

Dr. Caroline Watson Research, Publications and Speaking Engagements

Research Experience

Research Fellow, The Eye Institute of West Florida, July 2021 - July 2022

I am involved in several FDA trials, Independent Investigator Trials, technology and product development, and clinical research projects throughout the year.

Research assistant, Tulane Department of Ophthalmology October 2015 - June 2021

A novel method of measuring the diameter of Schlemm's canal in pediatric patients with and without glaucoma, Dr. Ramesh Ayyala, Professor of Ophthalmology and Director of Residency and Fellowship (Glaucoma) Programs and Director of Glaucoma Services

Research assistant, UAB Callahan Eye Hospital Summer 2015 - 2018

Dehiscence of Posterior Hyaloid Face as a clinical variant seen in patients with Traction Maculopathy, Dr. Doug Witherspoon, Associate Professor and director of the UAB Vitreoretinal Fellowship Program.

Traction Maculopathy associated with a Dehiscence of the Posterior Hyaloid face and with underlying Fibrotic Internal Limiting Membrane involving the central macula and fovea, Dr. Doug Witherspoon Associate professor and director of the UAB Vitreoretinal Fellowship Training Program.

Research assistant, UAB Callahan Eye Hospital Fall 2015 – 2018

Safety of Anticoagulant Use Perioperatively during Vitreoretinal Surgery, Dr. John Mason vice president of Retina Consultants of Alabama

Research Intern, UAB Hospital: Department of Cardiothoracic Surgery Summer 2016

UAB CaRES Cancer Research Internship, *Quality Outcomes for Pediatric Oncologic Thoracic Patients. A team approach*. Dr. Robert Cerfolio, Chief and Associate Professor of Thoracic Surgery Department, UAB. This is a paid 12-week internship through UAB. Students are selected based on their academic standing and research experience.

Research Intern, UAB Hospital: Department of Cardiothoracic Surgery Summer 2015

UAB CaRES Cancer Research Internship. *The True Incidence of Thoracic Lymph Node Metastases in Patients with Pulmonary Neuroendocrine (Carcinoid) tumors*. Dr. Robert Cerfolio, Chief and Associate Professor of Thoracic Surgery Department, UAB. This is a paid 12-week internship through UAB. Students are selected based on their academic standing and research experience.

Research Assistant UAB Hospital: Department of Cardiothoracic Surgery September 2014 - present

Spent the 2014-2015 school year to participate in research in the Cardiothoracic Surgery Department to gain invaluable experience in clinical research.

Research Assistant UAB Children's Hospital: Department of Neurosurgery Summer 2013 - Spring 2015

Spent the summer of 2013 between M1 and M2 doing research under the observation of Dr. Shane Tubbs. Completed and collaborated on 6 projects.

Florida State University Spring 2011 - Spring 2012

Completed an Honors Thesis project under the observation of Dr. Paul Trombley. Project's goal was measuring five exclusive monoamines with HPLC analysis in order to determine what underlies the cellular and molecular basis of circadian rhythms in the olfactory bulb utilizing tissue extractions.

Florida State University Summer 2010 - Fall 2010

Selected for a Directed Individual Study under Dr. Paul Trombley. Learned to do tissue cultures, brain dissections, and successfully run a High-Performance Liquid Chromatography machine.

University of South Alabama Spring 2008

Selected for a Directed Individual Study under Dr. Azin Agah. Assisted in performing Western Blots in order to analyze proteins involved with angiogenesis, tissue repair, and scar formation; focused on scleroderma, fibrosis and extracellular matrix processes, and variation from normal tissue.

FDA Trials & Ongoing Studies

1. A Prospective Study of the Efficacy of Intracameral Dexamethasone (Dexycu™) Compared to Standard of Care Treatment for Post-Cataract Surgical Pain and Anterior Chamber Inflammation — Protocol EIWF- EP001.
2. RxSight Light Adjustable Lens (LAL) and Light Delivery Device (LDD) New Enrollment Study. — Protocol CSP-029
3. Surgical Time and Efficiency Comparing Two Digital Heads-up 3D Surgical Visualization Systems.
4. Comparison of Regression of Femtosecond Laser Arcuate Incisions for Astigmatism Correction at the Time of Cataract Surgery
5. Uncorrected Vision, Patient Satisfaction and Spectacle Freedom Comparing Diffractive Optics vs. Monofocal Monovision
6. Advantages and Complication Avoidance Utilizing 3D Digital Heads-up Visualization System for Early Surgical Training

Publications

Diakonis, V. F., Kymionis, G. D., Tsaousis, K. T., Bondurant, R. C., **Watson, C. C.**, Koulotsiou, K. G., & Weinstock, R. J. (2025, August 13). Contralateral randomized comparison between intracameral extended-release dexamethasone 9% suspension placed in the capsular bag with the established post-cataract regimen. *Advances in Therapy*. Advance online publication.

<https://doi.org/10.1007/s12325-025-03306-4>

Watson, CW, Schneider RS, Ofenloch, Z, Waring, GW. *Analysis of Presbyopia Correction Strategies*. touchREVIEWS in Ophthalmology (submitted) May 2024

Iwanaga J, Anand MK, Camacho A, Rodriguez F, **Watson C**, Caskey E, Dumont A, Tubbs RS. *Surgical Anatomy of the Internal Carotid Plexus Branches to the Abducens Nerve in the Cavernous Sinus*. Clinical Neurology and Neurosurgery January 2020.

Ultrasound biomicroscopy measurement of Schlemm's canal in pediatric patients with and without glaucoma. Tandon A, **Watson C**, Ayyala R ;J AAPOS. 2017 May 22



Gannon W, **Watson CC**, Mason JO. *Safety Of Anticoagulant Use Perioperatively During Vitreoretinal Surgery* poster presentation at The American Academy of Ophthalmology annual meeting in October 2016.

Watson CC, Cleveland D, Bryant AB, Kirklin JK. *Congenitally Corrected Transposition of the Great Arteries: Resiliency of Left Ventricle to Pulmonary Artery Conduits*

Cerfolio RJ, **Watson CC**, McKenna R. The True Incidence of Thoracic Lymph Node Metastases in Patients with Pulmonary Neuroendocrine (Carcinoid) tumors. The Society of Thoracic Surgeons 52nd Annual Meeting (abstract submitted)

Cerfolio RJ, **Watson CC**, DeCamp M. Achieving a 3-Star STS Lobectomy Ranking by using Continuing Process Improvement, Lean Methodology and Root Cause Analysis. The American Association for Thoracic Surgery 96th Annual Meeting May 2015 (accepted for presentation at meeting)

Cerfolio RJ, **Watson CC**, Calloway S, Minnich DJ, Wei B, *100 Planned Robotic Segmentectomies. Early Results, Technical Details and Preferred Port Placement*. Southern Thoracic Surgical Association Annual Conference, abstract submitted April 2015 (presented at STSA 2015 meeting in Orlando, FL).

Cerfolio RJ, **Watson CC**, Calloway S, Minnich DJ, Wei B, *100 Planned Robotic Segmentectomies: Early Results, Technical Details and Preferred Port Placement*. Annals of Thoracic Surgery, Submitted April 2015 (in print)

Watson CC, Cerfolio RJ. *Identifying characteristics that favor complete thoracic lymphadenectomy over lymph node sampling in patients with Non-Small Cell Lung Cancer*. Submitted for presentation at the Western Thoracic Surgical Association meeting, Whistler, British Columbia, Summer 2015.

Zaccagni H, Alten J, Borasino S, **Watson CC**. *Colloid Fluid Administration in the First 24 Hours After Fontan Operation Predicts Hospital Length of stay*. Abstract accepted and presented at The Pediatric Cardiac Intensive Care Society 10 International Conference. December 2014

Cohen-Gadol A, Tubbs RS, Tubbs I, Barton J, **Watson CC**, Loukas M, Barbaro N, *A Novel Method for Sciatic Nerve Decompression: Cadaveric Feasibility Study with Potential Application to Patients with Piriformis Syndrome*. Journal of Neurosurgery, 2014 September 05.

C.C. Watson, "Anatomy of the Medial Cord and its Branches," in *Nerves and Nerve Injuries*, 3e, R.S. Tubbs, Ed. San Diego, CA: Elsevier, 2014, Chapter 41.

Watson CC, Griessenauer CJ, Johnston JM, Tubbs RS. *Lambdoidal synostosis in dizygotic twins with a family history of an undiagnosed connective tissue disorder*. Childs Nervous System, 2013 November 6

Watson CC, Griessenauer CJ, Loukas M, Blount JP, Tubbs RS. *William Watson Cheyne (1852-1932): A life in medicine and his innovative surgical treatment of congenital hydrocephalus*. Childs Nervous System, 2013 July 10

Corthell JT, Stathopoulos AM, **Watson CC**, Bertram R, Trombley PQ, *Olfactory bulb monoamine concentrations vary with time of day*. Neuroscience, 2013 May 30



Professional Presentations

Poster presentation at AECOS Deer Valley, July 12, 2025

Presenter for Rx Sight: Booth Talk ASCRS Los Angeles, April 26, 2025

Presenter for Johnson & Johnson Vision: Lunch Symposium ASCRS Los Angeles, April 26, 2025

Presenter at YoungMD Connect Meeting: Five Signs You Should Be a Cataract & Refractive Surgeon, Austin, TX, March 29, 2025

Presenter at American-European Congress of Ophthalmic Surgery Winter Symposium: Multifocal IOLs in Post Refractive Patients. Aspen, CO, February 25, 2025

Presenter at Caribbean Eye Meeting: Corporate Sponsored Lunch Symposium | Johnson & Johnson: Maximizing Outcomes with TECNIS Odyssey™: Full Visual Range IOL; Cabo, Mexico February 2, 2025

Presenter at Caribbean Eye Meeting: Threading the Needle: Navigating RK Challenges with Bimanual Precision. Cabo, Mexico February 2, 2025

Presenter at American-European Congress of Ophthalmic Surgery Winter Symposium: Ocular Surface Rejuvenation. February 27, 2024

Presenter at Caribbean Eye Meeting: Outcomes with Injectable Human Corneal Endothelial Cell Therapy. Cancun, Mexico February 3, 2024

Presenter at Caribbean Eye Meeting: Extending the Range of Vision with EDOF Technology. Cancun, Mexico February 4, 2024

Presenter at Bausch and Lomb Resident Cataract Course. Incisions and Astigmatism. Largo, Florida December 2, 2023

Presenter at Kiawah Eye Meeting: Zonulopathy Management. Kiawah Island, South Carolina June 2, 2023

Presenter at Kiawah Eye Meeting: Switching to Bimanual Phacoemulsification: A Steep Learning Curve. Kiawah Island, South Carolina June 3, 2023

Presenter at Caribbean Eye Meeting organized by American College of Eye Surgeons. Sponsored by Dompe: NK Considerations: Early Diagnosis and Corneal Healing in NK. Los Cabos, Mexico February 4, 2023

Presenter at Caribbean Eye Meeting organized by American College of Eye Surgeons. Ocular Surface Reconstruction with Amniotic Membrane Grafts. Los Cabos, Mexico February 4, 2023

Presenter at Caribbean Eye Meeting organized by American College of Eye Surgeons. Patient Selection Strategy for Presbyopia Correcting Refractive Cataract Surgery. Los Cabos, Mexico February 5, 2023

Presenter at Caribbean Eye Meeting organized by American College of Eye Surgeons. Sponsored by Zeiss: Getting a SMART Start With SMILE. Los Cabos, Mexico February 5, 2023



Paper accepted for presentation at ASCRS. "Uncorrected Vision, Patient Satisfaction and Spectacle Freedom Comparing Diffractive Optics vs. Monofocal Monovision". Washington, DC April 24, 2022

Paper accepted for presentation at ASCRS. "Advantages and Complication Avoidance Utilizing 3D Digital Heads-up Visualization System for Early Surgical Training". Washington, DC April 23, 2022

Presenter at Caribbean Eye Meeting organized by American College of Eye Surgeons. "The Future of 3D Technology at Cataract Surgery". Rio Grande, Puerto Rico February 4, 2022

Presenter at Larry Mayes Research Society Meeting: "100 Planned Robotic Segmentectomies: Early Results, Technical Details and Preferred Port Placement". Tuscaloosa, AL December 1, 2015

Presenter at Southern Thoracic Surgical Association 62nd Annual Meeting: "100 Planned Robotic Segmentectomies: Early Results, Technical Details and Preferred Port Placement". Orlando, FL November 2015

Presenter at Tulane University Department of Ophthalmology Grand Rounds: "Early Recognition and First Line Treatment Protocol for Capillary Hemangioma: A Case Study". New Orleans, LA October 2015

Presenter at UAB Cardiothoracic Department Surgical Lecture Series: "Congenitally Corrected Transposition of the Great Arteries: History and Surgical Options" March 2015

Presenter at UAB Cardiothoracic Department Surgical Lecture Series: "Ebstein's Anomaly: A Case Report" November 2014

Presenter at Society for Neuroscience in New Orleans, Louisiana Fall 2012, Presentation Entitled: "Olfactory bulb monoamine concentrations vary with time of day"

Presenter at 7th annual ACC Meeting of the Minds conference in Blacksburg, Virginia Spring 2012, Presentation Entitled: "Olfactory Bulb Circadian Rhythms"

Presenter at Tri Beta National Honor Society National conference in San Juan, Puerto Rico Summer 2012, Presentation Entitled: "Rhythmic Expression of Monoamines in the Olfactory Bulb"

Trade Publications

Watson, CW. A Vital Side Hustle MillennialEYE May/June 2021.

Watson, CW. Evolution of the Private Practice Model CRST September 2022

Watson, CW. Buratto, L; Lockington, D Micheletti, JM; Swann,FB. Management Strategies for an Unhappy Patient CRST July 2022

Watson, CW, Yeu, E. Why Should I Care About Blepharitis. Corneal Physician April 2023

Watson, CW. Using Cryopreserved Amniotic Membranes for Pre-Surgical Ocular Surface Optimization. Eyes on Eyecare. November 2023



Watson, CW, Loden, JC. Offering Aesthetic Procedures in Your Practice. CRST November 2023

Watson, CW. Ocular Surface and Lid Margin Optimization Prior to Refractive Cataract Surgery. Presbyopia Physician December 2023

Watson, CW, Shafer, BM, Patel, PS. Building a Private Practice. Ophthalmology Management. December 2023

Watson, CW. One to Watch: YoungMDConnect January 2024

Watson, CW, Lobanoff, M. SeeNa: One Device That Does the Work of Two for Improved Efficiency and Workflow. Ophthalmology Management. April 2024

Watson, CW. Leveraging Technology as a Practice Builder. CRST September 2024 Watson, CW. Guest Editor Ophthalmology Management Cataract Edition. Sept 2024

Watson, CW. Mattossian, C. Dry Eye Disease Management for the Modern Refractive Cataract Surgery Practice. Ocular Surface News, Ophthalmology Management. September 2024

Watson, CW. Efficiency Through Advanced Software Solutions: Leveraging Technology to Build a Practice. CRST September 2024 (Accepted, awaiting publishing)

Watson, CW. Debunking the Myth: 3D Heads-Up Visualization in Cataract Surgery—Addressing Perceived Delays and Image Quality Compared to Optical Visualization. CRST October 2024

Watson, C. (2025, March 17). How cornea surgeons can expand access to interventional glaucoma treatment. The Ophthalmologist.

Speaking Engagements

Alcon AAO IOL Symposium November 2021

MicroSurgical Technologies September 2021

RxSight January 2022

Ngenuity Caribbean Eye February 2022

Beyeonics Millennial Eye March 2022

BVI/ASCRS April 2022

Ngenuity ASCRS April 2022

Dompe Kiawah Eye June 2022

Alcon Tampa Webinar December 2022

Dompe Caribbean Eye February 2023

Alcon Caribbean Eye February 2023

Alcon Millennial Eye March 2023

Alcon/Ngenuity ASCRS May 2023

Alcon/Lunch Symposium ASCRS May 2023

Kiawah Eye: Helio June 2023

Dompe Speakers Bureau Tupelo, Mississippi August 2023

Dompe Speakers Bureau Huntsville, Alabama October 2023

Tarsus Speakers Bureau Huntsville, Alabama November 2023

B&L Resident Cataract Course Clearwater, FL December 2023

Biotissue National Sales Meeting February 2024

Tarsus ASCRS Symposium Boston, MA April 2024



Biotissue Speakers Bureau Huntsville, AL April 2024
Biotissue Dinner Symposium Huntsville, AL April 2024
Johnson & Johnson Speakers Bureau Jacksonville, FL May 2024
Tarsus Xdemvy Webinar May 2024
Johnson & Johnson Odyssey Launch Symposium, Dallas, TX August 2024
B&L Resident Cataract Course Clearwater, FL December 2024
B&L National Sales Meeting Phoenix AZ January 2025
Johnson & Johnson Lunch Symposium: Odyssey Cabo San Lucas, Mexico February 2025
Tarsus Speakers Bureau Asheville, NC March 2025
Tarsus Speakers Bureau Paduka, KY March 2025
Sight Sciences Lunch Symposium YMDC Austin, TX March 2025
AECOS Session Moderator Deer Valley, UT July 2025
Tarsus Speakers Bureau Pensacola FL August 2025
Tarsus Speakers Bureau Biloxi MS September 2025
Tarsus Speakers Bureau Memphis TN October 2025
Tarsus Speakers Bureau Tulsa OK November 2025
Biotissue Speakers Bureau Baton Rouge LA November 2025
Tarsus Speakers Bureau St. Louis MO November 2025
Tarsus Speakers Bureau Huntsville AL November 2025



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