### Kimberly P. Cockerham, MD, FACS

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Oculofacial Plastics Surgery Eyelid and Orbital Oncology Thyroid Eye Disease Adult Strabismus Neuro-Ophthalmology

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### EDUCATION

| 1978-1983 | University of California San Diego<br>B.A. in Biology with Honors ( <i>Cum Laude)</i>   |
|-----------|---|
| 1980-1981 | San Diego Community College<br>Emergency Medical Technician (E.M.T.)  |
| 1983-1987 | George Washington University School of Medicine<br>Doctor of Medicine (M.D.)<br><i>Alpha Omega Alpha Honor Society</i>                              |
| 1987-1988 | Letterman Army Medical Center<br>Intern, Department of Surgery  |
| 1989-1992 | Walter Reed Army Medical Center<br>Resident, Department of Ophthalmology  |
| 1992-1993 | Walter Reed Army Medical Center<br>Fellow, Neuro-ophthalmology<br>Departments of Ophthalmology and Neurology  |
| 1994-1995 | Allegheny General Hospital<br>Fellow, Surgical Neuro-ophthalmology, Orbit, Plastic<br>Reconstruction. Departments of Ophthalmology and Neurosurgery |

### LICENSES AND CERTIFICATIONS

| 1987                | Diplomate, National Board of Medical Examiners   |
|---------------------|--|
| 1993/2003/2013/2023 | Board Certified, American Board of Ophthalmology |
| 1993 – present      | Department of Drug Enforcement BC9239415         |

| 2003 – present | California State | Medical License No | . G86885 |
|----------------|------------------|--------------------|----------|
|----------------|------------------|--------------------|----------|

#### **PRINCIPAL POSITIONS**

| 1995 -1998    | Director, Oculofacial Plastics, Orbital Disease and Surgical Neuro-<br>Ophthalmology. Walter Reed Army Medical Center, |
|---------------|--|
|               | Washington DC  |
| 1999 - 2004   | Co-Director/Director, Oculofacial Plastics, Orbital Disease and  |
|               | Neuro-Ophthalmology. Allegheny General Hospital, Pittsburgh,   |
|               | Pennsylvania   |
| 2004 – 2006   | Co-Director/Director, Oculofacial Plastics, Orbital Disease and  |
|               | Surgical Neuro-ophthalmology   |
|               | Associate Professor, Department Ophthalmology,   |
|               | UC San Francisco   |
| 2006 – 2022   | Adjunct Associate Clinical Professor, Stanford   |
|               | University. Department of Ophthalmology at Byers Eye Institute   |
| 2006-present: | Private Practice (Cockerham Eye Consultants)   |
| 2021- present | Senta Clinic, San Diego, CA  |
| 2022-present  | Alvarado Eye Associates/Nvision Eye Centers, Coronado, CA  |
| 2023-present  | NVision Clinical Research, LLC at Senta Clinic, Contractor,<br>Principal Investigator                                  |

#### TEACHING

Participated in the training of 45 Fellows including primary preceptor to 20 Oculofacial Plastics/Orbit/Neuro-ophthalmology fellows and participating preceptor to ENT fellows in Facial Plastics and Functional Endoscopic Sinus Surgery and Neurology fellows in Neuro-ophthalmology. Also participated in the training of numerous medical students, interns and residents at Walter Reed Army Medical Center, Bethesda Naval Medical Center, Allegheny General Hospital, UCSF and Stanford.

#### **HOSPITAL SERVICE**

Consultant for ED and Hospitalists: Sharp Grossmont Hospital, San Diego, CA Sharp Memorial Hospital, San Diego, CA Scripps Mercy Hospital, San Diego, CA

Dignity Health St Joseph's Medical Center Manteca Doctors Hospital, Manteca, CA; Sutter Memorial Hospital, Modesto, CA

Dignity Health St Joseph's Medical Center, Stockton, CA, Director of Ophthalmology for Emergency Medicine Residency and Transitional Internship

### **GOVERNMENT SERVICE**

| 1983-1998 | U.S. Army Medical Corps, Active-Duty Officer and               |
|-----------|--|
|           | Physician. Lt Col (promotable), honorable discharge, awarded 6 |
|           | medals of honor during service (see honors section)            |
| 1993-1998 | Assistant Clinical Professor, Department of Surgery. Uniformed |
|           | Services University of the Health Sciences, Bethesda, MD       |
| 2004-2019 | Consultant to Veterans Administration Health Care System       |
| 2020-2021 | Covid-19 Surge Force St Joseph's Medical Center, Stockton, CA  |
|           | California Health Corps  |
| 2023      | Expert Witness for the Federal Trade Commission in             |
|           | Amgen/Horizon Case   |

## PUBLIC SERVICE

| 2010-present | Let's Face It Together Foundation, Founder                            |
|--------------|---|
|              | Let's Face It Together is a 501(c)(3) public benefit corporation that |
|              | provides medicine, medical/surgical supplies and/or prosthetics for   |
|              | underinsured community members with facial, orbital, eyelid or        |
|              | neurologic dysfunction. LFITfoundation.org.                           |
| 2015 – 2017  | Vision Foundation   |
|              | Board of Directors  |
| 2015 - 2017  | March of Dimes Foundation Board of Directors                          |
| 2015 – 2018  | Rotary Member   |
| 2017 – 2022  | Bridge to Medicine Mentor   |
|              |   |

### HONORS AND AWARDS

| 1983 | National Service Ribbon, George Washington<br>University (GWU) |
|------|--|
| 1987 | Alpha Omega Alpha Medical Society, GWU                         |
| 1988 | Superior Unit Award, Letterman Army Medical                    |
|      | Center   |
| 1989 | Army Commendation Medal, McDonald Army                         |
|      | Medical Center   |
| 1991 | National Defense Service Medal,                                |
|      | Walter Reed Army Medical Center (WRAMC)                        |
| 1992 | Best Resident's Paper, WRAMC Biennial Meeting                  |
| 1993 | Best Fellow's Paper, North American Neuro-                     |
|      | ophthalmology Society  |
| 1993 | Superior Unit Award, WRAMC                                     |
| 1998 | Meritorious Service Medal, WRAMC for 15 years of active-duty   |
|      | service in the US Army as a physician, surgeon, and officer    |
| 2000 | Who's Who in Medicine, Who's Who in American Women             |
| 2002 | Merrill Reeh Pathology Award, American Society of Ophthalmic   |
|      | Plastics and Reconstruction Surgeons (ASOPRS)                  |
| 2003 | American Academy of Ophthalmology                              |
|      | Achievement Award  |

| 2005           | Star Award of Excellence, UCSF                                    |
|----------------|---|
| 2006           | Star Award of Excellence, UCSF                                    |
| 2006           | AAO Leadership Development Program                                |
| 2007           | Lifetime Achievement, Who's Who in Medicine                       |
| 2008           | Best of the Best, San Jose Magazine                               |
| 2008           | Best of the Bay, KRON 4   |
| 2008           | Heartbeat of America Award for Public Service                     |
| 2008           | Silicon Valley's Who's Who, San Jose Business<br>Journal          |
| 2009           | Best New Business, Los Altos Chamber of<br>Commerce               |
| 2010           | Senior Achievement Award, American Academy<br>of Ophthalmology    |
| 2011           | Distinguished Service Award, American Academy<br>Of Ophthalmology |
| 2003 – present | American College of Surgeons (FACS)                               |
| 2003present    | International Orbital Society                                     |
| 2005present    | America's Top Doctors for Cancer, Castle                          |
| •              | Connolly Medical LTD  |
| 2008present    | Selected by Peers: Best Doctors in America                        |
| 2009present    | America's Top Ophthalmologists, Castle Connolly<br>Medical LTD    |
| 2013           | Special Recognition Award, American Academy of Ophthalmology      |
| 2016           | Newsweek Magazine Best Doctors Award                              |
| 2017-2022      | Best of the Best 209 Magazine                                     |
| 2018 -2022     | SJ Magazine Best of the Best                                      |
| 2018 - 2022    | Top Doc 209 Magazine  |
| 2022 - 2024    | San Diego Modern Luxury, Featured Dynamic Women                   |
| 2023           | San Diego Medical Society, Physicians of Exceptional Excellence:  |
|                | Top Doctors   |

# **PROFESSIONAL ORGANIZATIONS**

| Fellow, American Academy of Ophthalmology (AAO)            |
|--|
| Fellow, North American Neuro-Ophthalmology Society (NANOS) |
| Member, Pennsylvania Ophthalmology Society                 |
| Member, Pennsylvania Medical Society                       |
| Member, American Medical Association                       |
| Fellow, American Society of Ophthalmic Plastic and         |
| Reconstructive Surgery (ASOPRS)                            |
| Fellow, American College of Surgeons (FACS)                |
| Member, International Orbital Society                      |
| Member, Beard Quickert Oculoplastics Society               |
| Member, California Academy of Ophthalmology (CAO)          |
| Member, Biomedical Engineering Society                     |
| Member, Santa Clara, and Santa Cruz County                 |
|  |

|                | Medical Societies  |
|----------------|--|
| 2006present    | Member, California Medical Society                         |
| 2009present    | Fellow, American Academy of Cosmetic Surgery               |
| 2009present    | Member, National Association for Professional              |
| •              | Women  |
| 2009 –present  | Member, Ophthalmic Women Leaders                           |
| 2009present    | Member, Women in Ophthalmology                             |
| 2011 –2022     | Member, San Joaquin, and Stanislaus Medical                |
|                | Societies  |
| 2021- present  | Member, San Diego Medical Society                          |
| SERVICE TO PRO | FESSIONAL ORGANIZATIONS                                    |
| 1998-present   | American Board of Ophthalmology; Oral Board                |
|                | Examiner   |
|                | Sections: External Disease, Pediatric Ophthalmology and    |
|                | Strabismus, Oculoplastics, Orbit and Neuro-ophthalmology   |
| 2000-2004      | North American Neuro-ophthalmology Society (NANOS); Fellow |
| 2000-2004      | NANOS; Member, Scientific committee                        |
| 2001-2003      | Team Ophthalmologist; Pittsburgh Pirates                   |
|                | Baseball Team  |
| 2003-2004      | Pennsylvania Medical Society Delegate                      |
| 2003-2004      | PMS; Member,   |
|                | Commission Communications and Technology                   |
| 2003-2010      | NANOS; Member,   |
|                | AAO Subspecialty Day committee                             |
| 2003-2010      | AAO, Curriculum committee                                  |
| 2003-2010      | AAO, Curriculum development for Board                      |
|                | recertification examination                                |
| 2004-2010      | NANOS; Member, CME committee/co-chair                      |
| 2005-2010      | NANOS; Member, Research committee                          |
| 2005-2010      | California Ophthalmology Society                           |
|                | Member, Legislative Affairs                                |
|                | Committee  |
|                | (California Academy of Eye Physicians and                  |
|                | Surgeons: CAEPS)   |
| 2006-2009      | NANOS; Member, Fellowship/Credentials committee            |
| 2006-2009      | AAO Prop Development for Neuro-                            |
|                | ophthalmology/Orbital Disease                              |
|                | Subsection of the Oral Board Examination                   |
| 2006-present   | AAO International Faculty Registry                         |
| 2006-2007      | AAO Leadership Development Program                         |
| 2007-2010      | Chairman of Legislative Affairs and Vice                   |
|                | President, California Academy of Eye Physicians            |
|                | and Surgeons (CAEPS)                                       |
| 2007-2010      | AAO COMPASS Panel for Oculoplastics/Orbit                  |
|                | Board Certification Curriculum development                 |

| 2007-2008    | CAO Leadership Development Program representative to Mid-<br>Year Forum, Washington D.C. |
|--------------|--|
| 2008-2013    | Councilor, American Academy of Ophthalmology   |
| 2010-2011    | President Elect, California Academy of Eye   |
|              | Physicians and Surgeons (CAEPS)  |
| 2011-2012    | President, California Academy of Eye Physicians  |
|              | and Surgeons (CAEPS)   |
| 2012-2019    | Communication Committee, CAEPS   |
| 2012-2013    | Academy of Sciences (Institute of Medicine);   |
|              | Committee on Long-term Consequences of Blast   |
|              | Injury   |
| 2013-2019    | Iris Registry/MIPS Committee for ASOPRS  |
| 2018-present | NANOS; Women in Neuro-Ophthalmology Steering Committee                                   |
|              | Member; Industry Interface Committee   |

# SERVICE TO PROFESSIONAL PUBLICATIONS

| 1995-present | Ad hoc reviewer for Ophthalmology, American Journal of<br>Ophthalmology, Archives of Ophthalmology, Journal of Neuro-<br>Ophthalmology and Journal of Ophthalmic Plastic and<br>Reconstructive Surgery, Journal of Neurosurgery, Archives of<br>Neurology, Orbit |
|--------------|--|
| 2003-2004    | Associate Editor, Allegheny County Medical Society Bulletin  |
| 2007-present | Editorial Board, <i>Ophthalmic Surgery News</i>  |
| 2007-2019    | Editorial Board, <i>AAO Eye Net Magazine</i>   |
| 2008-2019    | Medical Advisory Board, <i>Men's Health</i>  |

# UNIVERSITY/ HOSPITAL SERVICE

| 1995 - present | Stanford University, Department of<br>Ophthalmology:   |
|----------------|--|
|                | Annual Summer Course in Ophthalmology, Director/Co-Director  |
|                | (2004-2011) and Lecturer for Oculoplastics, Orbital Disease and Neuro-Ophthalmology Sections. Lab Instructor for Anatomy and |
|                | Surgical Wet Lab for Oculoplastics/Orbital Disease (2012-ongoing)  |
| 2005           | University of California, San Francisco VA Search Committee<br>Member  |
| 2005           | University of California, San Francisco Retina Search Committee<br>Director  |
| 2005           | University of California, San Francisco Clinical Practice Committee<br>Member  |
| 2005           | University of California, San Francisco Endowed<br>Chair Search Committee  |
| 2006           | University of California, San Francisco Otolaryngology Search<br>Committee Member  |
| 2006           | University of California, San Francisco Ophthalmology Search<br>Committee Member   |

| 2006          | University of California, San Francisco Ophthalmology Endowed<br>Chair Search Committee   |
|---------------|---|
| 2006-2010     | Stanford, Ophthalmology Course Co-Director  |
| 2006          | University of California, San Francisco Ophthalmology Day at QB3<br>Committee Member  |
| 2007-2009     | Stanford Stem Cell Research Committee   |
|               | Member, Alzheimer's   |
|               | Disease Section   |
| 2007 – 2008   | Stanford University, Department of ENT  |
|               | Facial Plastics Search Committee Member   |
| 2007 – 2008   | Stanford University, Department of Ophthalmology  |
|               | Oculoplastic/Orbit Search Committee Member  |
| 2008 - 2009   | El Camino Hospital, Risk Management Committee<br>Member   |
| 2010-present  | Stanford University Department of Ophthalmology   |
|               | Section Director/Lecturer/Panelist for Oculofacial Plastics/ Orbital and Neuro- Ophthalmology Sections annual BAOC.                 |
| 2019-2022     | Director of Ophthalmology for Emergency Medicine Residency and<br>Transitional Residency. St Joseph's Medical Center, Stockton, CA. |
| 2023-present. | Director of Neuro-ophthalmology, Sharp Neuroscience Center.<br>Sharp Grossmont Hospital, La Mesa, CA.                               |

# ADVISORY BOARDS AND BUSINESS RELATIONS

| 2009-present   | Reliable Review Service              |
|----------------|--------------------------------------|
| 2009-present   | Best Doctors Review Service          |
| 2009-2010      | Excaliard Dermal Scar Panel          |
| 2007–2011      | Renova Dermal Scar Panel             |
| 2007-2008      | Activatek                            |
| 2007-2011      | Galderma                             |
| 2008 - 2010    | SEAK – Expert Witness Advisory Board |
| 2008 - 2014    | Comp Partners Medical Review Board   |
| 2009 - 2011    | Fanminder                            |
| 2010 - 2011    | BMD Medical Consulting               |
| 2011 - 2012    | Pfizer Dermal Scar Panel             |
| 2010 - 2014    | DoctorBase                           |
| 2014 - 2015    | Cosmesys                             |
| 2007 - 2020    | Lumenis                              |
| 2007-present   | 3T Ophthalmics                       |
| 2019-present   | Horizon Therapeutics                 |
| 2019-present   | Spect                                |
| 2020- present  | Viridian Pharmaceuticals             |
| 2020 – present | Alma Lasers                          |
| 2023           | Horizon/Amgen                        |
|                | Immunovant                           |
|                | Genentech/Roche                      |
|                | Lassen                               |

Tourmaline ArgenX

# INVITED PRESENTATIONS: INTERNATIONAL

| 1995 | European Academy of Ophthalmology Meeting. Milan, Italy.<br>Idiopathic Intracranial Hypertension. Optic Nerve Disorders  |
|------|--|
| 1996 | Symposium.<br>Eye Advances 1996, International Congress on Advances in<br>Ophthalmology. Annual All India Ophthalmology Society Meeting.<br>Thyroid Eye Disease. Chandigarh, India.  |
| 1996 | Neuro-Ophthalmology Session, Annual All India Ophthalmology<br>Society Meeting. Chandigarh, India. Advances in Orbital Surgery<br>and Surgical Neuro-Ophthalmology. Idiopathic Intracranial<br>Hypertension.   |
| 1996 | Annual All India Ophthalmology Society Meeting. Chandigarh,<br>India. D.B. Chandra Memorial Oration: Sphenoid Wing<br>Meningiomas.   |
| 1998 | Annual Advances in Ophthalmic Plastics and Orbital Disease.<br>Hyderabad, India. Sixth Annual Kanchan Memorial Oration:<br>Controversies in the Management of Compressive Optic<br>Neuropathy. Other Lectures: Thyroid-Associated Orbitopathy and<br>The Diagnosis and Management of Lymphoid Proliferations.  |
| 1998 | EYE ADVANCE 98, Bombay, India. Gliomas and Meningiomas.<br>Advances in the Diagnosis of Idiopathic Intracranial Hypertension.<br>Advances in the Management of Thyroid Associated Orbitopathy.   |
| 2003 | International Orbital Symposium. Vancouver, Canada. The Role of Radiation in the Management of Sphenoid Wing Meningiomas.  |
| 2009 | International Orbital Symposium. Vancouver, Canada. Orbital<br>Inflammation. Orbital Tumors. Advances in the diagnosis and<br>management of Thyroid Eye Disease.   |
| 2009 | International Facial Plastics Symposium. Mexico City, Mexico.<br>Eyelid Rejuvenation Update. The Liquid Facelift. Facial<br>Rejuvenation in patients with medical conditions. Update on Facial<br>Rejuvenation with Fractionated Lasers.   |
| 2011 | Master's Course in Facial Plastics. Sydney, Australia. Non-surgical eyelid and facial rejuvenation.  |
| 2011 | Asian Pacific Association of Ophthalmology. Sydney, Australia.<br>Advances in Thyroid Eye Disease Diagnosis and Management.<br>3D Anatomy of the Eyelids, Orbit and Brain.<br>Aesthetic Applications for Botox. Surgical Management of Eyelid<br>Retraction.<br>Medical Management of Thyroid Eye Disease. Management of<br>Diplopia in Thyroid Eye Disease. Moderator for Ptosis, Lacrimal<br>and |
| 2012 | Socket Sessions.<br>Fusion Meeting, LV Prasad Institute's 25 <sup>th</sup>   |

|           | Anniversary Meeting, Hyderabad, India. Surgery for Upper Eyelid Retraction. Strabismus Correction in Thyroid Eye Disease. |
|-----------|---|
| 2013      | World Ophthalmology Congress, Abu Dhabi,  |
|           | United Arab Emirates. Stereo Anatomy of the Eyelids, Orbit and  |
|           | Lacrimal System from the Surgeon's Perspective. Advances in   |
|           | Medical Therapeutics for Thyroid Eye Disease.   |
| 2013-2021 | University of San Juan, Puerto Rico Annual Ophthalmology Course:  |
|           | Stereo Anatomy of the Eyelids, Orbit, Lacrimal System and Brain   |
|           | from the Surgeon's Perspective; Case Studies in Overlapping   |
|           | Oculoplastics, Orbit and Neuro-ophthalmology.   |
| 2013      | International Orbital Society; Vancouver Canada: Pearls to Help   |
|           | Thyroid Eye Disease Patients Look and Feel Better. New  |
|           | Treatment options for Lymphangiomas of the eyelids and orbits.  |
| 2014      | International Orbital Society, Capri Italy. The Role of Hormonal  |
| 0044      | Imbalance in Autoimmunity and Orbital Inflammation.   |
| 2014      | Oculofacial Plastics without Borders, Cancun, Mexico. Collagen  |
|           | Induction Therapy – Microneedling, Platelet Rich Plasma and   |
| 0040      | Novel Growth Factor Inducing Therapeutics.  |
| 2018      | IIRS International Ophthalmology Meeting, Chennai India.  |
|           | Innovative Drug Delivery System. Flavoprotein Fluorescence to   |
| 0040      | Identify Mitochondrial Dysfunction in the Eye.  |
| 2019      | International Orbital Society Meeting. Mallorca, Spain. Innovative  |
| 0004      | Drug Delivery System for Patients with Orbital Disease.   |
| 2024      | When Glaucoma is Not Glaucoma. Annual World Ophthalmology<br>Congress (WOC). Vancouver, BC.                               |

# INVITED PRESENTATIONS: NATIONAL AND REGIONAL

| 1994 - 2005       | Lancaster Basic Science Course. Waterville, Maine. Thyroid Eye Disease, Pseudotumor Cerebri, Orbital Manifestations of Neurologic Disease.   |
|-------------------|--|
| 1994              | Course Director and Instructor, Current Concepts in Ocular<br>Trauma. Walter Reed Postgraduate Course and Alumni Meeting.<br>Uniformed University of the Health Sciences. Bethesda, Maryland.  |
| 1994.             | Orbital Imaging. American Academy of Ophthalmology. San<br>Francisco, California.  |
| 1995-present      | Course Instructor, panelist and moderator @Stanford Basic<br>Science Course. Palo Alto, CA. Thyroid Eye Disease, Pseudotumor<br>Cerebri, Orbital Manifestations of Neurologic Disease, Management<br>of Thyroid Eye Disease,<br>Management of the tearing patient, 3D Anatomy of the Eyelids,<br>Orbit and Brain. The Pupil. |
| 1995              | Surgical Approaches to the Orbital Apex. International Skull Base<br>Meeting, Lanai, Hawaii  |
| 1995<br>1995-1996 | Surgical Management of Cranial Nerve Palsies. NANOS.<br>Orbital Imaging. Annual Meeting of the AAO.  |

| 1997      | Course Director and Instructor, Annual Tri-Service Ocular Trauma<br>Course Oculoplastics Section. Uniformed Services University of the                       |
|-----------|--|
| 2001-2005 | Health Sciences, Bethesda, Maryland.<br>Houston Basic Science Course. Houston, Texas. Thyroid Eye<br>Disease, Pseudotumor Cerebri, Orbital Manifestations of |
|           | Neurologic Disease, Myasthenia Gravis, Clinical Approach to Double Vision.   |
| 2001      | UCSD/San Diego Society of Ophthalmology.   |
| 2001      | The Diagnosis and Management of Thyroid-Associated Orbitopathy   |
|           | and Compressive Optic Neuropathy.  |
| 2001-2006 | Course Director and Instructor, Practical Diagnosis and  |
|           | Management of the Tearing Patient. Annual Meeting of the AAO.  |
| 2001      | Diplopia. AAO, Neuro-Ophthalmology Subspecialty Day.   |
| 2001      | Orbital Disease Update: Thyroid Eye Disease and Non-   |
|           | Glaucomatous Optic Neuropathy. Glaucoma, Cataract Consultants  |
|           | Spring Symposium.  |
| 2001      | Thyroid Eye Disease. Pittsburgh Ophthalmology Society Meeting.   |
| 2002      | Thyroid Eye Disease and Intracranial Hypertension. Annual Buffalo  |
|           | Ophthalmology Symposium.   |
| 2002      | The Diagnosis and Management of Optic Nerve Meningiomas. Mid   |
|           | Atlantic Update in Ophthalmology   |
| 2002      | Traumatic Optic Neuropathy. Multidisciplinary Approach to Trauma   |
|           | Symposium. San Antonio, Texas.   |
| 2002      | Approach to Post-Traumatic Eyelid Malposition.   |
|           | Interdisciplinary Problem Solving in Cranio-Maxillofacial Surgery.   |
|           | Cranio-Orbital Trauma. Pittsburgh, PA.   |
| 2002      | Thyroid Eye Disease. Annual Meeting of the Allegheny County  |
|           | Medical Society. Pittsburgh, PA.   |
| 2002      | Neurologic Causes of Optic Nerve Head Cupping. Annual  |
|           | Glaucoma/Cataract Consultants Fall Symposium.  |
| 2002      | Practical Approach to the Tearing Patient. Pittsburgh  |
|           | Ophthalmology Society Annual Meeting.  |
| 2002      | Course Director and Moderator, Symposium on Neural   |
|           | Hydrodynamics.   |
| 2002      | Tearing for the General Eye Practitioner. Southwestern Eye Center  |
|           | Fall Meeting. Washington, PA.  |
| 2003      | Compressive Optic Neuropathy. Ohio Ophthalmology Society   |
| 0000      | Annual Meeting. Dublin, Ohio.  |
| 2003      | Thyroid Eye Disease, Pseudotumor Cerebri and Compressive Optic   |
| 0000      | Neuropathy. University of Tennessee, Chattanooga, Tennessee.   |
| 2003      | Course, Instructor, Basic Neuro-Ophthalmology. AAO.  |
| 2003      | Breakfast with the Experts: Diplopia. AAO.   |
| 2003      | Moderator: Eyelid Abnormalities. ASOPRS  |
| 2003      | Moderator: Golden Rules of Neuro-Ophthalmology. AAO  |
| 2003      | Thyroid Eye Disease. Allegheny General Medicine Grand Rounds.<br>Pittsburgh, PA.   |

| 2003           | Course/Lab Director, Instructor and Moderator. Advances in Thyroid Eye Disease Rejuvenation Symposium. Pittsburgh, PA |
|----------------|---|
| 2004           | Thyroid Eye Disease and Pseudotumor Cerebri. University of Rochester.   |
| 2004           | Advances in Orbital Surgery. Annual NANOS Meeting.  |
| 2004           | Course Director and Moderator, Symposium on Neural  |
| 2004           | Hydrodynamics.  |
| 2004 - 2005    | Rheumatology for the Ophthalmologist. AAO.  |
| 2004 - present | The Endoscopic Brow Lift. Annual Meeting of the AAO. (no course   |
|                | 2020-21 due to Pandemic)  |
| 2004           | Course Director and Moderator, Symposium on Neural Hydrodynamics. Palo Alto, CA.                                      |
| 2004           | Pacing the Face with Chip Technology. Eye Openers Speaker's Series. Palo Alto, CA.                                    |
| 2004           | Visual Fields – the How, Why and When. UCSF Department of   |
| 2004           | Neurosurgery Neural Science Lecture Series. San Francisco, CA.  |
| 2004           | Advances in Ophthalmic Surgery with Neuro-ophthalmic Impact.  |
| 2004           | Annual NANOS meeting.   |
| 2004           | Thyroid Eye Disease and Increased Intracranial Pressure. UCSF   |
| 2004           | December Course.  |
| 2005           | Kevin Hill Course, Waterville, Maine  |
| 2005           | Breakfast with Experts: Diplopia. AAO.  |
| 2005           | Thyroid Eye Disease, Myositis and Myasthenia Gravis. AAO Neuro-   |
|                | Ophthalmology Subspeciality Day.  |
| 2005           | Secondary Increased Intraocular Pressure: When Glaucoma is  |
|                | more than just Glaucoma. ALTA Sacramento Ophthalmology  |
|                | Society. Sacramento, CA.  |
| 2005           | Thyroid Eye Disease; the NORDIC TED Project. Endocrinology  |
|                | Grand Rounds, UCSF.   |
| 2005           | Pacing the Face with Chip Technology.   |
|                | Mellon Luncheon Series. San Francisco, CA.  |
| 2005           | Clinical Pearls for Effective Multi-Disciplinary Management of  |
|                | Thyroid Eye Disease. UCSF ENT Grand Rounds.   |
| 2005           | Traumatic Optic Neuropathy.   |
|                | CPMC Grand Rounds, San Francisco, CA.   |
| 2005           | Thyroid Eye Disease. Kaiser Permanente Grand Rounds, Oakland, CA.   |
| 2005           | When Glaucoma is not Glaucoma and Practical approach to   |
| 0005           | Diplopia. Annual UCSF December Course. San Francisco, CA.   |
| 2005           | Invited speaker: Post-Traumatic Diplopia. NANOS AAO   |
| 0000 0040      | Symposium   |
| 2006-2016      | Co-Director, Bay Area Ophthalmology Course at Stanford, Palo  |
| 2000           | Alto, California.   |
| 2006           | Invited Panelist Consensus Statement for Graves' Disease: Insights  |
| 2006           | for TAO: Bench to Bedside, UCLA.  |
| 2006           | Invited Speaker: Translating MEMS technology  |

|           | Annual Cordes Society Meeting, San Francisco, CA.  |
|-----------|--|
| 2006      | Eyelid Oncology Update. Annual UCSF December Course. San                                       |
|           | Francisco, CA.   |
| 2007      | Moderator, Annual Walsh Meeting; Snowbird  |
|           | Utah.  |
| 2007      | Invited Lecturer and Panelist, Clinical Controversies in Thyroid Eye                           |
| 0007      | Disease. NANOS.  |
| 2007      | Emerging Technology in Thyroid Eye Disease Diagnosis and                                       |
| 2007      | Management. ARVO.<br>Urgent Neuro-Ophthalmology CAEPS Update 2007. San Francisco,              |
| 2007      | CA.  |
| 2007-2008 | Eyelid Anatomy and Pearls and Pitfalls of Eyelid and Eyebrow                                   |
| 2001 2000 | Rejuvenation. Stanford Annual Facial Plastics Meeting.   |
| 2009      | Visiting Professor: Thyroid Eye Disease, Practical   |
|           | Approach to Diplopia, and Pseudotumor Cerebri.   |
|           | University of Oregon, Portland.  |
| 2008      | Moderator, NANOS Neuro-ophthalmology Symposium at the AAO.                                     |
| 2008      | Breakfast with The Experts: Eyelid and Facial  |
|           | Rejuvenation at the AAO.   |
| 2008.     | Invited Panelist: Update on Traumatic Brain  |
|           | Injury at the AAO.   |
| 2008      | Invited Lecturer and Panelist: Thyroid Eye Disease. NANOS/NIH                                  |
|           | Symposium. New York, NY.   |
| 2009      | Invited Lecturer and Panelist: Thyroid Eye   |
| 0000      | Disease Update. UCLA, Los Angeles, CA.   |
| 2008      | Eyelid and Facial Rejuvenation.  |
| 2000      | Dominican Hospital Grand Rounds.   |
| 2008      | A Multi-disciplinary approach to   |
|           | Thyroid Eye Disease Decompression. California Sinus Institute's Annual Meeting, Palo Alto, CA. |
| 2008      | Eyelid and Facial Rejuvenation.  |
| 2000      | Bay Area Women in Ophthalmology Meeting.   |
| 2008      | Eyelid Oncology. Eyelid Rejuvenation.  |
| 2000      | Annual Santa Clara County Optometric Society   |
|           | Meeting, Mountain View, CA.  |
| 2009      | Invited Speaker and Panelist. Annual meeting California Society of                             |
|           | Facial Plastics. Lake Tahoe, CA. Eyelid and Facial Rejuvenation.                               |
| 2009      | Co-Director, Moderator and Lecturer, Bay Area Ophthalmology                                    |
|           | Course at Stanford.  |
| 2009      | Moderator, NANOS Neuro-ophthalmology Symposium at the AAO.                                     |
| 2009      | ASOPRS/AAO. Annual meeting of the AAO. Internet Tools for                                      |
|           | Medical and Aesthetic Practices.   |
| 2009      | Keynote Speaker. Annual meeting of the California Sinus Institute.                             |
|           | Palo Alto, California. Thyroid Eye Disease and Preventing and                                  |
|           | Managing Orbital Complications of Sinus Disease.   |

| 2009         | Allergan Speakers Series. Mountain View, CA. The Diagnosis and Management of Dry Eyes.   |
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| 2010         | Invited Lecturer and Panelist. ARVO, Fort Lauderdale, Florida.<br>Thyroid Associated Eye Disease: Multidisciplinary Update.  |
| 2010         | Annual Meeting of the Sinus Foundation.<br>Scottsdale, Az. Orbital Complications of Sinus Surgery.   |
| 2011         | ARVO. Ft Lauderdale, FLA. Thyroid Associated Eye Disease:<br>Multidisciplinary Update of Pathogenesis and New Directions for<br>Collaborative Research. Localized Approaches for the Treatment of<br>Thyroid Eye Disease: Drops to Nanotechnology  |
| 2011         | Annual Meeting of Women in Ophthalmology.<br>Sonoma, CA. Pearls and Pitfalls in Eyelid and<br>Facial Rejuvenation. Coordinator and Moderator<br>for Aesthetics Lab with didactics and live treatments.   |
| 2011         | Annual Meeting of the California Ambulatory<br>Surgery Association. Monterey, CA. Web and Mobile Based<br>Technology Embracing Social Media: Can These Tools Help Your<br>ASC?   |
| 2011         | Annual Meeting of the Academy of Ophthalmology. Orlando,<br>Florida. Neuro-Ophthalmology Sub-Day. What's wrong with This<br>Picture? Recognizing the Neuro-Ophthalmic Red Flags – Pseudo<br>Thyroid Eye Disease. Breakfast with the Experts: Using Web and<br>Mobile Based Technology to enhance your practice. Endoscopic<br>Forehead and Eyebrow Elevation; Skills Transfer Course |
| 2011-14      | Invited Lecturer: Orbital Complications of Sinus<br>Surgery and Medical Legal Panel. Annual Sinus Foundation<br>Meeting.   |
| 2012         | Meeting coordinator, moderator, and lecturer:<br>Thyroid Eye Disease: The Journey. Graves'<br>Foundation/Let's Face it Together Foundation.  |
| 2012         | Visiting Professor: Thyroid Eye Disease,<br>Comprehensive Approach to the Tearing Patient,<br>and Neuro-ophthalmology Pearls and Pitfalls. University of<br>Colorado Annual Meeting; Denver, CO.   |
| 2012         | Invited Lecturer and Panelist: Thyroid Eye Disease: Ten Ways to<br>Look and Feel Better. Annual Meeting of the Graves' Foundation;<br>San Diego, California.   |
| 2012-present | 3D Anatomy Instructional Course. AAO.  |
| 2012-present | Invited Lecturer: Floppy Eyelid Syndrome.<br>Thyroid Eye Disease. Eyelid Oncology. San<br>Joaquin Optometry Society Annual Meeting.  |
| 2013         | Invited Lecturer: Thyroid Eye Disease and When Glaucoma isn't<br>Glaucoma. Annual Meeting of Northern Arkansas Optometric<br>Society.  |
| 2013         | Invited Lecturer: East Bay Eye Centers Optometric Lecture Series:<br>When Glaucoma isn't Glaucoma.   |

| 2013         | Invited Lecturer: How to Thrive. Despite Challenges; the Business of Ophthalmology. Annual UC Davis Annual Meeting, Napa, CA.   |
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| 2013         | Moderator and Instructor, Women in Ophthalmology Ergonomics   |
| 2012         | Symposium. AAO.   |
| 2013<br>2014 | Moderator and Instructor, Telehealth. WIO symposium at AAO.<br>Annual Meeting of the Women in Ophthalmology. Scottsdale, AZ.    |
| 2014         | Lecturer: Collagen Induction Therapy, Eyelash and Eyebrow   |
|              | Transplantation. Coordinator and Moderator for Aesthetics Lab with  |
|              | didactics and live treatment demonstrations.  |
| 2015         | Moderator and Lecturer: Update on Ergonomics for Your Practice.   |
|              | WIO symposium at AAO.   |
| 2015         | Invited Speaker: Expert Panel on Controversies in Oculofacial   |
|              | Reconstruction. ASOPRS.   |
| 2016         | Moderator and Lecturer: Novel Eye Apps to Enhance Your  |
|              | Practice. WIO symposium at AAO.   |
| 2016         | Invited Lecturer: Management and Diagnosis of Myasthenia Gravis.  |
|              | AAO Neuro-Ophthalmology Symposium.  |
| 2017         | Invited Lecturer: The Role of Locally Delivered Neuroprotection in  |
|              | the Future Management of Visual Dysfunction and TBI. Annual   |
|              | Traumatic Brain Injury Research Forum at Palo Alto VA:  |
| 2017         | Invited Lecturer: The Role of Locally Delivered Neuroprotection in  |
|              | the Future Management of Visual Dysfunction, TBI and Space  |
|              | Travel. Annual Society for Brain Mapping and Therapeutics. Los  |
| 0047         | Angeles, CA.  |
| 2017-present | Course Faculty: Orbital Dissection Course. Stanford, CA.  |
| 2017         | Invited Lecturer and Panelist: Update on Innovations and<br>Technology for Your Practice. Aesthetic Injectables Lab Instructor. |
|              | Annual Women in Ophthalmology Meeting. San Diego, CA.   |
| 2017.        | Moderator and Lecturer: Medical Legal Ramification of Social Media  |
| 2017.        | for Your Practice. WIO symposium at AAO.  |
| 2018         | Invited Lecturer: Novel Drug Delivery System for Neuroprotection.   |
| 2010         | Society for Brain Mapping and Therapeutics (SBMT). Los Angeles,   |
|              | CA.   |
| 2018         | Invited Lecturer: Visual Deficits Arising Out of Traumatic Brain  |
|              | Injury. TBI Med-legal Conference. San Diego, CA.  |
| 2018         | Invited Lecturer: Pearls and Pitfalls in the Management of Thyroid  |
|              | Eye Disease. Graves' Disease and Thyroid Foundation Meeting.  |
| 2020-21      | The Role of Teprotumumab in the Management  |
|              | of Thyroid Eye Disease. Annual APOGEAN Society meeting.   |
| 2020         | Advances in Orbital Disease. Dr. Agarwal's Grand Rounds, India.   |
| 2020-21      | Update on Ophthalmic Manifestations of Covid-19. New  |
|              | Therapeutic Options for Thyroid Eye Disease. The Role of IPL in   |
|              | Dry Eye Disease. San Joaquin Optometric Society Bi-Annual   |
| 2020.04      | Meeting.  |
| 2020-21      | Lecturer and Panelist: Oculoplastic,  |
|              | Orbital and Neuro-Ophthalmology Sections.   |

|         | Stanford Basic Science Course.  |
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| 2020-22 | 3 D Anatomy of the Eyelids and Orbit.   |
|         | Guillermo Pico Santiago Basic Ophthalmology   |
|         | Course, Puerto Rico.  |
| 2021    | TED Paired Conversation - A New Frontier in the   |
|         | Co-Management of Thyroid Eye Disease. Annenberg Center for  |
|         | Health Sciences at Eisenhower.  |
| 2021    | Insulin-like Growth Factor 1 Receptor Inhibitors in Thyroid Eye                                       |
|         | Disease: Developing a Consensus to Address and Manage   |
|         | Hearing-related Impairment. VINDICO Medical Education   |
|         | http://www.VindicoCME.com   |
| 2021    | Comorbidities and Thyroid Eye Disease: Which Factors are most   |
|         | commonly associated with severe disease. Annual Meeting of the  |
|         | American Thyroid Association (ATA).   |
| 2021    | Development of Health State Utilities for TED.  |
|         | Annual Meeting of the AAO.  |
| 2021    | Teprotumumab-related Adverse Events in TED, Annual  |
|         | Meeting of the AAO.   |
| 2021    | Is "inactive" thyroid eye disease (TED) really quiet  |
|         | (asymptomatic)? Inactive TED characteristics and quality of life                                      |
| 0004    | impact. Annual Meeting of AAO.  |
| 2021    | Teprotumumab for the treatment of   |
| 0004    | recalcitrant TED. Annual ASOPRS meeting.  |
| 2021    | The Efficacy of Teprotumumab for Chronic,   |
|         | Progressive Thyroid Eye Disease Greater Than 9 Months. Annual   |
| 0004    | Endocrinology Meeting.  |
| 2021    | AEVR Congressional Briefing: Better Understanding Thyroid Eye   |
|         | Disease: Physician, Patient and Caregiver Perspectives with a<br>Discussion on Women's Vision Health. |
| 2022    | Update on Thyroid Eye Disease. San Diego, CA.   |
| 2022    | Annual NVision Meeting.   |
| 2022    | New Therapeutic Options for Neurotrophic Cornea.  |
| 2022    | Austin, Texas. Annual NANOS Meeting.  |
| 2022    | Post-marketing Surveillance of Hearing-related  |
|         | Adverse Events in Patients with Thyroid Eye Disease (TED)   |
|         | Treated With Teprotumumab. Austin, Texas. Annual NANOS  |
|         | Meeting.  |
| 2022    | Botulinum Toxin Update; Focus on its Role in Scar Treatments.   |
|         | San Juan, Puerto Rico. Annual Envision Meeting.   |
| 2022    | Novel Therapeutics for TED. Newport Beach, CA. TED 360.   |
| 2023    | Dermal Filler Update and 5 Most Commonly Missed Neuro-  |
|         | ophthalmic/orbit disorders. San Juan, Puerto Rico. Annual Envision                                    |
|         | Meeting.  |
| 2023    | Thyroid Eye Disease Update. Orlando, Florida. Annual North  |
|         | American Neuro-Ophthalmology Society (NANOS) meeting.   |

| 2023 | Efficacy and Safety of Viridian Active TED Clinical Trials. American Thyroid Association Annual Meeting   |
|------|---|
| 2023 | Efficacy and Safety of Viridian Active and Chronic Clinical Trials,<br>European Thyroid Association Annual Meeting.   |
| 2024 | Covid related double vision. Dermal filler update. Annual Envision<br>Meeting, San Juan, Puerto Rico.   |
| 2024 | VRDN – 001 Efficacy and Safety for Active and Chronic TED<br>Diplopia. Annual NANOS Meeting, Hawaii.  |
| 2024 | Early Symptoms and Signs of Thyroid Eye Disease. PAAO, San Juan, Puerto Rico.   |
| 2024 | Neuro Tips for TED Experts. Annual NASAOS meeting, Denver, CO.  |
| 2024 | The TED Clinical Trial Landscape Update. Syphilis and the Orbit;<br>An Unusual Case of Preseptal Cellulitis and Orbital Apex<br>Syndrome. Orbital Society, Houston, TX. |
| 2024 | Moderator and Panelist. The Great Debate: Does Medical Therapy<br>Play a Role in Chronic TED? Innovate<br>TED, Napa   |
| 2024 | When Oculoplastics/Orbit and Neuro-Ophthalmology Overlap.<br>BAOC Oculoplastics/Orbit Section, Palo Alto.   |
| 2024 | Compressive Optic Neuropathy and Normal Pressure Glaucoma.<br>Syphilis and the Orbit  |
|      | Nvision Regional Meeting, Huntington Beach, CA.   |
| 2024 | Aesthetics and injectables lab. Comprehensive Approach to Ocular Rosacea. WIO, San Diego, CA.   |
| 2024 | Moderator and Panelist: Thyroid Eye Disease Symposium. AAO<br>Annual Meeting. Chicago, IL.  |

### RESEARCH

In Development

3T Ophthalmics Sponsored/Lillian-Lincoln Foundation Funding. Phase 1 Clinical Trial, San Diego. Episcleral Drug Delivery of Dexamethasone and Celecoxib for inflammatory disorders of the Eye. Pl

#### <u>Current</u>

Horizon Therapeutics/Amgen. Subcutaneous teprotumumab for Thyroid Eye Disease (TED), phase 1 clinical trial. <u>NCT06248619</u>

Viridian Pharmaceuticals. Strive (VRDN 303). Intravenous Delivery VRDN-101 IGF-1 monoclonal antibody in TED. No placebo: 3 mg vs. 10 mg dosing. Any duration and severity of disease. Phase 3 clinical trial. Pl.

Viridian Pharmaceuticals: An Open-label Study for Participants Who Are Nonresponders at the End of Treatment Assessment on the VRDN-001-101 and VRDN-001-301 Pivotal Studies. <u>NCT06179875</u> (recruitment closed) Viridian Pharmaceuticals: A Multiple Ascending Dose (MAD) Safety, Tolerability and Efficacy Study of VRDN 001, a Humanized Monoclonal Antibody Directed Against the IGF-1 Receptor, in Normal Healthy Volunteers (HV(s) and Participants With Thyroid Eye Disease (TED). <u>NCT05176639</u>

Tourmaline (TOUR006-T01): A Multicenter Phase 2b Randomized, Double-Masked, Placebo-Controlled Dose-Ranging Study of TOUR006 in Participants With Thyroid Eye Disease. <u>NCT06088979</u>

Immunovant: A Phase 3, Multi-center, Randomized, Quadruple-masked, Placebocontrolled Study of Batoclimab for the Treatment of Participants With Active Thyroid Eye Disease (TED). <u>NCT05517421</u>

Lassen: A Phase 2, Proof-of-Concept, Randomized, Double-Masked, Placebo-Controlled Study to Determine the Efficacy and Safety of LASN01 in Patients With Thyroid Eye Disease. <u>NCT06226545</u>

Genentech/Roche: A Phase III, Randomized, Double-Masked, Placebo-Controlled, Multicenter Study To Evaluate The Efficacy, Safety, Pharmacokinetics, And Pharmacodynamics Of Satralizumab In Participants With Moderate-To-Severe Thyroid Eye Disease. <u>NCT05987423</u>

ArgenX: Phase 3 Study to Evaluate the Safety and Efficacy of Self-administered efgartigimod SC injection for Adults with Thyroid Eye Disease (TED). Open for recruitment July 2024.

Viridian Pharmaceuticals Sponsored. Collection of Whole Blood and Orbital Tissue from Thyroid Eye Disease (TED) Patients to Isolate Disease-specific Fibrocytes/Fibroblasts for Research Purposes. September 2021 – ongoing.

#### <u>Past</u>

Horizon Therapeutics Sponsored/Investigator Initiated Clinical Trial. The Efficacy of Teprotumumab vs. Other Therapeutic Interventions for the Treatment of Patients with Diplopia and/or Optic Neuropathy. Steering Committee and Site PI. February 2022 – 2023.

Viridian Pharmaceuticals Sponsored. A multiple ascending dose (MAD) safety, tolerability and efficacy study of VRDN-001, a humanized monoclonal antibody directed against the IGF-1 receptor, in normal healthy volunteers (NHVs) and subjects with thyroid eye disease (TED). April 2022 – 2024. See Phase 1 clinical trial (MAD), chronic and extension Phase 2 clinical trials above still recruiting. Site PI.

3T Ophthalmics Sponsored/FDA Grant. Phase 1 Clinical Trial: Episcleral Drug Delivery of Topotecan for Group D and Refractory Retinoblastoma. Sickkids Hospital, Toronto. PI Brenda Gallie, MD. Consultant.

3T Ophthalmics Sponsored/Lillian-Lincoln Foundation Funding. Phase 1 Clinical Trial at Stanford Department of Ophthalmology: Episcleral Drug Delivery of Dexamethasone and Celecoxib for inflammatory disorders of posterior pole. PI Theordore Leng, MD. Consultant.

Viridian Pharmaceuticals Sponsored. An Ocular Tolerability and Pharmacokinetic Study Following a Single Retrobulbar (RB) Delivery of an Insulin-like Growth Factor 1 Receptor in a pig model. Consultant. August 2021-2022.

#### DOD Grant

Visual sensory impairments and progression following mild traumatic brain injury. CENC 0056P. DoD/VA Chronic Effects of Neurotrauma Consortium: Neurosensory Component. Site Co-Investigator. \$2.5M: 10/1/2015-9/30/2017.

#### DOD/VA Grant

Episcleral Therapy for IED-Related Ophthalmic Injury. Co-Investigator. Applied Research and Advanced Technology Development Award/Department of Defense Grant 10499510 \$2.6M: 12/31/2010-1/30/2016.

#### VA Grant

Visual and Ocular Damage in Blast-Induced Traumatic Brain Injury. Co-Investigator. VA Merit Review Award Grant No C5018R (Rehabilitation Research and Development. \$600k: 10/1/2007-9/30/2011.

#### DOD Grant

A Hybrid Electrochemical Micro stimulator Implant for Denervated Muscles. Principle Investigator, TATRC/Department of Defense Funding Grant PR064623 \$1.2M:12/31/2007-1/30/2010.

NIH / NEI Grant A Novel in Vitro Model of Thyroid Ophthalmology 2004 – 2006. Site PI. R03 EY014564-01. PI: Raymond Douglas, MD, PhD (UCLA)

Parkinson's Institute Grant Parkinson's Study; The Effect of Drug Therapy on Visual Function 2009 – 2010. Site PI.

North American Neuro-Ophthalmology Society Merit Grant Objective assessment measures of Thyroid Eye Disease. 2009-2011. Pl. That Man May See Foundation Grant Orbicularis Oculi Muscle Reanimation in Seventh Nerve Palsy. 2004-2006. Pl.

Pfizer Sponsored Trial Case-Crossover Study of PDE5 Inhibitor Exposure as a Potential Trigger Factor for Acute NAION. 2008-2011. Site PI.

That Man May See Foundation Grant Reanimation of Denervated Orbicularis using MEMS. Technology.2004-2006. Pl.

UCSF Departmental Grant The Efficacy of Ancillary Optic Nerve Testing in patients with Optic neuritis, Multiple Sclerosis, and associated conditions. 2005-2006. Pl.

Stanford Nanofabrication Lab Grant Reanimation of Denervated Orbicularis using MEMS. Technology. 2005-2006. PI.

Sandler Family Foundation Award Prospective assessment of the efficacy of nanotechnology To promote axonal regeneration in freshly enucleated optic Nerves. 2005-2005. Co-PI.

That Man May See Foundation Design and Implementation of MicroKnife Using Nanotechnology. 2006. Co-PI.

That Man May See Award Testing of Implantable Micro Stimulators for the Eyelids. 2005-2006. Pl.

Allergan Sponsored Trial Multi-center, open label study of the efficacy of Restasis in patients with Thyroid Eye Disease. 2004-2006. Site PI.

Allergan Sponsored Trial Multicenter, open-label study of the efficacy of Brimonidine-purite 0.15% ophthalmic solution In patients with Leber's hereditary optic neuropathy 2002 – 2003. Site PI. Allergan Sponsored Trial

A one-year multi-center, open label study of the safety And efficacy of Brimonidine-purite 0.15% ophthalmic solution In patients with acute ischemic optic neuropathy. 2001- 2002. Site PI.

Department of Clinical Investigation, USARMY Visual, Brain and Facial Consequences of Blast Injury WRAMC. 1991-95. Pl.

Department of Clinical Investigation, US Army The efficacy of cyanoacrylate closure for scleral lacerations. A rabbit models. WRAMC 1990-1992. PI.

### PEER REVIEWED PUBLICATIONS

Please note that KA Peele was used until 1997, from that date forward I have used my married name (KP Cockerham).

### SCIENTIFIC PAPERS AND INVITED REVIEWS

- 1. Peele KA, Rosenberg ML. The role of peripheral visual fields in pseudo tumor cerebri. *Neurology Reviews*. July 1993.
- 2. Puckett TR, Peele KA, Howard, RS, Kramer KK. Intraocular irrigating solutions: a clinical trial of BSS Plus and dextrose bicarbonate lactated ringer's solution. *Ophthalmology*. 1995; 102(2): 291-6.
- 3. Peele KA, Kennerdell JS, Goodglick T. Orbital infections. *Current Concepts in Ophthalmology* (Supplement to the Pennsylvania Journal of Medicine). 1995; 3: 79-84.
- 4. Goodglick T, Kennerdell JS, Peele KA. Fractures of the orbit. *Current Concepts in Ophthalmology* (Supplement to the Pennsylvania Journal of Medicine). 1995; 3:75-8.
- 5. Peele KA, Kennerdell JS. The role of post-operative radiation in the surgical management of sphenoid wing meningiomas. Presented at the Annual Academy of Ophthalmology, Atlanta, Georgia Nov 1995. *Ophthalmology*. 1996; 103(11): 1761-7.
- 6. Barsouk A, Peele KA, Kiljanski J, Stolarski C, Nebes V, Kennerdell JS, Wall JR. Antibody-dependent cell-mediated cytotoxicity against orbital target cells in thyroid-associated ophthalmopathy and related disorders; close relations between serum cytotoxity antibodies and parameters of eye muscle dysfunction. *J Endocrinol Invest* 1996; 19 (6): 334-41.
- 7. Wall JR, Barsouk A, Stolarski C, Kiljanski J, Stachura I, Nebes V, Peele K, Kennerdell J. Serum muscle antibodies predicted the development of ophthalmopathy in a euthyroid subject with a family history of autoimmunity. *Thyroid* 1996; 6(4): 353-8.
- 8. Barsouk A, Fraiture B, Peele K, Dalal M, Nebes V, Stolarski C, Kennerdell JS, Jani B, Wall JR. Levels of manganese superoxide dismutase activity are

increased in tears from patients with thyroid-associated ophthalmopathy. *Orbit* 1996; 15(3): 205-11.

- 9. Kiljanski JI, Peele K, Stachura I, Pickeral J, Stolarski C, Kennerdell JS, Wall JR. Antibodies against striated muscle, connective tissue, and nuclear antigens in patients with thyroid-associated ophthalmopathy: Should Graves be considered a collagen vascular disorder? *J Endocrinol. Invest* 1997; 20 (10): 585-91.
- 10. Cockerham KP, Pal C, Jani BR, Wolter A, Kennerdell JS. The prevalence and implications of ocular hypertension and glaucoma in thyroid-associated orbitopathy. *Ophthalmology* 104 (6), June 1997. Reviewed in the *Yearbook of Ophthalmology*. Mosby, Inc. 142-3.
- 11. Varga MR, Rubinfeld RS, Wolf TC, Stutzman RD, Peele KA, Clifford WS, Madigan WP. Topical anesthetic abuse ring keratitis: report of four cases. *Cornea* 1997; 16 (4): 424-9.
- 12. Cockerham KP, Kennerdell JS, Thyroid-Associated orbitopathy, Focal Points 1997; xv(l):1-14.
- 13. Cockerham KP, Kennerdell JS. Orbital disease, optic nerve, and chiasm. *Current Opinions in Neurology*. 1997; 10 (1): 22-30.
- 14. Goya R, Cockerham KP. The dural tail sign. *Ophthal Plast Reconstr Surg* 1998; 4(2): 126-9.
- 15. Cockerham KP, Kennerdell JS, Fechter, H. Liposarcoma of the orbit: a management challenge. *Ophthal Plast Reconstr Surg* 1998; 4(5): 370-4.
- 16. Cockerham KP. Compressive optic neuropathy. *Advances in Clinical Neurosciences*. 1998: 8: 221-37.
- 17. Bolger W, Crawford J, Cockerham KP. An unusual cause of dacryocystorhinostomy failure. *Ophthalmology* 1999; 106(7): 1306-9.
- Cockerham KP, Cockerham GC, Stutzman R, Hidayat AA, Depper MH, Turbin RE, Kennerdell JS. The clinical spectrum of schwannomas presenting with visual dysfunction; a clinicopathologic study of three cases. *Surv Ophthalmol* 1999; 44(3): 226-34.
- 19. Cockerham KP, Hidayat AA, Cockerham GC, Depper MH, Sorensen S, Cytryn AS, Gavaris PT. Melkersson-Rosenthal Syndrome. New clinicopathologic findings in four cases. *Arch Ophthalmol* 2000; 118:227-32.
- 20. Bejjani GK, Cockerham KP, Kennerdell JS, Maroon JC. A reappraisal of surgery for orbital tumors. Part I: extraorbital approaches. *Neurosurg Focus* 2000: 10(5): Article 2, 1-6.
- 21. Cockerham KP, Bejjani GK, Kennerdell JS, Maroon JC. Surgery for orbital tumors. Part II: transorbital approaches. *Neurosurg Focus* 2000; 10(5): Article 3, 1-6.
- 22. Thach AB, Ward TP, Hollifield RD, Cockerham KP, Birdsong R, Kramer KK. Eye injuries in a terrorist bombing. *Ophthalmology*, 2000; 107(5): 844-7.
- 23. Turbin RE, Thompson CS, Kennerdell JS, Cockerham KP, Kupersmith MJ. A long-term visual outcome comparison in patients with optic nerve sheath meningioma managed with observation, surgery, radiotherapy, or surgery and radiotherapy. *Ophthalmology* 2002, 109(5): 890-99.

- 24. Cockerham KP, Hidayat AA, Brown HG, Cockerham GC, Graner SC. Clinicopathologic evaluation of Mueller's muscle in thyroid-associated orbitopathy. *J Ophthal Plast Reconstr Surg.* 2002; 18:11-17.
- 25. Cockerham KP, Kennerdell JS. The role of radiotherapy in the management of dysthyroid orbitopathy. *Br J Ophthalmol* 2002; 86:104-6.
- 26. Bejjani GK, Cockerham KP. Kennerdell JS, Moroon JC. Visual Field deficit from vascular compression in a suprasellar meningioma: a case report. *Neurosurgery*. 2002; 50(5): 1129-32.
- 27. Cockerham KP, Cockerham GC, Brown HG, Hidayat AA. Hemangioblastoma arising in an extraocular muscle. *J Ophthalmic Plastic and Reconstructive Surgery.* 2003; 19(3): 248-250.
- 28. Bejjani GK, Cockerham KP. Adult Chiari malformation. *Contemporary Neurosurgery* 2002, 23 (26) 1-8.
- 29. Bejjani GK, Čockerham KP, Pless M, Rothfus WE. Idiopathic intracranial hypertension *Contemporary Neurosurgery* 2002 24(9): 1-8.
- 30. Cockerham KP, Monsul N. Eyelid and adnexal trauma. *Comprehensive Ophthalmology Update.* 2002; 3(6):259-270.
- 31. Cockerham KP, Cockerham GC, Hidayat AA, Brown H. Radiosensitive orbital inflammation associated with temporal arteritis. *J Neuro-Ophthalmology 2003*; 23(2): 117-21.
- 32. Bejjani GK, Cockerham KP, Diagnosis and Management of Orbital Tumors *Contemporary Neurosurgery* 2003; 25(2):1-8
- 33. Cockerham KP, Browne EE, Hong S. Orbital Inflammation. *Current Neurology & Neuroscience Reports* 2003: 3(5) 401-9.
- 34. Rutar T, Zwick O, Cockerham KP, Horton JC. Bilateral blindness from orbital cellulitis caused by community acquired methincillin-resistant staphylococcus aureus. *Am J Ophthalmol.* 2005; 140(4): 740-2.
- 35. Cockerham KP, Cockerham GC, Zwick O. Orbital Inflammation. *Focal Points* 2006.
- 36. Zwick OM, Vagefi MR, Cockerham KP, McDermott MW. Brown tumor of secondary hyperparathyroidism involving the superior orbit and frontal calvarium. *J Ophthalmic Plastic and Reconstructive Surgery.* July 2006.
- 37. Rutar T, Cockerham KP. Periorbital Zygomycosis (Mucormycosis) treated with Posaconazole, *AMJ Ophthalmol.* July 2006.
- 38. Rutar T, Chambers HF, Crawford JB, Perdreau-Remington F, Zwick OM, Karr M, Diehn JJ, Cockerham. KP. Ophthalmic Manifestations of Methicillin-resistant staphylococcus aureus. *Ophthalmology*, August 2006.
- 39. Cockerham KP., et al. Lone Star Retractor System for Orbital Surgery. J Ophthlalmic Plastics and Reconstructive Surgery.2007.
- 40. Cockerham, KP, et al. Unusual presentations of Pleomorphic Adenoma. *AJO*, 2007.
- 41. Zoumalan, CI, Cockerham, K.P., Turbin, R.E., Volpe, N.J., Kazim, M, Douglas, R.S., Feldon, S.E. Efficacy of corticosteroids and external beam radiation in the management of moderate to severe thyroid eye disease. *Journal of Neuro-Ophthalmology*. 2007 Sept; 27(3): 205-214.

- 42. Cockerham, KP, Aro S, Liu W, Pantchenko O, Olmos A, Oelberg M, Sivaprokasam M, Crow L. The application of MEMS technology and engineering in medicine: a new paradigm for facial muscle reanimation. <u>www.expert-</u> <u>reviews.com</u>. 10.1586/17434440.5.3.XXX 2008.
- 43. Cockerham, KP and Hsu, VJ. Collagen-based dermal fillers: past, present, future. *Facial Plast Surg.* 2009 May; 25(2):106-13.
- 44. Cockerham, KP and Chan SS. Thyroid Eye Disease. *Neurologic Clinics.* 2010; 28: 729-755.
- 45. Smith, L and Cockerham, KP. Hyaluronic acid fillers: Evaluating the use of adjunct lidocaine. *Dove Press*. 2011 March; 2011(5):133-139.
- 46. Cockerham, K and Kirchofer, L. A Review of Collagen-Based Dermal Fillers.
- 47. Cockerham GC, Rice TA, Hewes EH, Cockerham KP, et al. Closed-eye ocular injuries in the Afghanistan and Iraq Wars. *N Engl J Med*. June 2011: 364(22) 2172-2173.
- 48. Paulus YM, Cockerham KP, Cockerham GC, Gratzinger D. IgG4-positivie sclerosing orbital inflammation involving the conjunctiva: A case report. *Ocular Immunology and Inflammation*.2012: 20 (5) 375-377.
- 49. Cockerham GC, Rice TA, Hewes EH, Cockerham KP, et al. Visual Performance and the Ocular Surface in Traumatic Brain Injury. *Ocular Surface*. Jan 2013; 11(1): 25-34.
- 50. Lemke S, Cockerham GC, Glynn-Milley C, Cockerham KD. Visual Quality of Life in Veteran's with blast-induced traumatic brain injury. *JAMA Ophthalmology*: 2013 Dec 1; 131(12): 1602-9.
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- 41. Cockerham, K. LaPlant J. Putting the Pieces Back Together, Surgical Reconstruction of Eyelids and Eye Muscles IN: JNLS-B: Skull Base-Orbital Surgery Special Volume. Eds. Gardner, P. Krauss, H. Bleier, B. Thieme Publishers. 2021.
- 42. Introduction to Orbital Surgery IN Surgery of the Orbit in Neuro-Oncology: Indications, Techniques and Nuances. Ed. Vijay Agarwal, MD. Cambridge University Press. 2022.
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- 2. Hauser, SL, Bazarian, JL, Cernak, I, Chang, L, Cockerham, K. et al. **Gulf War** and Health: Long-term Effects of Blast Exposures. Wash DC: Institute of Medicine of the National Academies Press. 2014.

### PAPERS/POSTERS AT NATIONAL/INTERNATIONAL MEETINGS

- 1. "Pediatric pseudotumor cerebri" Walter Reed Army Medical Center Biennial Meeting, 1992. *Recipient of Best Resident Paper Award.*
- 2. The role of peripheral visual fields in the management of idiopathic intracranial hypertension. Annual NANOS Meeting,1993. *Recipient of Best Fellow Paper Award.*
- 3. Surgical Management of Supranuclear Palsies. Annual NANOS Meeting, 1993.
- 4. Anatomical Correlation with Peripheral Visual Fields. Annual NANOS Meeting, 1994.
- 5. Stimulation of Tear Production in Sjogren's Syndrome Patients using Dilute Pilocarpine. Annual Meeting of the American College of Rheumatology, 1994.
- 6. An Interesting Triad due to Rheumatoid Vasculitis. Annual NANOS Meeting, 1994.
- 7. Aspergillosis Mimicking an Ischemic Third Nerve Palsy. Annual NANOS Meeting, 1994.
- 8. An Unusual Case of Recurrent Proptosis. Annual Walsh Society Meeting, 1995.
- 9. Complications of Radiation Therapy in Thyroid-associated Orbitopathy. Current Concepts in Thyroid Disease, 1995.
- 11. Antibodies against striated muscle, connective tissue and nuclear antigens in patients with thyroid-associated ophthalmopathy: is Graves' disease a collagen disorder? International Thyroid Congress, 1995.

- 12. Increased superoxide dismutase activity in lacrimal secretion (tears) from patients with thyroid-associated ophthalmopathy. International Thyroid Congress, 1995.
- 13. An unusual presentation of Desert Storm Syndrome? Annual Walsh Society Meeting, 1997.
- 14. A case of visual loss in pregnancy. Annual Walsh Society Meeting, 1997.
- 15. The role of SITA fast in a neuro-ophthalmology evaluation Annual AAO Meeting, 1998.
- 16. The clinical spectrum of MALT-type lymphoma. Annual meeting of the International Congress of Ocular Oncology,1999.
- 17. The clinical spectrum of Schwannomas presenting with visual dysfunction. Annual NANOS Meeting,1999.
- 18. The efficacy, reliability and reproducibility of SITA in a neuro-ophthalmology patient. Annual NANOS Meeting,1999.
- 19. The role of the Heidelberg Retinal Tomography in non-glaucomatous optic neuropathies. Annual NANOS Meeting, 2001.
- 20. Clinicopathology of Mueller's Muscle in Thyroid Associated Orbitopathy. Annual ASOPRS Meeting, 2001. *Recipent of the Merrill Reeh Pathology Award (ASOPRS)*
- 21. Neuro-Ophthalmic Findings in Symptomatic Adult Chiari Malformation." Annual NANOS Meeting, 2002.
- 22. Temporal Arteritis Presenting as an Orbital Mass. Orbital Society Meeting, 2002.
- 23. Retinal Topography in Unilateral Optic Neuropathy. Annual AAO Meeting, 2002
- 24. Failed Adult Chiari Malformation Decompression: Is there a role for altered neural hydrodynamics? Annual NANOS Meeting, 2003.
- 25. Association of the Adult Chiari Malformation and Pseudotumor Cerebri: A report on Three Cases. Annual NANOS Meeting, 2003.
- 26. The Role of Radiation in the Management of Primary Sphenoid Wing Meningiomas. Annual NANOS Meeting, 2003.
- 27. Orbital Basal Cell Carcinoma without Cutaneous Involvement. Annual ASOPRS meeting, 2003.
- 28. The Role of Radiation in the Management of Sphenoid Wing Meningiomas. Annual ASOPRS Meeting, 2003.
- 29. Fat Distribution in Idiopathic Intracranial Hypertension. Annual NANOS Meeting, 2004.
- 30. The Role of Fluorescein Angiography in Disorders of Intracranial Pressure Annual NANOS Meeting, 2004.
- 31. NORDIC- Clinical Study Pilot Planning Project: Thyroid Eye Disease. Annual NANOS Meeting, 2005.
- 32. Ophthalmic Manifestations of Infections Caused by the USA300 clone of Community-Associated Methicillin-Resistant Staphylococcus Aureus. Annual AAO Meeting, 2005.
- 33. Orbital Manifestations of a New Virulent Staphylococcus Aureus Clone. Annual Orbital Society Meeting, 2005
- 34. Reanimation of Denervated Orbicularis Oculi using MEMS technology. Annual NANOS Meeting, 2006.

- 35. Electric Stimulation Parameters in Patients with Acute and Chronic Facial Nerve Palsies. Annual NANOS Meeting, 2006.
- 36. The Use of Lone Star Elastic Stay Hooks in Orbital Surgery. Annual NANOS Meeting, 2006.
- 37. Bilateral Dilated Pupils Unresponsive to Light and with Intact Convergence and Accommodation but No Pupillary Miosis. Annual NANOS Meeting, 2006.
- 38. Creation of a Functional Blink in Rabbits with Denervated Orbicularis Oculi with an Implanted Stimulation Chip Based on MEMS Technology. Annual ARVO Meeting, 2006.
- 39. Comparison of Electric Stimulation of Patients with Acute and Chronic Facial Nerve Palsy at Multiple Locations of the Orbicularis. Annual ARVO Meeting, 2006.
- 40. A Hybrid Electrochemical Microstimulator. Annual meeting of the Biomedical Engineering Association, 2006.
- 41. Development and Testing of a Thyroid (TED) Quality of Life Instrument. Annual ASOPRS Meeting, 2006.
- 42. Microdebrider-Assisted Exenteration: A New Tool for Orbital Surgery. Annual ASOPRS Meeting, 2006.
- 43. Creation of a Functional Blink in Denervated Orbicularis Oculi with Electrochemical Stimulation. Annual ASOPRS Meeting, 2006.
- 44. NORDIC TED update; our initial modifications and testing of clinical scoring and TEDQOL. Annual NANOS Meeting. 2006.
- 45. The Effect of Chronic Denervation o the Electrical, Chemical and Electrochemical Stimulation Efficacy in a Denervated Eyelid Rabbit Model. Annual NANOS Meeting, 2007.
- 46. Thyroid Eye Disease (TED) Quality of Life (QOL) Instrument. Annual NANOS Meeting, 2007.
- 47. Efficacy of Restasis® Ophthalmic Emulsion in Patients with Thyroid Eye Disease. Annual NANOS Meeting, 2007.
- 48. The Role of Hybrid Electrochemical in the Stimulation of Acute and Chronically Denervated Eyelid Rabbit Model. Annual *Unite for Sight* meeting, Stanford University, 2007.
- 49. Visual and Ocular Damage in Blast-induced TBI. VA/DoD Conference on Visual Consequences of TBI, 2007.
- 50. A Potential Eyelid Reanimation Application. Annual ASOPRS Meeting, 2008.
- 51. Visual and Ocular Consequences of Combat Blast-induced TBI. Third Biennial Military Symposium on Traumatic Eye and Brain Injury. Schepens Eye Research Institute, 2008.
- 52. Visual Consequences of Combat TBI American Society of Ophthalmic Registered Nurses, Bay Area Chapter, Spring Meeting, 2008.
- 53. Visual and Ocular Consequences of Combat Blast-induced TBI. DoD/VA Update. Annual AAO Meeting, 2008.
- 54. Ocular and Visual Consequences of Combat Blast. National VHA/DoD Conference: Sensory Impairment Issues in Traumatic Brain Injury, 2009.
- 55. Visual Quality of Life in Veterans with Traumatic Brain Injury after Combat. Annual AAO Meeting, 2009.

- 56. Ocular and Adnexal Damage in Veterans with Combat Blast-induced Traumatic Brain Injury. Annual ARVO Meeting, 2009.
- 57. TBI and Visual Quality of Life after Blast Exposure in Iraq and Afghanistan. Fourth Biennial Military Research Symposium on Ocular and Brain Injury. Vision. Schepens Eye Research Institute, 2010.
- 58. Saccadic function in subjects with blast induced TBI. Annual ARVO Meeting, 2011.
- 59. Closed-globe ocular injuries from blast in Iraq and Afghanistan. Visual Quality of Life in subjects with blast induced TBI. Symposium on TBI and Vision. Smith Kettlewell Eye Research Institute, 2011.
- 60. The Future Management of TBI and Ocular Injury: Local Therapeutics to Nanotechnology. Smith Kettlewell Eye Research Institute, 2011.
- 61. Periorbital Pustular Dermatitis. Annual APAO Meeting, 2011.
- 62. Safety and Efficacy of Lidocaine Containing Dermal Fillers. Annual APAO Meeting, 2011.
- 63. Thyroid Eye Disease, TSI and Clinical Scoring. Annual NANOS Meeting, 2013.
- 64. Nerve Fiber Layer Loss in Blast /TBI Patients. Annual ARVO Meeting, 2013.
- 65. Fundus Flavoprotein Auto-fluorescence in Compressive Optic Neuropathy. Annual ARVO meeting, 2018.
- 66. Novel Drug Delivery System for Neuroprotection in Orbital Disease. Orbital Society, 2018.
- 67. Early Detection of Mitochondrial Dysfunction in Orbital Disease. Update on Novel Drug Delivery System. Can Pesticides Enhance Autoimmunity in Orbit and Cavernous Sinus Inflammatory Disease? Orbital Society 2019.
- 68. Novel Drug Delivery System for Neuroprotection. Annual NANOS Meeting, 2018.
- 69. A Unique Case of Orbital and Cavernous Sinus Inflammation. Annual Women in Ophthalmology Meeting, 2019.
- 70. Novel Drug Delivery System for Neuroprotection and Inflammatory Mitigation. Ophthalmology Innovation Summit at AAO, 2019.
- 71. Novel Drug Delivery System for Neuroprotection. Glaucoma 360, 2020.
- 72. Quality of Life in Chronic Thyroid Eye Disease. American Thyroid Association. 2021.
- 73. Assessment of Quality of Life for Thyroid Eye Disease Using Novel Assessment Tool for Unaffected Subjects: Utility Assessment of Moderate to Severe Thyroid Eye Disease Health States. NANOS. 2021.