

Yale Ophthalmology *InSight*

Monthly Newsletter

Issue 1: May 14, 2020

Welcome to the inaugural issue. A monthly observation with visionary insight into the Department of Ophthalmology and Visual Science at the Yale University School of Medicine.

Message from Dr. Lucian Del Priore:

The last few weeks have challenged us in a way that few of us have been challenged before, as we respond to the challenges of caring for patients in the environment of Covid-19. We cannot thank you enough for your professionalism, integrity and tremendous response to this pandemic in our community. Your dedication to taking care of our patients while being at risk yourself is unlike anything I have witnessed in recent times; the closest analogy I can think of is the response required by health care professionals during the AIDS pandemic nearly 3 decades ago, before the virus was identified and mode of transmission was understood clearly. Now, as then, physicians, nurses, technicians, office staff, and the numerous people that are needed to keep a medical center running, including janitors and maintenance personnel, have been asked to step forward as we respond to this pandemic with a sense of dedication and purpose to our patients. We know that these efforts have come under conditions of enormous stress, as we try to balance the need of our patients with our own vulnerability as human beings, understandably afraid and concerned for our own health as well as the health of our family members while caring for others. We are grateful for our entire dedicated health care team, including our nurses, technicians, photographers, administrative staff, and front office personnel who have been dealing with patient-related issues on a daily basis. In addition, we are grateful for the numerous ophthalmology faculty members who have volunteered to staff the medical floors in this pandemic, despite the risk to their own health – your efforts are noted and so appreciated as we function as part of the Yale Medicine team.



We hope that you enjoyed this newsletter, edited by Dr. Brian DeBroff. Stay safe during this challenging time!

**A special thank you to Yale Medicine Ophthalmology faculty
who volunteered support to work on the medical floors
at Yale New-Haven Hospital!**

(Dr. Jessica Chow, Dr. Chris Teng, Dr. Ninani Kombo, Dr. Jill Rotruck, Dr. Asad Mohavedan, Dr. Soshian Sarrafpour)

Faculty Recruitment to Yale Ophthalmology:



Yvonne Wang MD

She is completing a fellowship in Cornea at Baylor College of Medicine and completed her residency at Massachusetts Eye and Ear Infirmary and will be joining the Cornea Section.



Jay Wang MD

He is completing a fellowship in Vitreoretinal Surgery at Massachusetts Eye and Ear Infirmary and completed his residency at Massachusetts Eye and Ear Infirmary and will be joining the Retina Section.

Yale Medicine Ophthalmology in the News:



Michael Crair MD in Yale News:

“Yale is delighted to join university colleagues around the country in pledging our intent to develop and deploy critically important technologies to fight COVID-19 infections without delay,” said



Ron Adelman, MD in Yale News:

Fifteen Yale faculty members — including the new dean of the Yale School of Medicine — are among the state's leading experts in science, engineering, medicine, and technology who have been elected as members



Vicente Diaz MD in Health.com

It's not uncommon for a viral illnesses to show up in the eyes. “Many viral illnesses can affect the eye, typically causing a follicular type of conjunctivitis,” Vicente Diaz, MD, a Yale Medicine ophthalmologist, tells

Michael Crair, MD, Yale's vice provost for research, William Ziegler III Professor of Neuroscience, and professor of ophthalmology & visual science. "Fighting this pandemic requires cooperation and coordination amongst all levels of academic, corporate and government partners, and barriers imposed by intellectual property or licensing agreements have no place in limiting our response to this global crisis."

of The Connecticut Academy of Science and Engineering (CASE). The new CASE members — 36 in all — will be introduced at the academy's 45th annual meeting and dinner on May 26 at The University of Connecticut (Storrs campus). Included from the Department of Ophthalmology and Visual Science: Ron Adelman, professor of ophthalmology and visual science, Yale School of Medicine.

Health. "We are learning that COVID-19 can affect the conjunctiva in a low percentage of people," he says, adding that, in those who have these ocular symptoms, the eye's secretions may also be able to transmit the virus.

Upcoming Meetings:

- Clinical Faculty Meeting: Friday, May 15th, 4pm - 5pm
- Clinical Faculty Meeting: Tuesday, May 19th, 4pm - 5pm
- Clinical Faculty Meeting: Friday, May 22nd, 4pm - 5pm
- General Faculty Meeting: Tuesday, May 26th, 4pm - 5pm
- Clinical Faculty Meeting: Friday, May 29th, 4pm - 5pm

Yale Eye Meetings:

- Retina Symposium – April 17: Cancelled
- Yale Ophth Society – May 29: Cancelled

Grand Rounds:

- May 15th 7:30-8:30 am: Endothelial Keratoplasty - Real World Outcomes - Dr. Divya Srikumaran
- May 22nd 7:30-8:30 am: Research Day - "Giant Retinal Tears" - Dr. Stanley Chang
- May 29th 7:30-8:30 am: QI Projects
- June 5th 7:30-8:30 am: Case Presentations - Jessica Chen, MD and Asadolah Movahedan, MD

Topics in Ophthalmology:

Each edition of Yale Ophthalmology InSight will feature a new topic (feel free to submit any paper or topic of interest to BMD); this month, a timely article on COVID-19 and the eye.

Click below to view article:

Publications from the Department of Ophthalmology and Visual Science Yale University School of Medicine 2020

1. Chen X, Singh D, Adelman RA, Rizzolo LJ (2020) Unstimulated, Serum-free Cultures of Retinal Pigment Epithelium Excrete Large Mounds of Drusen-like Deposits. *Curr Eye Res*:1-5.
2. DeBroff BM (2020). COVID-19: ocular manifestations, ocular secretions, and ocular portal of entry. *Advances in Ophthalmology & Visual Science 2020*: 10(2): 48-49. (reprint included in this newsletter)
3. DeBroff BM (2020). Ophthalmic Abbreviations: “I” will save time, but will “eye” be mistaken. *Advances in Ophthalmology & Visual System 2020*: 10(1): 13-14.
4. Dohlmán JC, Habib LA, Cunnane ME, Yoon MK (2020) Subperiosteal Masqueraders As Compared to Subperiosteal Abscess: Contrasting Clinical Presentation and Radiographic Densities. *Ophthalmic Plast Reconstr Surg*.
5. Flaxel CJ, Adelman RA, Bailey ST, Fawzi A, Lim JI, Vemulakonda GA, Ying GS (2020a) Idiopathic Epiretinal Membrane and Vitreomacular Traction Preferred Practice Pattern®. *Ophthalmology* 127:P145-P183.
6. Flaxel CJ, Adelman RA, Bailey ST, Fawzi A, Lim JI, Vemulakonda GA, Ying GS (2020b) Diabetic Retinopathy Preferred Practice Pattern®. *Ophthalmology* 127:P66-P145.
7. Flaxel CJ, Adelman RA, Bailey ST, Fawzi A, Lim JI, Vemulakonda GA, Ying GS (2020c) Idiopathic Macular Hole Preferred Practice Pattern®. *Ophthalmology* 127:P184-P222.
8. Flaxel CJ, Adelman RA, Bailey ST, Fawzi A, Lim JI, Vemulakonda GA, Ying GS (2020d) Posterior Vitreous Detachment, Retinal Breaks, and Lattice Degeneration Preferred Practice Pattern®. *Ophthalmology* 127:P146-P181.
9. Flaxel CJ, Adelman RA, Bailey ST, Fawzi A, Lim JI, Vemulakonda GA, Ying GS (2020e) Retinal and Ophthalmic Artery Occlusions Preferred Practice Pattern®. *Ophthalmology* 127:P259-P287.
10. Flaxel CJ, Adelman RA, Bailey ST, Fawzi A, Lim JI, Vemulakonda GA, Ying GS (2020f) Age-Related Macular Degeneration Preferred Practice Pattern®. *Ophthalmology* 127:P1-P65.
11. Flaxel CJ, Adelman RA, Bailey ST, Fawzi A, Lim JI, Vemulakonda GA, Ying GS (2020g) Retinal Vein Occlusions Preferred Practice Pattern®. *Ophthalmology* 127:P288-P320.
12. Gong J, Cai H; NYSCF Global Stem Cell Array Team, Noggle S, Paull D, Rizzolo LJ, Del Priore LV, Fields MA. Stem cell-derived retinal pigment epithelium from patients with age-related macular degeneration exhibit reduced metabolism and matrix interactions.
13. Gong J, Cai H, Noggle S, Paull D, Rizzolo LJ, Del Priore LV, Fields MA (2020) Stem cell-derived retinal pigment epithelium from patients with age-related macular degeneration exhibit reduced metabolism and matrix interactions. *Stem Cells Transl Med* 9:364-376.
14. Howard JF, Jr. et al. (2020) Clinical Effects of the Self-administered Subcutaneous Complement Inhibitor Zilucoplan in Patients With Moderate to Severe Generalized Myasthenia Gravis: Results of a Phase 2 Randomized, Double-Blind, Placebo-Controlled, Multicenter Clinical Trial. *JAMA Neurol*.

15. Jia Y, Lee S, Zhuo Y, Zhou ZJ (2020) A retinal circuit for the suppressed-by-contrast receptive field of a polyaxonal amacrine cell. *Proc Natl Acad Sci U S A*.
16. Li E, Sinard J, Sohrab M (2020a) Pulmonary Adenocarcinoma Metastatic to Periocular Skin and Orbital Tissue Presenting as Orbital Cellulitis. *Ophthalmic Plast Reconstr Surg* 36:e28-e30.
17. Li E, Sinard J, Distefano A, Sohrab M (2020b) Angiolymphoid Hyperplasia with Eosinophilia with Clinical Presentation Concerning for Juvenile Temporal Arteritis. *Ocul Oncol Pathol* 6:25-30.
18. Shen LL, Sun M, Khetpal S, Grossetta Nardini HK, Del Priore LV (2020) Topographic Variation of the Growth Rate of Geographic Atrophy in Nonexudative Age-Related Macular Degeneration: A Systematic Review and Meta-analysis. *Invest Ophthalmol Vis Sci* 61:2.
19. Shen LL, Del Priore LV. Reply. *Ophthalmology*. 2020 May;127(5):e29-e30. doi: 10.1016/j.optha.2020.01.046. No abstract available.
20. Shen LL, Sun M, Khetpal S, Grossetta Nardini HK, Del Priore LV. Topographic Variation of the Growth Rate of Geographic Atrophy in Nonexudative Age-Related Macular Degeneration: A Systematic Review and Meta-analysis. *Invest Ophthalmol Vis Sci*. 2020 Jan 23;61(1):2. doi: 10.1167/iovs.61.1.2.
21. Shen LL, Ahluwalia A, Sun M, Young BK, Grossetta Nardini H, Del Priore LV. Long-term natural history of visual acuity in eyes with choroideremia: a systematic review and meta-analysis of data from 1004 individual eyes. Accepted for publication at *Br J Ophthalmol*.
22. Shen LL, Sun M, Grossetta Nardini H, Del Priore LV. Progression of unifocal vs. multifocal geographic atrophy in age-related macular degeneration: a systematic review and meta-analysis. *Ophthalmol Retina* (in press).
23. Shen LL, Ahluwalia A, Sun M, Young BK, Grossetta Nardini H, Del Priore LV. Long-term natural history of atrophy in eyes with choroideremia: a systematic review and meta-analysis of individual-level data. *Ophthalmol Retina* (in press).
24. Silverman A, Selvadurai C, Picard J, Gluck L, Fisayo A, Makhani N, Benitez V (2020) Clinical Reasoning: A 16-year-old girl with ataxia, oscillopsia, and behavioral changes. *Neurology* 94:713-717.
25. Young BK, Verter E, Howard MA (2020) Quality analysis of publicly available videos for pediatric strabismus surgery. *J AAPOS*.
26. Yusuf R, Chen EM, Nwyanwu K, Richards B (2020) Neighborhood Deprivation and Adherence to Initial Diabetic Retinopathy Screening. *Ophthalmol Retina*.
27. Zeydanli EO, Parolini B, Ozdek S, Bopp S, Adelman RA, Kuhn F, Gini G, Sallam AB, Aksakal N (2020) Management of vitreous floaters: an international survey the European VitreoRetinal Society Floaters study report. *Eye (Lond)*.



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