

IN OFFICE PROCEDURES IN OPTOMETRY IN VERMONT

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Nate Lighthizer, O.D.

- 2009 graduate of Pacific University Oregon
- 2009-2010 residency at NSU Oklahoma College of Optometry
- Joined the faculty in 2010
- Chief of Specialty Care Clinics
 - Where our laser procedures are done
- Director of Continuing Medical Education (CME)
- Dean

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Laser Procedures, Injections, Lesion Removals, etc

- Training students receive during 4 years of optometry school
 1. Didactically in the classroom
 2. Practical/hands on training in the lab

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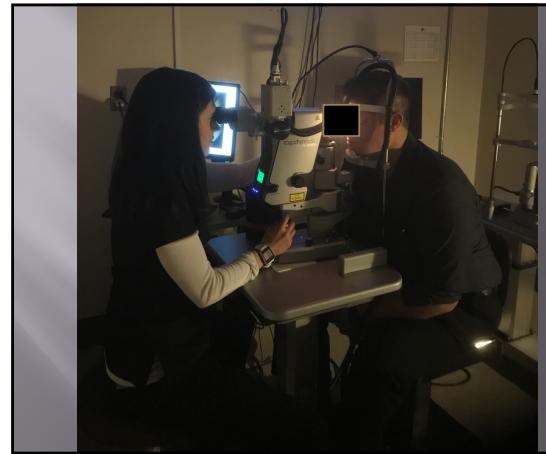


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Laser Procedures

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 4. Treating patients in the clinic
 - Doing procedures on actual patients

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Injections, Lesion Removals, Laser Procedures

- Training students receive during 4 years of optometry school
 - 1. Didactically in the classroom
 - 2. Practical/hands on training in the lab
 - 3. Written and proficiency testing
 - 4. Treating patients in the clinic
 - Doing procedures on actual patients
- Dentists – 4 years of dental school
 - Give injections in/around the mouth
 - Do all sorts of office-based procedures and injections after their 4 years of schooling

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What if a doctor graduated from optometry school 25 years ago?

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What if a doctor graduated from optometry school 25 years ago?

- Education continues after graduation
 - Training courses all across the country
- Just like MD's and DO's
 - What if an ophthalmologist graduated from medical school 30+ years ago before Lasik came about?
 - Went to a 1 day or weekend training seminar
- How to get more privileges for doing procedures in other professions?
 - apply for credentials at the hospital where the doctor practices. How do you get credentialed?
 - Involves showing training was received at a continuing education seminar.

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NSUOCO Advanced Procedures Tulsa, Oklahoma		
Thursday, July 7, 2022	Friday, July 8, 2022	Saturday, July 9, 2022
1:00-2:00 p.m. Intro to Ophthalmic Surgery and Ophthalmic Surgical Instruments Dr. Castillo	12:00-1:00 p.m. Lunch Provided 1:00-2:00 p.m. Intro to Suturing Dr. Castillo	4:00-5:00 p.m. Laser Therapy in Narrow Angles/Angle Closure: IPI and Jeff Miller, O.D.
2:00-3:00 p.m. Review of Surgical Anatomy of the Face Dr. Castillo	2:00-6:00 p.m. Suture Techniques Lab Dr. Castillo, Lightbizer, Miller & Peniston	5:00-6:00 p.m. YAG Laser Posterior Capsulotomy Nathan Lightbizer, O.D.
3:00-4:00 p.m. Oculofacial Surgical Asepsis Dr. Castillo	8:00-9:00 a.m. Lab Rotations Intrusion Techniques Dr. Miller & Peniston	6:00-7:00 p.m. Managing Potential Laser Complications Richard Castillo, O.D., D.O.
4:00-5:00 p.m. Review of Eyelid Anatomy & Eyelid Lesions Dr. Lightbizer	9:00-10:00 a.m. Radiosurgical Techniques Dr. Lightbizer	7:00-8:00 p.m. MedicoLegal Aspects of Anterior Segment Laser Procedures Panel Discussion Dr. Castillo, Lightbizer, Miller & Peniston
5:00-6:00 p.m. Dinner Provided	10:00-11:00 a.m. Oculofacial Biopsy Dr. Castillo	8:00-9:00 a.m. Sunday, July 10, 2022 Breakfast Provided
6:00-7:00 p.m. Office-based Local Anesthesia Dr. Castillo	7:00-8:00 a.m. Laser Physics, Hazards & Safety Neal Whittle, OD	7:00 a.m. Lab Rotations
7:00-8:00 p.m. Radio Frequency Surgery in Ophthalmic Practice Dr. Lightbizer	7:00-8:00 a.m. Hot Breakfast Provided Neal Whittle, OD	YAG Capsulotomy Dr. Castillo
8:00-9:00 p.m. Introduction to Oculofacial Biopsy Dr. Castillo	9:00-10:00 a.m. Laser Tissue Interactions Neal Whittle, O.D.	Laser Peripheral Iridotomy Dr. Miller
Friday, July 8, 2022	10:00-12:00 p.m. Clinical Workshops: Intro to Therapeutic Laser Dr. Lightbizer & Whittle	Gonioscopy & Laser Lenses Dr. Peniston
7:00-8:00 a.m. Hot Breakfast Provided	12:00-1:00 p.m. Learning How to Interpret What You See What You See Seminar Doug Peniston, O.D., Ph.D.	Laser Trabeculoplasty: ALT & SLT Dr. Lightbizer
8:00-9:00 a.m. Chalazion Management Dr. Lightbizer	1:00-2:00 p.m. Lunch Provided	11:30-1:00 p.m. Review & Final Exam Nathan Lightbizer
9:00-12:00 p.m. Video Grand Rounds & Surgical Concepts Dr's Lightbizer & Castillo	2:00-4:00 p.m. Laser Therapy for the Open Angle Glaucomas: ALT & SLT Nathan Lightbizer, O.D.	Thank you!

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About that training course....

- From a laser rep that was at one of our courses for the first time, and works extensively with ophthalmology and optometry
 - "That's the best SLT training I've ever seen."
- From an Ophthalmologist in the UK that was at the UK laser course that we put on in December 2021
 - "I wish we had training this good when I started performing laser procedures"

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SLT

- Huge public health win for VT citizens if Optometrists had the law to allow SLT

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SLT

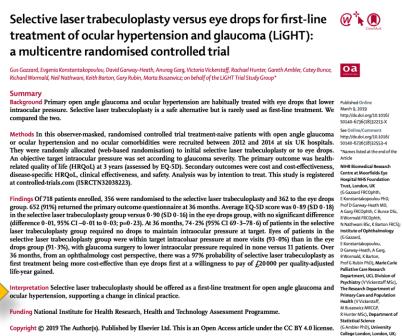
- Huge public health win for VT citizens if Optometrists had the law to allow SLT
- Traditionally, the options for first line glaucoma treatment
 - Eye drops
- Patients:
 - Struggle with eye drop compliance
 - Struggle with instilling their eye drops
 - Also have dry eye - glaucoma drops help to lower their eye pressure, but can worsen their dry eye

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SLT

- Huge public health win for VT citizens if Optometrists had the law to allow SLT
- 2 options for first line glaucoma treatment
 - Eye drops
 - SLT laser

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LiGHT trial 6 year data

- Released Sept 2022
- At 6 years:
 - SLT had better scores in the GSS (glaucoma symptoms scores) quality of life measurement
 - 69.8% of SLT patients remained at or below target without other intervention
 - More eyes in the drop arm exhibited disease progression (26.8% vs 19.6%)***
 - Trabeculectomy required in 32 eyes in drop arm, 13 eyes in SLT arm
 - More cataract surgeries in the drop arm (95 compared to 57) – statistically significant
 - No serious laser related adverse events
- Conclusion
 - SLT is a safe treatment for OAG and OHT, providing better long-term disease control than initial drop therapy, with reduced need for incisional glaucoma and cataract surgery over 6 years.

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