

August 2023

CURRICULUM VITAE

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(née Noelle Marie Layer)

Business Address

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EDUCATION

Undergraduate Yale University, BA with Distinction, 2005
History of Science, History of Medicine
Honors: Phi Beta Kappa, cum laude

Medical School Harvard Medical School, MD, 2010

POSTGRADUATE TRAINING

Internship Greenwich Hospital/Yale New Haven Health, Greenwich, CT
Specialty: Medicine, 2010-2011

Residency University of California, San Francisco (UCSF), San Francisco, CA
Specialty: Ophthalmology, 2011-2014

Fellowship Wills Eye Hospital, Philadelphia, PA
Specialty: Glaucoma, 2014-2015

POSTGRADUATE HONORS AND AWARDS

Starr E. Shulman MPA Fellowship, California Academy of Eye Physicians and Surgeons, 2013
Resident Research Training Program Travel Award, UCSF Clinical and Translational Sciences
Institute, 2013

Hogan/Garcia Research Award for Best Original Research by a Resident, UCSF Dept. of
Ophthalmology, 2013

Best Paper of Session, 52nd Annual Meeting of the Eye Bank Association of America, 2013
Heed Ophthalmic Foundation Residents Retreat, 2013

Best Poster Award, American Academy of Ophthalmology (AAO) Annual Meeting, 2014
Castle Connolly Top Doctor, 2022-present

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Licensure

California, 2011-2015
Pennsylvania, 2014-2016
Maine, 2015-2019
Massachusetts, 2018-
Rhode Island, 2018-

Board Certification

Diplomate, American Board of Ophthalmology, 2015-

POSITIONS

Current

1. Chief of Ophthalmology, Providence VA Medical Center (VAMC), Providence, RI, 2023-
2. Staff Ophthalmologist, Providence VAMC, Providence, RI, 2020-

Previous

1. Associate Ophthalmologist, Maine Eye Center, Portland, ME, 2015-2018
2. Associate Ophthalmologist, Center for Sight, Fall River, MA, 2018-2023

ACADEMIC APPOINTMENTS

1. Clinical Instructor of Ophthalmology, Wills Eye Hospital/Sidney Kimmel Medical College, Thomas Jefferson University, Philadelphia, PA, 2014-2015
2. Clinical Assistant Professor of Ophthalmology, Tufts University School of Medicine, Boston, MA, 2017-2021

HOSPITAL APPOINTMENTS

Current

1. Attending Physician, Section of Ophthalmology, Providence VAMC, Providence, RI, 2020--

Previous

1. Medical Staff (Ophthalmology), Maine Medical Center, Portland, ME, 2015-2018
2. Medical Staff (Ophthalmology), Charlton Memorial Hospital/Southcoast Health, Fall River, MA, 2018-2023
3. Medical Staff (Ophthalmology), Saint Anne's Hospital/Steward Health Care, Fall River, MA, 2018-2023
4. Surgeon (Ophthalmology), East Bay Surgery Center, Swansea, MA 2018-2023

UNIVERSITY COMMITTEES

1. UCSF Graduate Medical Education Committee, Peer-selected Resident Representative, 2012-2014
2. MomDocFamily (MDF), Office of Women in Medicine and Science, Brown University, Advisory Board, 2019-

MEMBERSHIP IN SOCIETIES

1. American Medical Women's Association, Harvard Medical School Chapter, 2006-2008
Executive Committee, 2007-2008
2. Fellow, American Academy of Ophthalmology 2011-
3. Frederick C. Cordes Eye Society, 2011-
Vice President, 2013-2014
4. American Society of Cataract and Refractive Surgery, 2012-2018
5. Wills Eye Alumni Society, 2014-
6. International Society of Spaeth Fellows, 2014-
7. American Glaucoma Society, 2014-
8. New England Ophthalmology Society, 2016-
9. Maine Society of Eye Physicians and Surgeons, 2016-2018
10. Yale Ophthalmology Society, 2017-
11. Massachusetts Medical Society, 2019-

PUBLICATIONS LIST

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Herbert J, Jakubowska-Sadowska K, Russell HK, Kasten LE, **Layer N**, Fromm J, Del Bene M. The timed tandem walk as a measure of mild impairment in patients with multiple sclerosis. *Neurology*. 2006;66(5) Suppl 2:A237-A238.
2. Herbert J, Jakubowska-Sadowska K, Russell HK, Kasten LE, **Layer N**, Gluek A, Frankel M, Fromm JT, DelBene M. The timed tandem walk is a more informative measure of mild impairment in MS than the 25-foot walk. *Multiple Sclerosis*. 2006;12(Suppl 1):S117.
3. Herbert J, Bacon J, **Layer N**, Benevento D, Fromm JT. IVIg adjuvant therapy and MS quality of life: A retrospective survey. *International Journal of MS Care*. 2007;9(2):63-64.
4. Gorovoy IR, **Layer N**, Kim HJ, Nobles SM, Stewart P, Vagefi MR, Kersten RC. Pilomatrixoma in a patient with bilateral retinoblastoma. *Journal of the American Association for Pediatric Ophthalmology and Strabismus (J AAPOS)*. 2013;17(1):103-104.
5. **Layer N**, Cevallos V, Maxwell AJ, Ulrickson C, Keenan JD, Jeng BH. Efficacy and safety of antifungal additives in Optisol-GS. *JAMA Ophthalmology*. 2014;132(7):832-7.

6. Gorovoy IR, **Layer N**, de Alba Campomanes AG. Retinal dysplasia of holoprosencephaly. *Journal of Pediatric Ophthalmology and Strabismus*. 2014;51:e16-18.

7. **Pruzan NL**, Gorovoy IR, de Alba Campomanes A, Hoyt C. Spontaneous regression of a sporadic optic pathway glioma. *Journal of Child Neurology*. 2015;30(9):1196-8.

8. Desai SJ, **Pruzan NL**, Geske MJ, Jeng BH, Bloomer MM, Vagefi MR. Local and regional spread of primary conjunctival squamous cell carcinoma. *Eye Contact Lens*. 2018;44(Suppl 1):S312-315.

9. Waisbourd M, **Pruzan NL**, Johnson D, Ugorets A, Crews JE, Saaddine JB, Henderer JD, Hark LA, Katz LJ. The Philadelphia Glaucoma Detection and Treatment Project: Detection rates and initial management. *Ophthalmology*. 2016;123(8):1667-74.

10. Rahmatnejad K, **Pruzan NL**, Amanullah S, Shaukat BA, Resende AF, Waisbourd M, Zhan T, Moster MR. Surgical outcomes of gonioscopy-assisted transluminal trabeculotomy (GATT) in patients with open-angle glaucoma. *Journal of Glaucoma*. 2017;26(12):1137-43.

OTHER PEER-REVIEWED PUBLICATIONS

1. **Pruzan NL**, Keenan JD, Jeng BH. In reply: Trypan blue vital dye staining vs TUNEL technique to detect corneal endothelium toxic effects. *JAMA Ophthalmology*. 2014;132(12):1491.

2. **Pruzan NL**, Myers JS. Phenotypic Differences in Normal vs High Tension Glaucoma. *Journal of Neuro-Ophthalmology*. 2015;35(Suppl):S4-S7.

BOOKS AND BOOK CHAPTERS

Wills Eye Manual. 7th edition. Fellow Consultant. Wolters Kluwer; 2017.

ABSTRACTS

1. **Layer N**, London L. Comprehensive fetal alcohol syndrome prevention program in the Western Cape, South Africa. Harvard Medical School's 68th Annual Soma Weiss Medical & Dental Student Research Day. Boston, MA: January 2008.

2. **Layer N**, Soliman A, Wu H, de Boer JF, Chen TC. Effect of age on healthy retinal nerve fiber layer thickness measurements using spectral domain optical coherence tomography (SD-OCT). The Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting. Fort Lauderdale, FL: May 5, 2010.

3. **Layer N**, Geske MJ, Kim HJ, Kersten RC, Bloomer M, Jeng BH, Vagefi MR. Local and distant spread of primary conjunctival squamous cell carcinoma: A report of two cases. American Society of Ophthalmic Plastic and Reconstructive Surgery (ASOPRS) 43rd Annual Fall Scientific Symposium. Chicago, IL: November 8, 2012.

4. **Layer N**, Cevallos V, Maxwell A, Ulrickson C, Keenan JD, Jeng BH. Efficacy and safety of voriconazole and amphotericin B as additives in Optisol-GS corneal storage media against *Candida* species. The Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting. Seattle, WA: May 7, 2013.

5. Qiu M, **Pruzan NL**, Wang YE, Singh K, Lin SC. Association between gynecologic surgery and glaucoma prevalence in the United States. American Academy of Ophthalmology (AAO) Annual Meeting. Chicago, IL: October 19, 2014.

6. **Pruzan NL**, Qiu M, Wang SY, Singh K, Lin SC. Female reproductive factors and risk of glaucoma in the United States. American Academy of Ophthalmology (AAO) Annual Meeting. Chicago, IL: October 19, 2014.

7. **Pruzan NL**, Shaukat B, Waisbourd M, Moster MR. A pilot case series of consecutive patients undergoing ab interno trabeculotomy. American Glaucoma Society 25th Annual Meeting. Coronado, CA: February 27, 2015.

SCHOLARLY WORK PUBLISHED IN OTHER MEDIA

1. **Layer N**, Bloomer MM, Stewart JM, Schwartz DM, Rofagha S. Algorithm for evaluation and management of the ruptured globe in an adult. International Clinical Guidelines Resource, International Council of Ophthalmology, November 9, 2012.
<http://www.icoph.org/AlgorithmRupturedGlobe.html>.

INVITED PRESENTATIONS

Regional

1. **Layer N**. Methazolamide-induced Stevens-Johnson syndrome. UCSF Ophthalmology Grand Rounds. San Francisco, CA: November 10, 2011.

2. **Layer N**. Ocular chrysiasis. UCSF Ophthalmology Grand Rounds. San Francisco, CA: April 19, 2012.

3. **Layer N**. Pilomatrixoma in a child with bilateral retinoblastoma. UCSF Ophthalmology Grand Rounds. San Francisco, CA: May 3, 2012.

4. **Layer N**. Idiopathic macular telangiectasia type 1. UCSF Ophthalmology Grand Rounds. San Francisco, CA: October 4, 2012.

5. **Layer N**. Spontaneous regression of an optic pathway glioma. UCSF Ophthalmology Grand Rounds. San Francisco, CA: October 25, 2012.

6. **Layer N**. Retinal arterial macroaneurysm. UCSF Ophthalmology Grand Rounds. San Francisco,

CA: February 21, 2013.

7. **Layer N.** Tarantula keratouveitis. UCSF Ophthalmology Grand Rounds. San Francisco, CA: May 2, 2013.

8. **Layer N.** Dislocated Soemmering's ring. UCSF Ophthalmology Grand Rounds. San Francisco, CA: October 17, 2013.

9. **Layer N.** The Pseudo-Seidel Sign. UCSF Ophthalmology Grand Rounds. San Francisco, CA: January 30, 2014.

10. **Layer N.** Interrupted Ablations in Refractive Surgery. UCSF Ophthalmology Grand Rounds. San Francisco, CA: February 13, 2014.

11. **Layer N.** Post-Operative Complications with the Crystalens. UCSF Ophthalmology Grand Rounds. San Francisco, CA: March 6, 2014.

12. **Pruzan, NL.** Who gets glaucoma? 8th Annual Glaucoma CARES (Committed to Awareness through Research, Education, and Support) Conference. Philadelphia, PA: April 25, 2015.

13. **Pruzan NL.** Optic Disc Drusen: A Glaucoma Perspective. Maine Eye Center Annual Conference. South Portland, ME: November 12, 2015.

14. **Pruzan NL.** Normal tension glaucoma. Maine Optometric Association Annual Conference. South Portland, ME: December 4, 2015.

15. **Pruzan NL.** Update on cyclophotocoagulation. New England Ophthalmology Society. Boston, MA: June 2, 2017.

16. **Pruzan NL.** Lifestyle and modifiable risk factors in glaucoma. Maine Eye Center Annual Conference. Portland, ME: December 6, 2017.

17. **Pruzan NL.** Glaucoma Care from Patient to Population. Moderator of session. New England Ophthalmology Society. Boston, MA: April 12, 2019.

18. **Pruzan NL.** Trabeculectomy: Tried and True. New England Ophthalmology Society. Boston, MA: April 29, 2022.

National

1. **Layer N, Cevallos V, Jeng BH.** Efficacy of voriconazole and amphotericin B as additives in Optisol GS against Candida species. Ocular Microbiology and Immunology Group (OMIG) Annual Meeting. Chicago, IL: November 9, 2012.

2. **Layer N**, Cevallos V, Maxwell AJ, Ulrickson C, Keenan JD, Jeng BH. Efficacy and safety of antifungal additives in Optisol-GS. The Eye Bank Association of America (EBAA) Annual Meeting. Chicago, IL: June 8, 2013.

3. Qiu M, **Pruzan NL**, Wang YE, Singh K, Lin SC. Association between hysterectomy and oophorectomy and glaucoma prevalence in the United States. American Glaucoma Society 25th Annual Meeting. Coronado, CA: February 28, 2015.

International

1. Qiu M, **Pruzan NL**, Singh K, Lin SC. Association between bilateral oophorectomy and glaucoma prevalence among African American women in the United States. Congress of the European Society of Ophthalmology. Vienna, Austria: June 7, 2015.

GRANTS

1. Efficacy and Safety of Antifungal Additives in Optisol-GS, Eye Bank Association of America/Richard Lindstrom Research Grant (\$5,000), Role: PI. 2012-2013.

HOSPITAL TEACHING ROLES

1. Chief of Ophthalmology and Site Director, Providence VAMC, Brown Ophthalmology Residency Program, Providence, RI 2023-