Critical Analysis of the Quality, Readability, and Content of Online Information Accessed by a Google Search of “Macular Degeneration”. *Ophthalmic Surg Lasers Imaging Retina*. (Submitted).
43. O’Fee J; Polski A; **Rayess N**; Zhou S; Jennelle R; Berry J. The Impact of Intraoperative Ultrasound on Operative Time during Plaque Brachytherapy Insertion for Uveal Melanoma. *Practical Radiation Oncology*. (Submitted).
44. Azad A; Davila J; **Rayess N**; Cao M; Mruthyunjaya P; Pan C. The Effect of Obstructive Sleep Apnea Treatment and Severity on Choroidal Thickness in Patients with Central Serous Chorioretinopathy. *Retina*. (Submitted)

#### BOOK CHAPTERS

- 2016      **Rayess N.**, Sridhar J. (2016) Endogenous Endophthalmitis. In: Medina C., Townsend J., Singh A. (eds) Manual of Retinal Diseases. Springer, Cham

#### ORAL PRESENTATIONS

- 2021      **Rayess N**; Azad A; Chen E; Hinkle J; Mruthyunjaya P; Parikh R. Comparing Rates of Vitrectomy in Proliferative Diabetic Retinopathy Patients Treated With Anti-VEGF or Panretinal Photocoagulation Monotherapy. Accepted to ASRS podium presentation October 2021, San Antonio, Tx.

- 2020 **Rayess N**; Li, Angela; Do D; Rahimy E. Assessment of online websites reliability, Accountability, Readability, Accessibility and Translation for intravitreal injections. Virtual ARVO podium presentation. Travel grant recipient. 2020.
- 2018 **Rayess N**, Nagiel A. Mystery case. Pacific Retina Club (PRC). April 21, 2018, San Francisco, CA.
- 2016 **Rayess N**, Rahimy E, Storey P, Shah C, Wolfe J, Chen E, DeCroos F, Garg SJ, Hsu J. Post-injection endophthalmitis rates and characteristics following intravitreal bevacizumab, ranibizumab and aflibercept. Retina Society, Sep 16, 2016, San Diego, CA.
- 2015 **Rayess N**. Bilateral Chorioretinitis Sclopetaria. Wills Eye Retina and Oncology Symposium. October 16, 2015, Philadelphia, PA.
- 2015 **Rayess N**, Rahimy E, Hsu J. Spectral domain optical coherence tomography characteristics after acute posterior vitreous detachment. Wills Eye Annual Alumni Conference. March 5, 2015, Philadelphia, PA.
- 2015 **Rayess N**. Mystery case. Atlantic Coast Retina Club (ACRC). January 8, 2015, Boston, MA.
- 2014 **Rayess N**, Houston SK, Gupta O, Ho AC, Regillo C. Long-Term Treatment Outcomes for Neovascular Age-Related Macular Degeneration using a "Treat and Extend" Regimen. Retina Society, September 12, 2014, Philadelphia, PA.
- 2014 **Rayess, N**. Fluorescein angiography rounds. May 21, 2014, Wills Eye Hospital, Philadelphia, PA.
- 2014 **Rayess N**, Rahimy E, Maguire JM, Hsu, J. Comparison of radial versus raster spectral-domain optical coherence tomography scan patterns at detecting macular pathology. Wills Eye Annual Alumni Conference. March 6, 2014, Philadelphia, PA.
- 2014 **Rayess N**. Mystery case. Atlantic Coast Retina Club (ACRC). January 9, 2014, Philadelphia, PA.
- 2012 **Rayess N**. Cystic Fibrosis-Before, During and After Pregnancy: Obstetrics and Gynecology grand round. March 2012. Beirut, Lebanon.
- 2010 **Rayess N**, Nazha B, Sleiman K. Bedouin Access to Healthcare: A General Overview of Health Seeking Behavior of Bedouin Communities in the Central Bekaa Region

## ABSTRACTS/POSTER PRESENTATIONS

- 2021 Mruthyunjaya P; Azad A; Chen E; Hinkle J; **Rayess N**; Parikh R. Does Anti-VEGF or Pan-retinal Photocoagulation therapy in Proliferative Diabetic Retinopathy lead a greater rate of vitrectomy surgery? *Macula Society*. February 2021. Virtual.
- 2020 **Rayess N**, Vail D, Mruthyunjaya P. Surgical Approach and Rates of Reoperation in 10,114 Patients with Idiopathic Epiretinal Membranes Treated by Vitrectomy with or without Inner Limiting Membrane Peeling. Accepted. *American Academy of Ophthalmology (AAO)*. November, 2020. Las Vegas, NV.
- 2020 Azad A; Chen E; Hinkle J; **Rayess N**; Wu D; Elliott D; Mruthyunjaya P; Parikh R. Anti-Vascular Endothelial Growth Factor Agents and Pan-retinal Photocoagulation Use in Patients with Proliferative Diabetic Retinopathy. Accepted. *American Academy of Ophthalmology (AAO)*. November, 2020. Las Vegas, NV.
- 2020 Mruthyunjaya P; Azad A; Chen E; Hinkle J; **Rayess N**; Parikh R. Are trends in Proliferative diabetic retinopathy treatments impacted by the DRCR.net protocol S: A claims based study. Accepted. *American Academy of Ophthalmology (AAO)*. November, 2020. Las Vegas, NV.
- 2020 **Rayess N**; Li, Angela; Do D; Rahimy E. Assessment of online websites reliability, content and readability for intravitreal injections. *Retina Society* September, 2020. Virtual presentation.
- 2020 Hua, HU, **Rayess N**; Do D; Rahimy E. Critical Analysis of the Quality, Readability, and Content of Online Information Accessed by a Google Search of "Macular Degeneration". *American Society of Retina Specialists (ASRS)*, July, 2020, Seattle, WA.
- 2020 **Rayess N**; Li, Angela; Do D; Rahimy E. Assessment of online websites reliability, content and readability for intravitreal injections. Virtual presentation. Paper on demand presentation at *American Society of Retina Specialists (ASRS)*, July, 2020, Seattle, WA.
- 2020 Alsoudi A, **Rayess N**, Koo E, Rahimy E. Social Media and Retinal Detachment: Perspectives of Patients and Providers on Instagram. Virtual presentation. *American Society of Retina Specialists (ASRS)*, July, 2020, Seattle, WA.
- 2020 Hinkle J; Azad A; Chen E; **Rayess N**; Wu D; Elliott D; Mruthyunjaya P; Parikh R. Trends in the treatment of patients with proliferative diabetic retinopathy before and after the Diabetic Retinopathy Clinical Research Network Protocol S study. Virtual presentation. Top 10 poster award. *American Society of Retina Specialists (ASRS)*, July, 2020, Seattle, WA.
- 2020 Pan C; Azad A; Davila J; **Rayess N**; Cao M; Mruthyunjaya P. The Effect of Obstructive Sleep Apnea Treatment and Severity on Choroidal Thickness in Patients with Central Serous Chorioretinopathy. Virtual presentation. Paper presentation. *American Society of Retina Specialists (ASRS)*, July, 2020, Seattle, WA.

- 2020 Alsoudi A, Joshu S, **Rayess N**, Koo E, Rahimy E. An Evaluation of Popular Online Health Products on the Amazon Marketplace. Virtual presentation. *American Society of Retina Specialists (ASRS)*, July, 2020, Seattle, WA.
- 2020 Khan S, Alsoudi A, **Rayess N**, Koo E, Rahimy E. Perspectives on Internet and social media resources by parents of Pediatric Ophthalmology patients. Virtual presentation. *World Ophthalmology Congress (WOC)*. June 2020. Cape Town, South Africa.
- 2020 Azad A; Chen E; Hinkle J; **Rayess N**; Wu D; Elliott D; Mruthyunjaya P; Parikh R. Trends in the treatment of patients with proliferative diabetic retinopathy before and after the Diabetic Retinopathy Clinical Research Network Protocol S study. Virtual presentation. *Association for Research in Vision and Ophthalmology (ARVO)*, May 2020, Baltimore, MD.
- 2019 Leng T, **Rayess N**, Razeen M, Dubra A. Multimodal high-resolution imaging of epiretinal membranes including adaptive optics. International Congress on OCT Angiography. December 2019. Rome.
- 2019 Hua H, **Rayess N**, Moshfeghi A. Something seems different. (Differentiation syndrome). Podium case presentation at American Academy of Ophthalmology (AAO), October, 2019, San Francisco, CA.
- 2018 **Rayess N**; Obeid A; Storey P; Juliano J; Rahimy E; Moshfeghi A; Garg S; Hsu J. Long-term visual outcomes and clinical features following anti-vascular endothelial growth factor injection related endophthalmitis. American Academy of Ophthalmology (AAO), October, 2018, Chicago, IL.
- 2018 **Rayess N**; Obeid A; Storey P; Juliano J; Rahimy E; Moshfeghi A; Garg S; Hsu J. Long-term visual outcomes and clinical features following anti-vascular endothelial growth factor injection related endophthalmitis. Retina Society, September 14, 2018, San Francisco, CA.
- 2018 **Rayess N**; Obeid A; Storey P; Juliano J; Rahimy E; Moshfeghi A; Garg S; Hsu J. Long-term visual outcomes and clinical features following anti-vascular endothelial growth factor injection related endophthalmitis. American Society of Retina Specialists (ASRS), July 22, 2018, Vancouver, Canada.
- 2018 **Rayess N**; Rahimy E; Ying G-S; Pefkianaki M; Franklin J; Regillo CD; Ho AC; Hsu J. Baseline Choroidal Thickness as a Predictor for Treatment Outcomes in Branch Retinal Vein Occlusion. Association for Research in Vision and Ophthalmology (ARVO), May 2, 2018, Honolulu, Hi.
- 2018 Le B; Kim J; Pierce D; **Rayess N**; Jennelle R; Berry J. Outcomes of Choroidal Melanomas Treated with Eye Physics: A 25-Year Review. Association for Research in Vision and Ophthalmology (ARVO), May 1, 2018, Honolulu, Hi.
- 2016 **Rayess N**; Rahimy E; Ying G-S; Pefkianaki M; Franklin J; Regillo CD; Ho AC; Hsu J. Baseline Choroidal Thickness as a Predictor for Treatment Outcomes in Central Retinal Vein Occlusion. American Academy of Ophthalmology (AAO), Oct 15-18, 2016, Chicago, IL.



- 2016 Guess M, Sisk R, **Rayess N**, Foster R, Miller D, Osher J, Zanke B. Investigation of Risk Alleles for Macular Degeneration Among Severe Drusen Phenotypes and Retinal Pigmentary Epithelial Alterations. Retina Society, Sep 14-17, 2016, San Diego, CA.
- 2016 Hsu J, Rahimy E, Shahlaee A, Ehmann D, **Rayess N**, Ho A, Fineman M, Garg SJ. Early spectral domain optical coherence tomography findings after acute spontaneous vitreomacular traction release. Retina Society, Sep 14-17, 2016, San Diego, CA.
- 2016 Rahimy E, **Rayess N**, Storey P, Shah C, Wolfe J, Chen E, DeCroos F, Garg SJ, Hsu J. Comparison of post-injection endophthalmitis rates and characteristics following intravitreal injections of bevacizumab versus ranibizumab versus aflibercept. American Society of Retina Specialists (ASRS), Aug 10-14, 2016, San Francisco, CA.
- 2016 Hsu J, **Rayess N**, Rahimy E, Shah C, Wolfe J, Chen E, DeCroos F, Garg SJ. Comparison of post-injection endophthalmitis rates and characteristics following intravitreal injections of bevacizumab versus ranibizumab versus aflibercept. Association for Research in Vision and Ophthalmology (ARVO), May 1-5, 2016, Seattle, WA.
- 2015 **Rayess N**, Rahimy E, Hsu J. Spectral domain optical coherence tomography characteristics after acute posterior vitreous detachment. Association for Research in Vision and Ophthalmology (ARVO), May 3-7, 2015, Denver, CO.
- 2015 Sridhar J, **Rayess N**, Garg S. Clinical presentation, microbiologic spectrum, and visual outcomes of acute endophthalmitis undergoing therapeutic pars plana vitrectomy. Association for Research in Vision and Ophthalmology (ARVO), May 3-7, 2015, Denver, CO.
- 2015 Rahimy E, Adam M, **Rayess N**, Hsu J. Radial versus raster spectral-domain optical coherence tomography scan patterns for detection of neovascular age-related macular degeneration pathology. Podium Presentation at Association for Research in Vision and Ophthalmology (ARVO), May 3-7, 2015, Denver, CO.
- 2015 Calvo C, **Rayess N**, Rahimy E, Shah CP, Wolfe JD, Chen E, DeCroos F, Garg SJ, Hsu J. Microbiologic spectrum of post-injection endophthalmitis by indication for intravitreal anti-VEGF therapy. Association for Research in Vision and Ophthalmology (ARVO), May 3-7, 2015, Denver, CO.
- 2015 Wittenborn J, Clemons TE, Regillo CD, **Rayess N**, Rein D. Economic evaluation of home telemonitoring for CNV. Podium Presentation at Association for Research in Vision and Ophthalmology (ARVO), May 3-7, 2015, Denver, CO.
- 2015 Durrani A, Rahimy E, **Rayess N**, Hsu J. Spectral-domain optical coherence tomography characteristics of eyes with silicone oil tamponade and post silicone oil removal. Association for Research in Vision and Ophthalmology (ARVO), May 3-7, 2015, Denver, CO.
- 2015 Mehta N, Thomas BJ, Yonekawa Y, Sridhar JS, Kuriyan AE, Relhan N, Liang M, **Rayess N**, Joseph A, Shah C, Witkin AJ, Flynn HW, Garg SJ, Wolfe JD. Vitreoretinal sequelae of

- infectious endophthalmitis: surgical management and outcomes. *Great Lakes Retina Study Group Meeting*. June 1, 2015. Detroit, MI.
- 2015 Pefkianaki M, **Rayess N**, Garg S, Hsu J. Retained Subretinal Perfluorocarbon Liquid Using Valved 23-Gauge Vitrectomy. Congress of the European Society of Ophthalmology (SOE). June 6 - 9, 2015. Vienna, Austria.
- 2014 Hsu, J, **Rayess N**, Rahimy E, Chen E, Wolfe J, Shah, C, Garg SJ. Endophthalmitis rates after intravitreal anti-vascular endothelial growth factor injections for various retinal diseases. American Academy of Ophthalmology (AAO), Oct 18-21, 2014, Chicago, IL.
- 2014 Chen E, **Rayess N**, Rahimy E, Shah C, Wolfe J, Garg SJ, Hsu J. Endophthalmitis rates and clinical features following intravitreal anti-vascular endothelial growth factor injections for diabetic eye disease versus neovascular age-related macular degeneration and retinal vein occlusion. Retina Society, Sep 11-14, 2014, Philadelphia, PA.
- 2014 Bagheri N, **Rayess N**, Rahimy E, Chen, E, Hsu J. Initial choroidal thickness and response to anti-VEGF treatment in diabetic macular edema. Podium presentation at Retina Society, Sep 11-14, 2014, Philadelphia, PA.
- 2014 Houston SK, **Rayess N**, Cohen, M, Ho AC, Regillo C. Influence of vitreomacular interface on anti-VEGF therapy using treat and extend treatment protocol for age-related macular degeneration. Podium presentation at Retina Society, Sep 11-14, 2014, Philadelphia, PA.
- 2014 **Rayess N**, Rahimy E, Maguire, J, Hsu J. Comparison of radial versus raster spectral-domain optical coherence tomography scan patterns at detecting macular pathology. American Society of Retina Specialists (ASRS), Aug 9, 2014, San Diego, CA.
- 2014 **Rayess N**, Rahimy E, Ho AC, Regillo C. Treatment outcomes for neovascular AMD patients with initial vision better than 20/40 using a "treat and extend" regimen. American Society of Retina Specialists (ASRS), Aug 9-13, 2014, San Diego, CA.
- 2014 Rahimy E, **Rayess N**, Dollin ML, Storey P, Shah CP, Wolfe JD, Chen E, Garg SJ, Hsu J. Endophthalmitis rates following intravitreal anti-VEGF injections for diabetic eye disease versus neovascular AMD and retinal vein occlusion. American Society of Retina Specialists (ASRS) as paper on demand, Aug 9-13, 2014, San Diego, CA.
- 2014 Houston SK, **Rayess N**, Cohen, M, Ho AC, Regillo C. Influence of vitreomacular interface on anti-VEGF therapy using treat and extend treatment protocol for age-related macular degeneration. Podium Presentation at American Society of Retina Specialists (ASRS), August 10, 2014, San Diego, CA.
- 2014 Regillo C, **Rayess N**, Houston SK, Gupta O, Ho AC. Long-Term Treatment Outcomes for Neovascular Age-Related Macular Degeneration using a "Treat and Extend" Regimen. Podium Presentation at American Society of Retina Specialists (ASRS), August 10, 2014, San Diego, CA.
- 2014 Bagheri N, **Rayess N**, Rahimy E, Juhn A, Hsu J. Initial choroidal thickness and response to anti-VEGF treatment in diabetic macular edema. American Society of Retina Specialists (ASRS), Aug 9-13, 2014, San Diego, CA.

- 2014 Storey P, Dollin M, **Rayess N**, Pitcher J, Reddy S, Vander J, Hsu J, Garg S. The effect of prophylactic topical antibiotics on bacterial resistance patterns in endophthalmitis following intravitreal injection. American Society of Retina Specialists (ASRS), Aug 9-13, 2014, San Diego, CA.
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- 2014 Hsu J, **Rayess N**, Rahimy E. Comparison of radial versus raster spectral-domain optical coherence tomography scan patterns at detecting macular pathology. Association for Research in Vision and Ophthalmology (ARVO), May 4-8, 2014, Orlando, FL.
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- 2014 Reed D, Juhn A, **Rayess N**, Hsu J, Chiang A. Outcomes of Retinal Detachment Repair After Scleral Laceration. Association for Research in Vision and Ophthalmology (ARVO), May 4-8, 2014, Orlando, FL.
- 2009 **Rayess N**, Miledi R. Expression of GABA Receptors in Xenopus Oocytes. UROP, Spring Research Symposium. 2009, Irvine, CA.

## OTHER ACCOMPLISHMENTS

Invited reviewer for *Ophthalmology Journal*

Invited reviewer for *Retina Journal*

Invited reviewer for *Ophthalmic Surgery Lasers and Imaging Retina Journal*

**#1 Most downloaded article in the *American Journal of Ophthalmology* over 90 days**

**Rayess N**, Houston SKS, Gupta OP, Ho AC, Regillo CD. Treatment Outcomes After 3 Years in Neovascular Age-Related Macular Degeneration Using a Treat-and-Extend Regimen. *Am J Ophthalmol.* 2015;159(1):3–8.

## BACKGROUND INFORMATION

**Interests:** Sports (tennis, basketball, football, hockey and soccer), health care innovation.

**Languages:** Fluent in English, French and Arabic. Conversant in Spanish.