Nathan R. Lighthizer

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Birthplace

Bismarck, North Dakota

Education

Pacific University College of Optometry, Forest Grove, OR Doctor of Optometry Degree with Distinction Conferred: May 23, 2009 Final GPA: 4.00/4.00

Internships

Fourth Year Clinic Internships

- Pacific University College of Optometry Internal Clinic (May 2008 August 2008)
- Albert Lea Medical Center, Mayo Health System, Albert Lea, MN (August 2008 November 2008)
 - Preceptor: Leonid Skorin Jr., OD, DO, FAAO, FAOCO
 - Performed routine eye examinations, assisted in minor surgeries, intravitreal injections, Botox injections, selective laser trabeculoplasties and YAG laser capsulotomies. Observed cataract and endoscopic cyclophotocoagulation surgery. Scrubbed in for eyelid surgeries and temporal artery biopsies. Removed post-operative sutures.
- American Lakes Veterans Affairs Hospital, Tacoma, WA (November 2008 May 2009)
 - o Preceptor: Jeffrey Hiett, OD

Jamestown College, Jamestown, ND

Bachelor of Science in Biology - May, 2005

Bismarck State College, Bismarck, ND Associate of Science in Biology – May, 2002

Residency

• Family Practice Residency (Emphasis in ocular disease), Northeastern State University Oklahoma College of Optometry, Tahlequah, OK (July 2009 – June 2010)

Fellowship

• Fellow of the American Academy of Optometry (FAAO). Obtained November 2010

Licenses

Oklahoma Optometry License #2610

Certificates

Anterior Segment Laser Procedures Minor Surgical Procedures & Injections Refractive Laser Surgery – Photorefractive Keratectomy (PRK)

Positions Held

- Associate Dean NSUOCO (January 2020 Present)
- President Intrepid Eye Society (Sept 2020 Present)
- Director of NSUOCO Continuing Education (July 2014 Present)
- Chief of Specialty Care Clinics (July 2010 Present)
 - NSUOCO referral clinic where all minor surgical procedures, anterior segment laser procedures, cataract evaluations, OCT's, advanced dry eye treatment, and blepharoplasty evaluations are performed.
- Oklahoma Association of Optometric Physicians (OAOP) Continuing Education Congress Committee Member (July 2014 present)
- Vice President Intrepid Eye Society (January 2018 August 2020)
- Assistant Dean for Clinical Care Services (July 2014 December 2019)
- Proctor/Examiner for the Oklahoma Optometric State Board Examinations (July 2013 July 2017)
- Associate Professor, NSUOCO (July 2016 Present)
- Assistant Professor, NSUOCO (July 2010 June 2016)
 - Courses Taught:
 - Optometry 7031: Ophthalmic Applications of Lasers (Summer 2015 Present)
 - Optometry 6073: Ocular Disease I: Cataracts, Corneal and External Ocular Disease (Summer 2011 – Present)
 - Optometry 4203: General Pathology (Fall 2010 Spring 2014)
 - Optometry 4167: Human Anatomy & Physiology (Fall 2010 Fall 2012)
- Chief of Electrodiagnostics Clinic (July 2010 June 2017)
 - NSUOCO referral clinic where all ERG, mfERG, EOG, and VEP's are performed.

Honors and Awards

- Optometric Student Association Outstanding Contribution 2020-2021
- Advanced Ocular Care (AOC) Rising Star Award March 2017 Issue
- Optometric Student Association OSII Outstanding Faculty of the Year 2016-2017
- Primary Care Optometry News (PCON) member of the PCON 250 A list of the top 250 optometrists in the country who practice progressively, provide innovative patient care, conduct optometric research or excel in academia and share what they have learned with other optometrists to advance the profession.
- Association of Schools and Colleges of Optometry (ASCO) Rising Star Award 2016
- Oklahoma Association of Optometric Physicians (OAOP) Young Optometrist (O.D.) of the Year 2016
- Optometric Student Association OSIV Outstanding Overall Faculty Award 2013-2014
- Optometric Student Association OSI Outstanding Faculty of the Year 2012-2013
- Optometric Student Association OSII Outstanding Faculty of the Year 2011-2012

- Optometric Student Association OSI Outstanding Faculty of the Year 2011-2012
- Optometric Student Association OSIV Outstanding Clinical Faculty of the Year 2010-2011
- American Academy of Optometry (AAO) Disease Section Residency Travel Fellowship (2009) Scholarship awarded to two ocular disease residents across the nation based on application, written essays, optometric qualifications, and involvement in the American Academy of Optometry.
- Optometric Glaucoma Society (OGS) Residency Education Meeting Attendee Annual meeting administered by the OGS for current residents with a strong interest in glaucoma. One resident affiliated from each of the seventeen optometric colleges is selected to attend based on application, written essays and academic and research achievements.
- Optometric Residency Matching Service (ORMS) Resident Scholarship Annual scholarship awarded to the four residents with the highest combined part 1, 2, and 3 NBEO scores of all current residents across the nation.
- Beta Sigma Kappa Silver Medal Award Award given at final graduation banquet to the graduate with the top academic record in the class.
- Outstanding Clinician Award Award voted on by faculty and staff, and awarded at final graduation banquet to one graduate for outstanding performance as an all-around optometric clinician.
- Pacific University College of Optometry Class of 2009 Valedictorian Award given annually to the top grade point average in the graduating optometric class.
- Walman Optical Scholarship Scholarship awarded to students across the nation based on optometric accomplishments.
- AOF Carl Zeiss Vision Fellowship Recipient Annual scholarship awarded to one third-year optometry student at each optometry school. Fellowship is awarded based on a written essay, academic transcript, optometric leadership qualities and letters of recommendation.
- Peg Gilbert Award Recipient Annual award given to an optometry student during the summer of his/her 3rd year. Selection is by nomination and is made on the basis of GPA.
- Dean's Scholarship Scholarships awarded to incoming first-year students at Pacific University who show outstanding qualifications and achievement in undergraduate studies.
- Western Interstate Commission for Higher Education (WICHE) Scholarship Four-year scholarship awarded to two North Dakota students based on rankings of students made by Pacific University.

Presentations/Lectures/Workshops

Please inquire if a more detailed list is desired.

2021 Continuing Education Lectures

- January 7-10 NSU Advanced Procedures
- January 9 Academy at Home CE lecture
- January 26 OAOP CE lecture
- January 28 NY Society Meeting
- January 30 Tennessee Optometric Association CE lectures
- Feb 1 PRK course OKC
- Feb 6 Portland Optometric Society CE lectures
- Feb 9 Dallas Optometric Society CE lectures
- February 26 Blue Sky Australia Conference virtual lecture
- February 28 SCCO virtual lectures
- March 1 All Things OCT Park City, UT
- March 3 Pennsylvania Association webinar
- March 9 NY Society Meeting
- March 19 Nebraska Optometric Association
- March 31 Indiana Society Meeting
- April 5 Berkely CE lecture
- April 11 Pennsylvania Association webinar
- April 13 NE Texas Optometric Society virtual lectures
- April 15 Washington Association webinar
- April 17 nJoy symposium CE lectures Edmond, OK
- April 19 Berkely CE lecture
- April 22-24 Kentucky Association CE lectures
- April 28 May 1 SECO Atlanta, GA
- May 10 Ophthalmic Education webinar
- May 14-16 West Virginia Optometric Association
- May 23-26 Virginia Laser Course
- June 2-3 Vision Expo East NYC
- June 19 Eyes on Glaucoma lecture
- June 22 Ophthalmic Education webinar
- June 23-27 AOA/Optometry's Meeting Denver, CO
- July 8-11 NSU Advanced Procedures
- July 15-18 Kansas Advanced Procedures
- August 4 Vision Source Exchange Houston, TX
- August 6-7 Southwest Florida CE lectures
- August 25-29 Wyoming Advanced Procedures Course
- September 11-12 Primary Eye Care Update
- September 16-19 Alaska Advanced Procedures Course
- September 22-25 Vision Expo West Las Vegas, NV
- September 30-October 3 Maine Advanced Procedures Course
- October 1 AOA virtual CE lectures
- October 7-8 East/West Cleveland, OH
- October 12 Wisconsin Association JP hour 2 hour webinar
- October 14-17 TN Laser Course Gatlinburg, TN
- October 19 OAOP Durysta lecture
- October 29-30 Wisconsin Laser Course
- November 3-6 American Academy of Optometry Boston, MA

- November 7 TN Laser Labs Nashville, TN
- November 12 All Things OCT Virtual Conference
- November 13 Maryland Optometric Association
- November 18-20 NSU/OAOP conference Tulsa
- November 20-21 University of Houston CE lectures San Antonio, TX
- December 1 National Glaucoma Society webinar
- December 9-12 UK Advanced Procedures Course London

2020 Continuing Education Lectures

- January 9-12 NSU Advanced Procedures
- January 13 Idaho Optometric Association Boise, ID
- February 5 Michigan Optometric Association East Lansing, MI
- February 6-9 Arkansas Advanced Procedures Course Little Rock
- February 10 PRK course Broken Arrow, OK
- February 22-23 Tennessee Laser Procedures Course
- February 25-26 All Things OCT Park City, UT
- March 4-5 SECO Atlanta, GA
- March 28-29 Iowa Optometric Association virtual lectures
- April 2 & 14 South Dakota Optometric Association virtual lectures
- April 22 Lumenis SLT Webinar
- May 6 South Dakota Optometric Association webinar
- May 22 Ontario Symposium CE virtual lectures
- May 28 Michigan Optometric Association Grand Rapids, MI
- May 28 Lumenis webinar
- May 31 Stuart Autry CE Meeting virtual meeting
- June 3 Wisconsin Optometric Association webinar
- June 11 Wisconsin Optometric Association webinar
- June 23 U. of Houston webinar
- June 25 Triad amniotic membrane talk Tulsa, OK
- June 26 Optometry's Meeting/AOA Virtual Meeting
- June 28 National Glaucoma Society Webinar
- July 9-12 NSU Advanced Procedures
- July 15 Indiana Optometric Association Indianapolis, IN
- July 15 TLC Webinar for Dr. Morganstern
- July 29 SECO webinar
- August 11 Dallas County Eye Society dry eye virtual lecture
- September 13 Primary Eye Care Update
- September 18 GWCO webinar Portland, OR
- September 29 TCOS society virtual talk
- October 3 Mississippi Optometric Association
- October 4 Maine Optometric Association
- October 6 OAOP virtual lecture
- October 7-10 American Academy of Optometry
- October 14 Intrepid webinar with Justin on Glaucoma innovation
- October 16-17 Missouri Optometric Association Branson, MO
- October 16-17 Review of Optometry virtual lecture
- October 18 Antoinette Parvis virtual CE lectures
- October 18-19 North Dakota Optometric Association
- November 17 Indiana Optometric Association
- November 18 Richmond VA society webinar
- November 21 GWCO virtual lectures
- November 21 SECO University webinar

- December 2 Wisconsin Optometric Association
- December 4 Tulsa Winter Weekend
- December 5 Maine Optometric Association
- December 9 National Glaucoma Society Webinar

2019 CE Lectures

- January 10-13 NSU Advanced Procedures Tahlequah, OK
- January 16 Montana JP Hour Webinar
- January 20-26 Pacific U Island Eyes Big Island, HA
- January 31-Februay 1 Wyoming Optometric Association
- February 11 PRK course Broken Arrow, OK
- February 14-15 Texas Optometric Association Austin, TX
- February 16-17 Heart of America Kansas City, MO
- February 20-24 SECO New Orleans, LA
- February 24 Illinois Optometric Association Chicago, IL
- February 27 Tennessee Optometric Association Nashville, TN
- February 27 National Glaucoma Society webinar
- March 7-8 Minnesota Optometric Association
- April 4-6 OAOP OKC
- April 11-12 Chu Vision Minneapolis, MN
- April 13 PSS Eye care Dana Point, CA
- April 26-27 Newfoundland Advanced Certification Course
- May 3-4 Glaucoma Boot Camp Indianapolis, IN
- May 16-19 PCO Advanced Procedures Elkins Park, PA
- June 6-7 Utah Optometric Association Salt Lake City
- June 13-16 Alberta Advanced Procedures
- June 19-23 Optometry's Meeting/AOA Advanced Procedures St. Louis
- July 10-13 NSU Advanced Procedures Tahlequah, OK
- August 17-18 Tennessee Laser Procedures Course Franklin, TN
- September 6 Vermont Optometric Association Stowe, VT
- September 7-8 Primary Eye Care Update Tahlequah, OK
- September 12-15 Maine Advanced Procedures Course Augusta, ME
- September 18-19 Vision Expo West Las Vegas
- September 20-21 Minnesota Optometric Association
- September 22 PSS Eyecare Mystic Lake, CT
- September 29 Fraser Eye Detroit, MI
- October 3-5 Mississippi Optometric Association Jackson, MS
- October 5-6 U. of Houston CE Austin, TX
- October 12-13 PSS Eye care Orlando, FL
- October 23-26 American Academy of Optometry Orlando
- October 30 Nevada Optometric Association Las Vegas
- November 1-2 West Virginia Optometric Association
- November 3 PSS EyeCare Atlanta, GA
- November 7-8 Vision Institute CE meeting Toronto, Ontario
- November 9-10 North Carolina Optometric Association Charlotte, NC
- November 15-17 Wisconsin Surgery Course
- December 6-7 Tulsa Winter Weekend CE Tulsa, OK
- December 11 National Glaucoma Society Webinar
- December 12-15 Kansas Advanced Procedures Course

Publications

- Lighthizer N. OCT-A Allows Clinicians to Identify Patients with Vascular Compromise. Primary Care Optometry News. August 2019.
- Picioreanu S, Lighthizer N. OCT-Angiography (OCT-A) A New Ally in the Diagnosis and Management of Diabetic Retinopathy. Modern Optometry. June 2019.
- Stout N, Lighthizer N. Glaucoma Surgery Co-Management. Optometric Management. June 2019
- Escobedo E, Lighthizer N. Corneal Ulcers: Sterile But Not Benign. Review of Cornea and Contact Lens. September/October 2018.
- Miller J, Lighthizer N. Know the Benefits of Adopting Neuroimaging. Optometry Times. November 2017.
- Harsch A, Stout S, Lighthizer N, Mangan R. Stage 3 Dry Eye Treatments: Punctal Cautery. Advanced Ocular Care. October 2017.
- Lighthizer N. Integrate VEP and pERG. Optometric Management. September 2017.
- Gelles J, Hauswirth S, Johnston J, King B, Lighthizer N, Schweitzer J. Updates on Ocular Surface Disease, Glaucoma, and Cataract Co-Management. Insert in Advanced Ocular Care. April 2017.
- Runyon R, Lonsberry B, Lighthizer N. Injectable Medications in Ocular Care. Review of Optometry. March 2017.
- Gonzalez A, Lighthizer N. Electrophysiology Facilitates Earlier Diagnosis for a Range of Ocular Conditions. Primary Care Optometry News. March 2017.
- Harsch A, Stout N, Lighthizer N. Beat the Blepharitis Blues. Review of Cornea and Contact Lenses October 2016
- Bruce E, Bendure R, Krein S, Lighthizer N. Zoom in on Gonioscopy: Part 7 in a Seven Part "Essential Procedures" Series. Review of Optometry October 2016
- Gillogly A, Stout N, Lighthizer N. Plug the Drain with Lacrimal Occlusion: Part 6 in a Seven Part "Essential Procedures" Series. Review of Optometry June 2016
- Shetler J, Miller J, Lighthizer N. Laser Guided Remedies: A Modern Approach to Iridotomy: Part 5 in a Seven Part "Essential Procedures" Series. Review of Optometry May 2016
- Robinson J, Ellen J, Hadel B, Lighthizer N. Collecting a Corneal Culture: Part 6 in a Seven Part "Essential Procedures" Series. Review of Optometry April 2016.
- Urban B, Ramey J, Bunch R, Lighthizer N. Scoring an A+ on a B-scan: Part 3 in a Seven Part "Essential Procedures" Series. Review of Optometry March 2016
- Lighthizer N, Ellis B. Learn to Burp Corneal Wounds Without a Hiccup: Part 2 in a Seven Part "Essential Procedures" Series. Review of Optometry February 2016
- Lighthizer N. Get Laser Focused on the Appropriate Glaucoma Treatment: Part 1 in a Seven Part "Essential Procedures" Series. Review of Optometry January 2016.

- Ellis B, Boucher K, Lighthizer N. "Capping Off" Cataract Surgery: Part 6 in a Six Part "How To" Series. Review of Optometry June 2015.
- Hatley J, Lighthizer N. How to Impress (and Express) Your Patients: Part 5 in a Six Part "How To" Series. Review of Optometry May 2015.
- Ellen J, Lighthizer N. Perform DBD with ASP for Stubborn RCE: Part 4 in a Six Part "How To" Series. Review of Optometry April 2015.
- Province-Perry M, Smith A, Lighthizer N. How to Make Your Patient's Stop Crying: Part 3 in a Six Part "How To" Series. Review of Optometry March 2015.
- Ryff K, Ryff B, Lighthizer N. How to Insert and Remove an Amniotic Membrane Graft: Part 2 in a Six Part "How To" Series. Review of Optometry February 2015.
- Shetler J, Lighthizer N. Appropriate Corneal Foreign Body Removal: Part 1 in a Six Part "How To" Series. Review of Optometry. January 2015.
- Lighthizer N. Surgical Minute: Cloudy With A Chance of Lasers (YAG Laser Cap). Review of Optometry. November 2014.
- Lighthizer N. Surgical Minute: Narrow Angles, Open Minds (Laser PI). Review of Optometry. October 2014.
- Lighthizer N. How to Rx the Lowest Cost Drug for your Patient. Review of Optometry. February 2014.
- Lighthizer N, Skorin L. Rapid Diagnosis in Ophthalmology: Neuro-Ophthalmology: Book Review. Clinical & Surgical Ophthalmology 2009; 27(3): 95. Reprinted in Clinical & Refractive Optometry 2009; 20(3): 94.
- Lighthizer N, Skorin L. Rapid Diagnosis in Ophthalmology: Retina: Book Review. Clinical & Surgical Ophthalmology 2009; 27(2): 66. Reprinted in Clinical & Refractive Optometry 2009; 20(2): 58.
- Lighthizer N, Skorin L. Botulinum toxin to treat entropion. Optometry Pharma 2009; December: 24-25.
- Lighthizer N, Skorin L. Current ocular drug delivery challenges. Optometry Pharma 2009; March: 16-7.
- Skorin L, Lighthizer N. Multiple sclerosis and optic neuritis. Contemporary Optometry 2009; 7(2): 1-8.
- Lighthizer N, Skorin L. Pseudotumor cerebri. The Indian Optician 2009; 40(232): 202-06.
- Lighthizer N, Skorin L. Giant cell arteritis. The Indian Optician 2008; 40(231): 196-204.
- Skorin L, Lighthizer N, Hua L. Traumatic optic neuropathy. Clinical & Surgical Ophthalmology 2008; 26(11): 375-78. Reprinted in Clinical & Refractive Optometry 2009; 20(04): 102-07.
- Lighthizer N, Skorin L. Medical Contact Lens Practice: Book review. Clinical & Surgical Ophthalmology 2008; 26(12): 433. Reprinted in Clinical & Refractive Optometry 2008; 19(11): 354.
- Skorin L, Lighthizer N. Ocular ischemic syndrome. Clinical & Surgical Ophthalmology 2008; 26(10): 346-51. Reprinted in Clinical & Refractive Optometry 2008; 19(11): 328-33.

Books Published as Cover Author/Editor

• The Ophthalmic Laser Handbook. 1st Edition. Published by Wolters Kluwer August 2021. Cover authors/editors: Freisberg L, Lighthizer N, Skorin L, Stonecipher K, Zimmerman A.

Book Chapters Authored

- Lighthizer N. Selective Laser Trabeculoplasty (SLT). In: The Ophthalmic Laser Handbook, 1st edition. Edited by Freisberg L, Lighthizer N, Skorin L, Stonecipher K, Zimmerman A. Published August 2021.
- Lighthizer N. Chloroquine/Hydroxychloroquine Retinopathy. In: Ocular Therapeutics Handbook: A Clinical Manual, 4th edition. Edited by Bruce Onefrey, Leonid Skorin, Jr, and Nicky R. Holdeman. Published March 2011.
- Lighthizer N. Crystalline Retinopathy. In: Ocular Therapeutics Handbook: A Clinical Manual, 4th edition. Edited by Bruce Onefrey, Leonid Skorin, Jr, and Nicky R. Holdeman. Published March 2019.
- Lighthizer N. Retinal Artery Macroaneurysm. In: Ocular Therapeutics Handbook: A Clinical Manual, 4th edition. Edited by Bruce Onefrey, Leonid Skorin, Jr, and Nicky R. Holdeman. Published March 2019.
- Lighthizer N. Ocular Ischemic Syndrome. In: Ocular Therapeutics Handbook: A Clinical Manual, 4th edition. Edited by Bruce Onefrey, Leonid Skorin, Jr, and Nicky R. Holdeman. Published March 2019.
- Lighthizer N, Skorin L. Temporal Arteritis. In: Ocular Therapeutics Handbook: A Clinical Manual, 4th edition. Edited by Bruce Onefrey, Leonid Skorin, Jr, and Nicky R. Holdeman. Published March 2019.
- Lighthizer N. Cancer Associated Retinopathy. In: Ocular Therapeutics Handbook: A Clinical Manual, 4th edition. Edited by Bruce Onefrey, Leonid Skorin, Jr, and Nicky R. Holdeman. Published March 2019.
- Lighthizer N. White Dot Syndromes. In: Ocular Therapeutics Handbook: A Clinical Manual, 4th edition. Edited by Bruce Onefrey, Leonid Skorin, Jr, and Nicky R. Holdeman. Published March 2019.
- Lighthizer N. Chloroquine/Hydroxychloroquine Retinopathy. In: Ocular Therapeutics Handbook: A Clinical Manual, 3rd Edition. Edited by Bruce Onefrey, Leonid Skorin, Jr, and Nicky R. Holdeman. Published March 2011.
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- Lighthizer N. Cancer Associated Retinopathy. In: Ocular Therapeutics Handbook: A Clinical Manual, 3rd Edition. Edited by Bruce Onefrey, Leonid Skorin, Jr, and Nicky R. Holdeman. Published March 2011.
- Lighthizer N. White Dot Syndromes. In: Ocular Therapeutics Handbook: A Clinical Manual, 3rd Edition. Edited by Bruce Onefrey, Leonid Skorin, Jr, and Nicky R. Holdeman. Published March 2011.

Editorial Boards Served On

- Primary Care Optometry News
- Modern Optometry
- Presbyopia Physician

ASCO Activities

- ASCO podcast series: Students of Optometric Clinical Education. February, 2016
- ASCO Clinic Directors Meeting, San Antonio, TX. October, 2015.
- ASCO Clinic Directors Meeting, Phoenix, AZ. October, 2014.

Professional Affiliations

- American Academy of Optometry (AAO): Member (2007 Current)
- American Optometric Association (AOA): Member (7/09 Current)
- Oklahoma Association of Optometric Physicians (OAOP): (08/09 Current)
- American Society of Optometric Surgeons: Member (March 2021 Current)
- Intrepid Eye Society: Member (2014 Current)