Todd T. Kingdom, MD

Professor, Otolaryngology – Head and Neck Surgery & Ophthalmology

Vice Chair, Clinical Affairs & Quality

Department of Otolaryngology

**Curriculum Vitae**

**Business Address**

 Department of Otolaryngology – Head and Neck Surgery

 University of Colorado School of Medicine

 12631 E. 17th Ave., B-205

 Aurora, Colorado 80045

 303-724 -7500 (office)

 303-724 -1961 (fax)

 todd.kingdom@cuanschutz.edu

**Academic Appointments**

 1996 - 2001 Assistant Professor, Otolaryngology - Head and Neck Surgery,

 Emory University School of Medicine

 2001 Associate Professor, Otolaryngology-Head & Neck Surgery,

 Emory University School of Medicine

 2002 - 2010 Associate Professor, Otolaryngology-Head & Neck Surgery

 University of Colorado School of Medicine

 2010 – present Professor, Otolaryngology-Head & Neck Surgery

 University of Colorado School of Medicine

 2012 – present Professor, Ophthalmology

 University of Colorado School of Medicine

# Administrative Appointments

2002 - present Director, Rhinology and Sinus Surgery

University of Colorado School of Medicine

2005 - 2012 Practice Director, Otolaryngology Practice,

 University of Colorado Hospital

 2011 – present Vice Chairman, Clinical Affairs & Quality

 Department of Otolaryngology-Head & Neck Surgery

 University of Colorado School of Medicine

**Licensure and Certification**

 1992 National Board of Medical Examiners Parts I, II, and III

 1992 State of California Medical License (expired 1.31.98)

 1996 State of Georgia Medical License (expired 12.31.03)

 1996 DEA Registration (BK3360776)

 2001 State of Colorado Medical License (40087)

**Specialty Boards**

 1997 Diplomat American Board of Otolaryngology

**Education**

 1983 - 1987 BS, Chemical Engineering

 University of Colorado School of Engineering

 Boulder, Colorado

 1987 - 1991 MD, Emory University School of Medicine

 Atlanta, Georgia

**Postgraduate Training**

 1991 - 1992 Internship in General Surgery, University of California Hospitals

 School of Medicine, San Francisco, California

 1992 - 1995 Resident in Otolaryngology - Head & Neck Surgery

 University of California Hospitals School of Medicine San Francisco, California

 1995 - 1996 Chief Resident, Otolaryngology - Head & Neck Surgery

 University of California Hospitals School of Medicine San Francisco, California

**Honors and Awards**

 1987 Special Honors, University of Colorado School of Engineering

1990 Alpha Omega Alpha, Emory University Chapter

1991 Magna Cum Laude, Emory University School of Medicine

2003 Honor Award, American Academy of Otolaryngology-Head and Neck Surgery

2003, 2010 Clayton K. Mammel Teacher of the Year Award, Department of Otolaryngology University of Colorado School of Medicine

2005 – present Best Doctors in America list (annual award)

2006 – present Top Physician in 5280 Magazine (annual award)

2006 – present Castle Connolly Top Doctor (annual award)

2008 – present US News Top Doctor (annual award)

 2006 Presidential Citation, American Rhinologic Society

2009 Presidential Citation, American Rhinologic Society

2010 Presidential Award for Leadership, University of Colorado Hospital

2013 Presidential Citation from the American Academy of Otolaryngic Allergy

2013 Distinguished Service Award, American Academy of Otolaryngology-Head and Neck Surgery

2014 & 2016 Golden Head Mirror Award, American Rhinologic Society, Recognition for *Meritorious Teaching in Rhinology*

2017 Presidential Award for Meritorious Service, University of Colorado Hospital

**National Committee Memberships & Service**

***American Rhinologic Society***

2002 - 2004 Research Awards Committee

2003 - 2006 Audit Committee

2004 - 2013 Scientific Program Committee

 Program Co-Chair, Fall 2004 Scientific Program

 Program Co-Chair, Spring 2005 Scientific Program

2004 - 2010 Education Committee

 Chairman, 2004-2010

2006 - present Fellowship Committee

 Chairman, 2006-present

2004 - 2010 Newsletter Committee

2005 - 2007 Consultant, Board of Directors

 2007 - 2010 Board of Directors

 2008 - 2009 Nominating Committee

 2009 – 2012 Ethics Committee

 2010 - 2011 2nd Vice President

 2011 – 2012 President-Elect

 2012 – 2013 President

 2013 – 2014 Immediate Past President

 2011 – 2014 Finance & Development Steering Committee

 2013 – 2104 Chair, Executive Vice President Task Force

 2013 – 2014 Chair, Nominating Committee

 2014 Member, Executive Vice President Search Committee

 2015 – 2016 Chair, Task Group on Fellowship Training

 2016 – present Rhinology Training Council, American Rhinologic Society, *ex oficio* member

 2018 – 2019 Member, Nominating Committee

 2019 – 2020 Task Force on Rhinology Training Council & Fellowship Training

***American Academy of Otolaryngology-Head and Neck Surgery***

2000 - 2006 Infectious Diseases Committee

2005 - 2010 Home Study Course Faculty

 Co-Chairman, 2009-2010

2007 - 2010 Rhinology and Paranasal Sinus Committee

2007 - 2012 Rhinology and Allergy Education Committee

2010 – 2016 Instruction Course Advisory Committee

***American Board of Otolaryngology***

2002 - 2005 Task Force on New Materials Committee

 American Board of Otolaryngology

2015, 2016, 2019, 2020 Guest Examiner (Oral Board Examination)

***Triological Society***

2018 – 2019 Scientific Program Committee Member

 Combined meeting, January 2019

 Spring Meeting, May 2019

**Institutional Committee Memberships**

 ***Emory University & The Emory Clinic***

1998 - 2001 Strategic Planning Committee for Teaching & Medical Education,

 Implementation Subcommittee 1999-2001

 Teaching Awards Subcommittee 2000-2001

 Innovative Teaching Projects 2001

 Awards Subcommittee 2000-2001

1999 - 2001 Ambulatory Surgery Center Committee, The Emory Clinic

Chairman, 2001

 ***University of Colorado Hospital / University of Colorado Health***

2002 - 2009 OR Committee, University of Colorado Hospital

2005 - 2013 Ambulatory Operating Room Committee, University of Colorado Hospital

2006 - 2012 At-Large Board Member, University of Colorado Hospital Medical Board

 (Two 3-year terms)

2009 - 2010 Chairman, Ad Hoc UCH Investigating Committee

2010 – present Executive Operating Room Committee

2010 – 2014 Network Development Committee

2011 – 2014 Steering Committee, Lone Tree Satellite

2013 – 2014 Provider Satisfaction Survey Steering Committee

2013 – 2014 AOP Master Space Plan Steering Committee

2014 Member, Search Committee for Chief Medical Officer

2014 – 2016 APEX Executive Steering Committee (Ambulatory Care Redesign)

2016 Chairman, UCH Investigative Committee

2017 – 2018 Finance & Contracting Committee, UCHealth Integrated Network

 ***University of Colorado School of Medicine & CU Medicine***

2003 - 2008 Faculty Senate, Representative for Department of Otolaryngology

 2003 - 2006 Committee on Promotions & Tenure

 Co-Chairman 2005-2006

 2005 - 2007 Committee on Future Base Budget Allocations

2008 Dean’s Committee to Evaluate Emergency Medicine’s Petition for Departmental Status

2011 – present Clinical Leadership Council, Member

 University of Colorado School of Medicine

2012 – 2013 School of Medicine Strategic Planning Process, Clinical Task Force

 2012 Finance Work Group Phase I

 2013 Finance Work Group Phase II

2014 – 2016 Strategy Committee

2014 Member, Search Committee for Dean, School of Medicine

2018 – 2019 Member, Search Committee for Senior Associate Dean of Finance & Administration / Executive Director, CU Medicine

2015 – 2020 Member, School of Medicine Rules & Governance Committee

***University Physicians, Inc. (UPI) / CU Medicine***

 2011 – 2015 2nd Vice President, University Physicians, Inc.

 2011 – 2015 Executive Committee, UPI

 2011 – 2017 Board of Directors, UPI / CU Medicine

 2013 – present Member, CU Medicine Governance Committee

 2014 – 2016 UPI / UCH Co-Management Committee

 2014 – present CU Med / UPI – UCHMG Leadership Group, Member

2015 – present Member, University of Colorado Collaborative Group (UCCG) Executive Steering Committee

 2018 – 2020 Board of Directors, CU Medicine

2020 – present Member, CU Medicine Finance Committee

# Departmental Committee Memberships

 ***University of Colorado School of Medicine***

2002 - 2010 Curriculum Committee, Department of Otolaryngology

2002 – 2010 Residency Committee, Department of Otolaryngology

2002 - 2009 Departmental Newsletter, Co-editor, Department of Otolaryngology

 2003 - 2004 Compensation Committee (Chairman), Department of Otolaryngology

 2006 - 2007 Chairman Search Committee, Facial Plastic Faculty recruitment

 2007 – 2020 Department Promotions Advisory Committee

 2010 – present Member, Chair Advisory Committee

 2010 Search Committee, Director of Finance and Administration

 2018 Chair, Search Committee for Highlands Ranch Hospital Faculty Position

**Professional Memberships**

 1992 - present American Academy of Otolaryngology - Head & Neck Surgery

1994 - present American Rhinologic Society

1996 - 2001 Medical Association of Georgia

1996 - 2001 Medical Association of Atlanta

1996 - 2001 Georgia Society of Otolaryngology-Head & Neck Surgery

1996 - 2001 Metro Atlanta Otolaryngology - Head & Neck Surgery Society

Secretary, 2000-2001

Treasurer, 2001-2002

1997 – present American Board of Otolaryngology

 Oral Board Examiner 2015, 2016, 2019

1999 - 2006 Fellow, American Head and Neck Society

1998 – present Fellow, American College of Surgeons

2002 - present Society of University Otolaryngologists

2015 – present Fellow, Triological Society

 2015 Candidate Thesis accepted

2017 Delegate, National Nominating Committee, Triological Society

**Teaching Responsibilities**

***Residency Programs***

1998 - 2001 Coordinator, Department of Otolaryngology-Head & Neck Surgery, Emory University, Resident Conference Schedule.

1999 - 2001 Coordinator, Department of Otolaryngology-Head & Surgery, Emory University, Grand Rounds Program

2002 – 2013 Coordinator, Educational Programs in Rhinology, Department of Otolaryngology, University of Colorado Health Sciences Center

***Medical Student***

1997 - 2001 Lecturer, Anatomy Course for First Year Medical Students

Emory University School of Medicine

2000 - 2001 Lecturer, Pathophysiology Course for Second Year Medical Students

Emory University School of Medicine

2010 – 2013 Faculty Mentor & Preceptor, Mentored Scholarship Activity Program. University of Colorado School of Medicine. Medical Student: Cynthia Fountain. Project: Characterization and treatment of patients with chronic rhinosinusitis and nasal polyps.

***Fellowship Training Programs***

2006 – present Faculty preceptor, Allergy & Immunology Fellowship, National Jewish Health, Denver, Colorado

2008 – present Faculty preceptor, Oculoplastic & Orbit Surgery Fellowship

**Educational Courses / CME Activities**

***CME Course Director***

 1997 - 1999 Course Director, Resident Course in Endoscopic Sinus Surgery.

 Department of Otolaryngology - Head & Neck Surgery,

 Emory University School of Medicine

2000 - 2002 Course Director, Current Concepts in Endoscopic Sinus Surgery. Annual CME accredited course. Emory University School of Medicine.

2001 - 2002 Course Director, Otolaryngology in Primary Care. CME accredited course. Emory University School of Medicine. April 2001.

2003 Course Director, Colorado Sinus Course. University of Colorado Health Sciences Center, Denver, Colorado. March 2003.

2004 - 2005 Course Director, Otolaryngology in Primary Care. University of Colorado Health Sciences Center, Denver, Colorado.

2004 – 2016 Course Co-director, Western States Rhinology Course. Sonoma, California.

Biannual CME Conference.

2006 - 2008 Program Director, Mini-seminar in Otolaryngology at the Family Practice Review Course. Sponsored by the University of Colorado Health Sciences Center. Denver, Colorado.

2002 – present Rhinology Session Course Director, Annual Ultimate Colorado Mid-Winter Meeting. January – February, Vail, Colorado. (annual meeting)

***CME Course Invited Faculty***

1. SF Paranasal Sinus Surgery Update. San Francisco, California,

 June 25 - 27, 1998

 1999 Diagnosis and Management of Diseases of the Head and Neck,

 Emory University School of Medicine, Department of Pathology.

 Sea Island, Georgia. July 1999.

2001 Western States Rhinology Course. Rancho Mirage, California, May 18-19, 2001.

2001 UCSF Otolaryngology Update. San Francisco, California. November 1-3, 2001.

2002 Oregon Sinus Course. Oregon Health Science University, Portland, Oregon. July 26-28, 2002.

2002 - present The Colorado Otolaryngology Ultimate Ski Course. Vail, Colorado

2003 University of Utah Sinus Course. Salt Lake City, UT. February 2003.

2003 University of California at San Francisco Advanced Sinus Course. San Francisco, California. April 2003.

 2003 Guest of Honor, University of California at Davis Sinus Course. Sacramento, California. May 2003.

2004 Operative Techniques in Otolaryngology-Head and Neck Surgery, Rush University CME Program, Chicago, Illionois. June 2004.

2004 Georgia Society of Otolaryngology-Head Neck Surgery Annual Summer Meeting. Amelia Island, Florida. July 2004.

1. USC Advanced Sinus Course. Los Angeles, CA. January 2007.

2007 University of California at Davis Sinus Surgery Update Course. Sacramento, CA. March 2007.

2011 Montana Otolaryngology Society Meeting

2011 University of California at Davis Sinus Surgery Update Course. Sacramento, CA. November 2011.

2012 American Rhinologic Society Summer Sinus Symposium. July 13-14, 2012. Chicago, Illinois.

2013 Seattle Otology & Advance Rhinology Course. January 31 – Feb 1, 2013. Seattle, Washington.

2013 American Rhinologic Society Summer Sinus Symposium. July 19-20, 2013. Chicago, Illinois.

2014 Tackling Problematic Chronic Rhinosinusitis: A Conclave of Global Experts. March 27-29, 2014. Mayo Clinic, Phoenix, Arizona.

2015 University of California at Davis Sinus Surgery Update Course. Sacramento, CA.

***National Instructional Courses***

1997 - 2005 Instructional Course at the Annual Meeting of the American Academy of Otolaryngology – Head & Neck Surgery. Steroids in Otolaryngology: Indications, Efficacy, and Safety.

2002 - 2005 Instructional Course at the Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery. Endoscopic Management of the Orbit and Skull Base.

2005 Instructional Course at the Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery. Image-Guided Sinus Surgery: Current Technology and Applications.

2012 - 2016 Instructional Course at the Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery. Corticosteroids: Know the Risks.

 ***Training Courses***

2009 - 2010 Course Director, American Rhinologic Society Fellows Training Course. Los Angeles, California. May 2009.

**Editorial Boards and Journal Activities**

***Editorial Boards***

2006 - 2010 *American Journal of Rhinology & Allergy*

2011 – present *International Forum for Allergy & Rhinology*

***Ad hoc reviewer***

1. *Archives of Otolaryngology-Head and Neck Surgery*
2. *American Journal of Rhinology & Allergy*

2002- *Otolaryngology-Head and Neck Surgery*

2005- *Laryngoscope*

# Invited Presentations / Lectures

***Local***

Tinnitus: evaluation, diagnosis, and treatment options. Emory - Adventist Hospital Community

Health Lecture. February 4, 1997.

Spastic dysphonia: surgical options in treatment. Atlanta Spasmodic Dysphonia Association.

February 16, 1997.

Tinnitus: evaluation, diagnosis, and treatment options. Emory - Adventist Hospital Community

Health Lecture. May 21, 1997.

Surgical management of obstructive sleep apnea. Sumner Regional Hospital Medical Grand

Rounds, Americus, Georgia. October 9, 1997.

Anatomy of oral cavity, sinuses, and pharynx. Department of Anatomy, Emory University School

of Medicine. October 16, 1997.

Management of sinusitis and nasal polyps in CF. Cystic Fibrosis Center, Emory University School of Medicine. December 1997.

Current aspects of nasal and sinus surgery. Ambulatory Surgery Center educational conference, The Emory Clinic. April 1998

Radiofrequency tissue ablation for snoring. Otolaryngology - Head and Neck Surgery Grand

Rounds, Emory University. April 1998.

Anatomy of oral cavity, sinuses, and pharynx. Department of Anatomy, Emory University School

of Medicine. October 9, 1998.

Medical management of chronic rhinosinusitis. Grand Rounds, Department of Otolaryngology-Head and Neck Surgery, Emory University. August 13, 1998.

Chronic Rhinosinusitis: Diagnosis and Management. Northwest Georgia Osteopathic Society Meeting. Gainsville, Georgia, March 4, 1999.

Sleep-disordered breathing and obstructive sleep apnea. Meeting of the Atlanta Regional Chapter of the Society of Otorhinolaryngology-Head and Neck Nurses, Atlanta, Georgia, March 20, 1999.

Allergic Fungal Sinusitis. Medical Association of Georgia Meeting, Otolaryngology-Head & Neck Surgery Section, November 19, 1999. Atlanta, Georgia.

An update on the medical management and pathophysiology of chronic rhinosinusitis. Current Concepts in Endoscopic Sinus Surgery, CME sponsored course, Emory University School of Medicine. March 2000.

Allergic fungal sinusitis. Current Concepts in Endoscopic Sinus Surgery, CME sponsored course, Emory University School of Medicine. March 2000.

Image-guided surgery: options and applications. Current Concepts in Endoscopic Sinus Surgery, CME sponsored course, Emory University School of Medicine. March 2000.

Sinusitis: An Update on Pathophysiology and Management. Georgia Academy of Family Physicians, November 2, 2000. Atlanta, Georgia.

Nasal and palatal surgery for snoring and sleep apnea. Oral-Maxillofacial Surgery Grand Rounds, Department of Oral and Maxillofacial Surgery, Emory University School of Medicine. December 2000

An update on the medical management and pathophysiology of chronic rhinosinusitis. Current Concepts in Endoscopic Sinus Surgery, CME sponsored course, Emory University School of Medicine. March 2001.

Biomaterials in endoscopic sinus surgery. Current Concepts in Endoscopic Sinus Surgery, CME sponsored course, Emory University School of Medicine. March 2001.

Image-guided surgery: options and applications. Current Concepts in Endoscopic Sinus Surgery, CME sponsored course, Emory University School of Medicine. March 2001.

Snoring, sleep apnea, and sleep disordered breathing. Otolaryngology in Primary Care. CME accredited course, Emory University School of Medicine. April 2001.

Rhinosinusitis: antibiotic resistance and treatment issues. Otolaryngology in Primary Care. CME accredited course, Emory University School of Medicine. April 2001.

Update on fungal sinusitis. The Ultimate Colorado Ski Meeting: An otolaryngology Update. University of Colorado Health Sciences Center CME accredited. Vail, Colorado. February 2-6, 2002.

Image-guided surgery: options and applications. The Ultimate Colorado Ski Meeting: An otolaryngology Update. University of Colorado Health Sciences Center CME accredited. Vail, Colorado. February 2-6, 2002.

Current management of rhinosinusitis. Family Practice Review Course. University of Colorado Health Sciences Center, CME course. June 2002.

Current management of rhinosinusitis. Family Practice Review Course. University of Colorado Health Sciences Center, CME course. November 2002.

The Diagnosis and Management of Rhinosinusitis. The Colorado Academy of Physician Assistants Annual Meeting. June 28, 2003.

What’s new in ENT surgery. The Rocky Mountain Peri-operative Nurses Association. Denver, Colorado. September 4, 2003.

Curent Concepts in the Diagnosis and Management of Rhinosinusitis. Poudre Valley Hospital Medical

Grand Rounds, Ft. Collins, Colorado. October 21, 2003.

Endoscopic sinus surgery in the asthmatic patient. Grand Rounds, Department of Otolaryngology, University of Colorado Health Sciences Center. January 29, 2004.

Is there a role for surgery in chronic sinusitis in asthmatics? The 26th Annual National Jewish Keystone Update: Allergy/Immunology, Asthma and Pulmonary Medicine. February 6, 2004. Keystone, Colorado.

Current Concepts on the Pathophysiology of Rhinosinusitis. Grand Rounds, Division of Infectious Diseases, Department of Medicine, University of Colorado Health Sciences Center. April 8, 2004.

Patient Selection and Outcomes in Endoscopic Sinus Surgery. Second Opinion Lecture Series. National Jewish Medical and Research Center, Denver, Colorado. May 21, 2004.

Highlights from the New Treatment Guidelines for Acute Bacterial Rhinosinusitis. Medical Staff Grounds Rounds, St, Mary’s Medical Center. Grand Junction, Colorado. May 25, 2004.

Panel Discussion on Law, Medicine, and Business. The American Institute of Chemical Engineering Rocky Mountain Regional Conference. April 2, 2005. Colorado School of Mines.

Update on the role of fungi in chronic rhinosinusitis. Medical Staff Meeting and Grand Rounds, Boulder Community Hospital, Boulder, Colorado. February 23, 2006.

Surgical management of nasal obstruction. Denver Allergy Rounds, National Medical & Research Center, Denver, Colorado. May 24, 2006

Management of rhinitis and sinusitis. Family Practice Course. CME Program. Denver, Colorado. November 2006.

Rhinosinusitis: pathogenesis, diagnosis, and management. Bugs and Drugs Conference. CME program sponsored by University of Colorado Health Sciences Center. December 8, 2006. Denver, Colorado.

ENT for the Ophthalmologist. 11th Annual Ophthalmology Symposium, Rocky Mountain Lions Eye Institute, University of Colorado Denver School of Medicine. October 20, 2007

Current concepts in the management of chronic rhinosinusitis. 63rd Annual Ogden Surgical-Medical Society Medical Conference. Ogden, Utah. May 15, 2008.

Chronic rhinosinusitis: an update. Bugs and Drugs Conference. CME program sponosored by University of Colorado Health Sciences Center. December 5, 2008. Denver, Colorado.

Endoscopic sinus and skull base surgery. Grand Rounds Lecture, Department of Anesthesiology, University of Colorado School of Medicine. September 21, 2009.

Orbital applications of endoscopic sinus surgery. 13th Annual Ophthalmology Symposium, Rocky Mountain Lions Eye Institute, University of Colorado Denver School of Medicine. September 26, 2009.

The management of chronic rhinosinusitis: surgical management and outcomes. National Jewish Health. Denver Allergy Rounds. Denver, Colorado. May 2, 2012.

Case Presentations in Rhinology. Department of Otolaryngology Rhinology Resident Conference. April 26. 2018.

Anatomy for Endoscopic Sinus Surgery. Department of Otolaryngology Rhinology Resident Conference. April 26. 2018.

***National***

Medical management of chronic sinusitis. San Francisco Paranasal Sinus Surgery Update.

June 25, 1998.

Management of sinusitis in patients with cystic fibrosis. San Francisco Paranasal Sinus Surgery

Update. June 26, 1998.

Evaluation of the adult neck mass. Diagnosis and Management of Diseases of the Head and Neck, Emory University School of Medicine, Department of Pathology. Sea Island, Georgia. July 21, 1999.

Sinusitis: an update. Diagnosis and Management of Diseases of the Head and Neck, Emory University School of Medicine, Department of Pathology. Sea Island, Georgia. July 21, 1999.

Neoplasms of the oral cavity and oropharynx. Diagnosis and Management of Diseases of the Head and Neck, Emory University School of Medicine, Department of Pathology. Sea Island, Georgia. July 21, 1999.

Current issues in the medical management of rhinosinusitis. Western States Rhinology Course. CME accredited. Rancho Mirage, California. May 18-19, 2001.

Biomaterials in endoscopic sinus surgery. Western States Rhinology Course. CME accredited. Rancho Mirage, California. May 18-19, 2001.

Image-guided sinus surgery: the registration process. Western States Rhinology Course. CME accredited. Rancho Mirage, California. May 18-19, 2001.

Image-guided sinus surgery: case presentations. Western States Rhinology Course. CME accredited. Rancho Mirage, California. May 18-19, 2001.

Contemporary management of rhinosinusitis in cystic fibrosis. UCSF Otolaryngology Update. San Francisco, California. November 1-3, 2001.

Image-guided surgery: an evolving technology. The Oregon Sinus Course. Oregon Health Science University. Portland, Oregon. July 26-28, 2002.

Endoscopic surgical anatomy of the sinuses. The Oregon Sinus Course. Oregon Health Science University. Portland, Oregon. July 26-28, 2002.

Endoscopic approaches to the clivus and orbital apex. The Oregon Sinus Course. Oregon Health Science University. Portland, Oregon. July 26-28, 2002.

Surgical anatomy for endoscopic sinus surgery. The University of Utah Advanced Course in Rhinology. February 2003.

Frontal sinus surgery. The University of Utah Advanced Course in Rhinology. February 2003.

Chronic rhinosinusitis in the immunocompromised patient. The UCSF Advanced Rhinology Course. April 2003.

Pathophysiology of chronic rhinosinusitis: current concepts. The UCSF Advanced Rhinology Course. April 2003.

Frontal sinus surgery: current concepts. The University of California-Davis Rhinology Course. May 2003.

Revision endoscopic sinus surgery. The University of California-Davis Rhinology Course. May 2003.

Advanced Techniques in Endoscopic Sinus Surgery: Orbital Applications. The Georgia Society of Otolaryngology-Head and Neck Surgery Annual Summer Meeting. Amelia Island, Florida. July 2004.

Current Concepts in the Pathophysiology of Chronic Rhinosinusitis. The Georgia Society of Otolaryngology-Head and Neck Surgery Annual Summer Meeting. Amelia Island, Florida. July 2004.

Patient Selection and Outcomes in Endoscopic Sinus Surgery. The Georgia Society of Otolaryngology-Head and Neck Surgery Annual Summer Meeting. Amelia Island, Florida. July 2004.

Management of acute rhinosinusitis: highlights from the new treatment guidelines. The 10th Annual ID Symposium at St. Francis Medical Center, Topeka, Kansas. October 2004.

Medical management of chronic rhinosinusitis. Western States Rhinology Course, Sonoma, California. CME Program. October 2004.

Image-guided sinus surgery: current technology and applications. Western States Rhinology Course, Sonoma, California. CME Program. October 2004.

Revision endoscopic sinus surgery. Western States Rhinology Course, Sonoma, California. CME Program. October 2004.

Endoscopic management of neoplasms. Western States Rhinology Course, Sonoma, California. CME Program. October 2004.

Endoscopic DCR. Western States Rhinology Course, Sonoma, California. CME Program. October 2004.

Image-guided endoscopic sinus surgery: current technology and applications. Operative Techniques in Otolaryngology-Head and Neck Surgery, Rush University CME Program, Chicago, Illinois. June 2004.

Demonstration dissection: advanced techniques in endoscopic sinus surgery. Operative Techniques in Otolaryngology-Head and Neck Surgery, Rush University CME Program, Chicago, Illinois. June 2004.

Endoscopic Skull Base Surgery: Current Applications and Future Directions. Allina Health Care System Annual Skull Base Center Conference, Minneapolis, Minnesota, April 28, 2006.

Current concepts in the pathophysiology of chronic rhinosinusitis. Western States Rhinology Course, Sonoma, California. CME Program. October 2006.

Surgical anatomy for endoscopic sinus surgery. Western States Rhinology Course, Sonoma, California. CME Program. October 2006.

Endoscopic surgery of the orbit. Western States Rhinology Course, Sonoma, California. CME Program. October 2006.

Revision endoscopic sinus surgery. Western States Rhinology Course, Sonoma, California. CME Program. October 2006.

Round Table Session Moderator: CF Sinus Disease. North American Cystic Fibrosis Conference, Denver, Colorado. November 4, 2006.

Endoscopic DCR, orbital decompression, and optic nerve decompression. Stanford University, Department of Otolaryngology-Head and Neck Surgery, Grand Rounds Presentation. Palo Alto, California. March 1, 2007.

Current concepts in the medical management of chronic rhinosinusitis. University of California-Davis Advanced Sinus Course. Sacramento, California. March 2-3, 2007.

Endoscopic DCR. University of California-Davis Advanced Sinus Course. Sacramento, California. March 2-3, 2007.

Endoscopic sinus surgery: theory and technique. University of California-Davis Advanced Sinus Course. Sacramento, California. March 2-3, 2007.

Current concepts in the management of CRS: beyond oral antibiotics. Nebraska Otolaryngology-Head and Neck Surgery Society Meeting. September 6, 2007. Omaha, Nebraska.

Endoscopic approaches to orbital disease. Northwest Academy of Otolaryngology 2008 Winter Conference. January 12, 2008. Seattle, Washington.

Management of the difficult sinus patient. Northwest Academy of Otolaryngology 2008 Winter Conference. January 12, 2008. Seattle, Washington.

Avoiding poor surgical outcomes in endoscopic sinus surgery. Mini-seminar, Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery, Chicago, Illinois. September 2008.

Surgical anatomy for endoscopic sinus surgery. Western States Rhinology Course. CME Course. Sonoma, California. October 2008.

Endoscopic DCR. Western States Rhinology Course. CME Course. Sonoma, California. October 2008.

Endoscopic repair of skull base defects. Western States Rhinology Course. CME Course. Sonoma, California. October 2008.

New technologies in endoscopic sinus surgery. Western States Rhinology Course. CME Course. Sonoma, California. October 2008.

Endoscopic DCR: How I do it. Rhinology World 2009. Philadelphia, Pennsylvania. April 2009.

Traumatic Optic Neuropathy. Peri-ocular trauma panel. American College of Surgeons 95th Annual Clinical Congress. October 13, 2009. Chicago, Illinois.

Orbital Imaging. Peri-ocular trauma panel. American College of Surgeons 95th Annual Clinical Congress. October 13, 2009. Chicago, Illinois.

Current approaches to the frontal sinus. Mini-seminar, Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery, October 2010. Boston, MA.

Evidence-based approach to medical management of CRS. Mini-seminar, Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery, October 2010. Boston, MA.

Surgical anatomy for endoscopic sinus surgery. Western States Rhinology Course (CME). October 2010. Sonoma, California.

Intra-operative considerations in endoscopic sinus surgery. Western States Rhinology Course (CME). October 2010. Sonoma, California.

Endoscopic DCR. Western States Rhinology Course (CME). October 2010. Sonoma, California.

Endoscopic orbital decompression and optic nerve decompression. Western States Rhinology Course (CME). October 2010. Sonoma, California.

Management of pediatric sinusitis. Western States Rhinology Course (CME). October 2010. Sonoma, California.

CSF leaks and repair of skull base defects. Montana Otolaryngology Society Meeting. Big Sky. Montana. February 26-26, 2011.

Intraoperative considerations in endoscopic sinus surgery. Montana Otolaryngology Society Meeting. Big Sky. Montana. February 26-26, 2011.

Chronic rhinosinusitis: management of failures. Montana Otolaryngology Society Meeting. Big Sky. Montana. February 26-26, 2011.

Current Management of Chronic Rhinosinusitis. Exempla Good Samaritan Medical Center, Medical Staff Grand Rounds. Lafayette, Colorado. May 11, 2011.

Evidence-based approach to medical management of CRS: management of inflammation. Expert Panel. Scientific Meeting of the American Rhinologic Society. September 2011. San Francisco, CA.

Endoscopic sinus surgery: theory and technique. University of California-Davis Advanced Sinus Course. Sacramento, California. November 4, 2011.

Endoscopic pituitary surgery. University of California-Davis Advanced Sinus Course. Sacramento, California. November 4, 2011.

Pediatric Sinusitis. University of California-Davis Advanced Sinus Course. Sacramento, California. November 4, 2011.

Panel on Endoscopic Orbital Surgery. Moderator. American Rhinologic Society Summer Sinus Symposium. Chicago, Illinois. July 13-14, 2012.

Novel & evidence-based management for chronic rhinosinusitis. Mini-seminar. Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery, September 12, 2012. Washington, DC.

Endoscopic orbital surgery: current and future applications. Mini-seminar. Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery, September 12, 2012. Washington, DC.

Corticosteroids: know the risks. Instructional Course. Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery, September 12, 2012. Washington, DC.

Managing inflammation in chronic rhinosinusitis. Western States Rhinology Course (CME). October 2012. Sonoma, California.

Mastering the maxillary and ethmoid sinuses. Western States Rhinology Course (CME). October 2012. Sonoma, California.

Endoscopic DCR. Western States Rhinology Course (CME). October 2012. Sonoma, California.

Intra-operative considerations in endoscopic sinus surgery. Western States Rhinology Course (CME). October 2012. Sonoma, California.

Mastering the maxillary and ethmoid sinuses. Seattle Otology & Advanced Rhinology Course. January 31, 2013. Seattle, Washington.

Endoscopic applications in orbital surgery. Seattle Otology & Advanced Rhinology Course. January 31, 2013. Seattle, Washington.

Update on endoscopic skull base surgery. Seattle Otology & Advanced Rhinology Course. February 1, 2013. Seattle, Washington.

My most difficult case: panel discussion. Seattle Otology & Advanced Rhinology Course. February 1, 2013. Seattle, Washington.

Everyday challenges in our practice. Panel Discussion. Scientific Meeting of the American Rhinologic Society at COSM. April 12, 2013. Orlando, Florida.

Panel Moderator: Optimizing Medical Management on Chronic Rhinosinusitis. American Rhinologic Society Summer Sinus Symposium. Chicago, Illinois. July 19-20, 2013.

Endoscopic DCR. American Rhinologic Society Summer Sinus Symposium. Chicago, Illinois. July 19-20, 2013.

Aspirin Exacerbated Respiratory Disease in CRS. American Rhinologic Society Summer Sinus Symposium. Chicago, Illinois. July 19-20, 2013.

Avoiding failures in the management of chronic rhinosinusitis. Invited Speaker. Metro Atlanta Otolaryngology-Head and Neck Surgery Educational Society. January 15, 2014. Atlanta, Georgia.

Endoscopic Applications and Approaches to the Orbit. Invited Grand Rounds Presentation, Department of Otolaryngology-Head and Neck Surgery. Emory University. January 16, 2014. Atlanta, Georgia.

Surgical Anatomy for ESS. Resident Educational Conference, Department of Otolaryngology-Head and Neck Surgery. Emory University. January 16, 2014. Atlanta, Georgia.

Frontal Sinus Surgery. Resident Educational Conference, Department of Otolaryngology-Head and Neck Surgery. Emory University. January 16, 2014. Atlanta, Georgia.

Current management of Chronic Rhinosinusitis: Surgical Outcomes. National Jewish Allergy & Immunology Conference. February 7, 2014. Keystone, Colorado.

Chronic Rhinosinusitis: Diagnosis, Management, and Outcomes. Workshop. National Jewish Allergy & Immunology Conference. February 7, 2014. Keystone, Colorado

Cultures in CRS: Indication, Technique, and Interpretation. Tackling Problematic Chronic Rhinosinusitis: A Conclave of Global Experts. March 27-29, 2014. Mayo Clinic, Phoenix, Arizona.

When Do I Use Antifungal Therapy in CRS? Tackling Problematic Chronic Rhinosinusitis: A Conclave of Global Experts. March 27-29, 2014. Mayo Clinic, Phoenix, Arizona.

Executing Revision Endoscopic Sinus Surgery. Tackling Problematic Chronic Rhinosinusitis: A Conclave of Global Experts. March 27-29, 2014. Mayo Clinic, Phoenix, Arizona.

Panel of Experts: Is the Lack of Disease Definitions Problematic. Tackling Problematic Chronic Rhinosinusitis: A Conclave of Global Experts. March 27-29, 2014. Mayo Clinic, Phoenix, Arizona.

Panel of Experts: Diagnostic and Management Challenges. Tackling Problematic Chronic Rhinosinusitis: A Conclave of Global Experts. March 27-29, 2014. Mayo Clinic, Phoenix, Arizona.

Endoscopic Approaches to the Orbit. Cedar Sinai Medical Center, Los Angeles, California. April 17, 2014.

Endoscopic Approaches to the Orbit. Guest of Honor Lecture. Bay Area Resident Research Symposium, Oakland, California. June 6, 20014.

Balloons, FESS, Both, or Neither. Expert Panel. American Rhinologic Society Summer Sinus Symposium. Chicago, Illinois. July 18-19, 2014.

Sphenoid Sinus Surgery. Western States Rhinology Course (CME). October 2014. Sonoma, California.

Surgery of the Orbit and Optic Nerve. Western States Rhinology Course (CME). October 2014. Sonoma, California.

Anti-inflammatory Therapies in CRS. Western States Rhinology Course (CME). October 2014. Sonoma,

California.

Difficult and Challenging Cases: Rhinosinusitis. Invited Presentation. American Academy of Allergy, Asthma, and Immunology (AAAAI) Annual Meeting. Dallas, Texas. February 21, 2015.

Endoscopic Orbital Surgery: State of the Art. Panel Discussion. American Rhinologic Society Scientific Meeting, Boston, Massachusetts. April 23, 2015.

Topical Therapies and Local Drug Delivery. Moderator, Panel Discussion. American Rhinologic Society Summer Sinus Symposium. Chicago, Illinois. July 17-18, 2015.

Frontal Sinus Surgery: Tips, Techniques, and Tools. Panel Discussion. American Rhinologic Society Summer Sinus Symposium. Chicago, Illinois. July 17-18, 2015.

Management of Inflammation in Chronic Rhinosinusitis. Rhinology Update, University of California – Davis School of Medicine, Department of Otolaryngology-Head & Neck Surgery. Sacramento, California. October 16-17, 2015.

Mastering the Maxillary and Ethmoid Sinuses. Rhinology Update, University of California – Davis School of Medicine, Department of Otolaryngology-Head & Neck Surgery. Sacramento, California. October 16-17, 2015.

Surgical Approaches to the Orbit and Optic Nerve. Rhinology Update, University of California – Davis School of Medicine, Department of Otolaryngology-Head & Neck Surgery. Sacramento, California. October 16-17, 2015.

Perioperative and Intraoperative Considerations During Endoscopic Sinus Surgery. Rhinology Update, University of California – Davis School of Medicine, Department of Otolaryngology-Head & Neck Surgery. Sacramento, California. October 16-17, 2015.

Revision Endoscopic Sinus Surgery. Rhinology Update, University of California – Davis School of Medicine, Department of Otolaryngology-Head & Neck Surgery. Sacramento, California. October 16-17, 2015.

Surgical Approaches to the Orbit: A Rhinologist’s Perspective. TOC Eye and Face 2016: A Multi-Disciplinary Symposium. Austin, Texas. April 29-30, 2016.

Ask the Expert: Failed Lacrimal Surgery. TOC Eye and Face 2016: A Multi-Disciplinary Symposium. Austin, Texas. April 29-30, 2016.

The Endoscopic Sinus Surgeon’s Approach to Lacrimal Disease. TOC Eye and Face 2016: A Multi-Disciplinary Symposium. Austin, Texas. April 29-30, 2016.

Combined Approach to Orbital Decompression – Keys to Success. TOC Eye and Face 2016: A Multi-Disciplinary Symposium. Austin, Texas. April 29-30, 2016.

Taking a Mulligan: A Case I Would Do Differently. Panel Discussion at the American Rhinologic Society Annual Scientific Meeting, San Diego, California. September 17, 2016.

Maximal Medical Therapy in 2016. Western States Rhinology Course (CME). October 2016. Sonoma, California.

Revision Sinus Surgery. Western States Rhinology Course (CME). October 2016. Sonoma, California.

Repair of Skull Base Defects. Western States Rhinology Course (CME). October 2016. Sonoma, California.

Endoscopic Approaches to the Orbit. Keynote Rhinology Speaker. 10th Annual Otolaryngology Update in New York City. October 20-21, 2016. New York, New York.

Rhinology Panel: Challenging Cases. 10th Annual Otolaryngology Update in New York City. October 20-21, 2016. New York, New York.

Panel Moderator: Cases I Would Handle Differently Now. Ultimate Colorado Mid-Winter Meeting. Vail, Colorado. January 31, 2017.

Appropriate Medical Therapy & Timing of Surgery in CRS. Presentation. Ultimate Colorado Mid-Winter Meeting. Vail, Colorado. January 31, 2017.

Surgical Management of Chronic Rhinosinusitis. National Jewish 39th Annual Pulmonary & Allergy Update. February 3, 2017. Keystone, Colorado.

Panel: Appropriateness Criteria for Sinus Surgery. American Rhinologic Annual Scientific Meeting, Chicago, Illinois. September 9, 2017.

Panel Moderator and Chair: Is Sinus Surgery Going Away? Triological Society Combined Sections Meeting, San Diego, CA, January 2019.

Surgery for Chronic Rhinosinusitis: Where Does it Help? National Jewish 42nd Annual Pulmonary & Allergy Update. February 6, 2020. Keystone, Colorado.

***International***

Management of juvenile nasopharyngeal angiofibromas. XIX World Congress IFOS. June 2, 2009, Sao Paulo, Brazil.

Endoscopic Approaches to the Orbit. 24th European Rhinologic Society & 31St International Symposium on Infection and Allergy of the Nose Congress. Toulouse, France. June 18-21, 2012.

Perioperative management of sinonasal surgery. Panel moderator. 20th IFOS World Congress 2013. Seoul, Korea. June 2013.

Controversies in Rhinology. Panel moderator. 20th IFOS World Congress 2013. Seoul, Korea. June 2013.

The role of aspirin related sinonasal disease. Panel: New things in the management of sinonasal polyposis. 20th IFOS World Congress 2013. Seoul, Korea. June 2013.

Invited Guest of Honor, FESS Workshop / Program. Kenya Ear, Nose, and Throat Society. Nairobi, Kenya. October 23-25, 2013.

Surgical Anatomy for Endoscopic Sinus Surgery. FESS Workshop / Program: Kenya Ear, Nose, and Throat Society. Nairobi, Kenya. October 2013.

Peri-operative Considerations in FESS. FESS Workshop / Program: Kenya Ear, Nose, and Throat Society. Nairobi, Kenya. October 2013.

Frontal Sinus Surgery. FESS Workshop / Program: Kenya Ear, Nose, and Throat Society. Nairobi, Kenya. October 2013.

Endoscopic Approaches to the Orbit. FESS Workshop / Program: Kenya Ear, Nose, and Throat Society. Nairobi, Kenya. October 2013.

Mastering Maxillary and Ethmoid Sinus Surgery. FESS Workshop / Program: Kenya Ear, Nose, and Throat Society. Nairobi, Kenya. October 2013.

Endoscopic Skull Base Surgery. FESS Workshop / Program: Kenya Ear, Nose, and Throat Society. Nairobi, Kenya. October 2013.

Orbital Decompression for Thyroid Eye Disease: Outcomes and Complications. Invited Guest, Jikei University School of Medicine, Department of Otolaryngology-Head & Neck Surgery, Tokyo, Japan. August 2015.

Roundtable Moderator: Appropriate Timing of Sinus Surgery. ENT World Congress – IFOS 2017. Paris, France. June 27, 2017.

Evidence-based Frontal Sinus Surgery: Balloon Dilation. ENT World Congress – IFOS 2017. Paris, France. June 27, 2017.

The Association Between Nasal Polyposis and the Lower Airway. ENT World Congress – IFOS 2017. Paris, France. June 28, 2017.

Critically Evaluating Office-Based Rhinology. 27th Congress of the European Rhinologic Society. London, United Kingdom. April 22, 2018.

Evidence Based Recommendations in Rhinosinusitis – The Art of Providing Best Science. 27th Congress of the European Rhinologic Society. London, United Kingdom. April 22, 2018.

**Grants & Research Activity**

Phase I STTR grant, NIH – NIAID #7R41AI063892-02
Consultant
"MicroFlex Tools to Improve Sinus Diagnostics & Surgery”
Period of Performance:  5/01/05 - 4/30/07
Amount of Grant:  $151,892

Phase I SBIR grant, NSF Award IIP-0741015
Consultant
"Force Feedback Control of a Shape Memory Alloy Active Catheter for
Minimally Invasive Micro-Surgery"
Period of performance: January 2008 - December 2008
Amount of grant: $149,800

Phase II STTR grant, NIH-NIAID #2R42AI063892-02A2
Co-Investigator (5%)
“MicroFlex Tools to Improve Sinus Diagnostics & Surgery”
 Period of Performance:  6/2008 – 6/2010
 Amount of Grant:  $997,200

Phase 1b Trial. Study Sponsor: Amgen (AMG 282 NSL)

Principle Investigator

A Randomized, Double-blind, Placebo-controlled, Ascending Multiple-Dose Study to Evaluate the Safety, Tolerability, Pharmacokinetics, and Pharmacodynamics of AMG 282 in Healthy Subjects and Subjects with Chronic Rhinosinusitis with Nasal Polyps.

Period of Performance: Open July 2015, Closed March 2016

Amount of grant: $727,602

**Peer-reviewed Scientific Abstract Presentations at National Meetings**

1. Actinomycosis of the nasal septum in a patient infected with the human immunodeficiency virus.

Poster Presentation. Annual Meeting of the American Academy of Otolaryngology - Head and

Neck Surgery: October 2-6, 1993. Minneapolis, Minnesota.

1. Transsternal closure of acquired tracheoesophageal fistula after laryngectomy. Oral Presentation.

Western Section of the Triological Society: January 8-10, 1994. La Jolla, California.

1. Mucosal melanoma of the nasal cavity and paranasal sinuses. Oral Presentation. Annual Meeting

of the German and North American Skull Base Societies: February 19-22, 1994. Buena Vista, Florida.

1. Negative sweat test and chronic sinusitis in cystic fibrosis: a case report. Poster Presentation. 9th

Annual Meeting of the American Society of Pediatric Otolaryngology: May 11-12, 1994.

Palm Beach, Florida.

1. Transoral - transpharyngeal approach to the craniocervical junction. Plenary Session

Presentation. Annual Meeting of the American Academy of Otolaryngology - Head & Neck

Surgery: September 19, 1994. San Francisco, California.

1. Chiari I malformation presenting as bilateral vocal cord paralysis in the adult. Poster

Presentation. Annual Meeting of the American Academy of Otolaryngology - Head & Neck

Surgery: September 19, 1994. San Francisco, California.

1. Enhanced reliability and renewed applications of the deltopectoral flap in head and neck

reconstruction. Oral Presentation. Western Section Meeting of the Triological Society:

January 14, 1996. Los Angeles, California.

1. Clinical characteristics and genotype analysis of cystic fibrosis patients with nasal polyposis

requiring surgery. Oral Presentation. 11th Annual Meeting of the American Society of Pediatric

Otolaryngology: May 6, 1996. Orlando, Florida.

1. Doxycycline sclerosis of benign lymphoepithelial cysts. Oral Presentation. Western Section

Meeting of the Triological Society: January 11, 1997. Tucson, Arizona.

1. Management of thyroid carcinoma invading the aerodigestive tract. Oral Presentation. Southern

Section Meeting of the Triological Society: January 16, 1998. Orlando, Florida.

1. Nasopharyngeal malignancies in children. Oral Presentation. American Society of Pediatric

Otolaryngology: May 13, 1998. West Palm Beach, Florida.

1. Imaged-guided surgery of the sinuses and skullbase. Oral Presentation. Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery: September 15, 1998.

San Antonio, Texas.

1. Paranasal sinus meningiomas. Oral Presentation. Meeting of the American Rhinologic Society: September 25, 1999. New Orleans, Louisiana.
2. Endoscopic sinus surgery in patients with cystic fibrosis: an analysis of complications. Oral Presentation. Meeting of the American Rhinologic Society: September 25, 1999. New Orleans, Louisiana.
3. Malleable Registration Mask for Image-Guided Surgery. Oral Presentation, American Rhinologic Society Meeting: May 16, 2000. Orlando, Florida.
4. Computed Tomography Findings in Patients with Invasive Fungal Sinusitis. Oral Presentation, American Rhinologic Society Meeting: May 16, 2000. Orlando, Florida.
5. Locally advanced skin cancer of the head & neck: treatment by craniofacial resection and free tissue transfer. Poster Presentation, 4th International Conference on Head & Neck Surgery: July 30, 2000.
6. The microbiology and resistance patterns in chronic rhinosinusitis. Oral presentation. American Rhinologic Society Meeting, September 8, 2001. Denver, Colorado.
7. Endoscopic management of lesions of the sphenoid, clivus, and orbital apex. Oral presentation. American Rhinologic Society Meeting, September 8, 2001. Denver, Colorado.
8. The presence of fungus in sinus cultures of cystic fibrosis patients. Oral Presentation. American Rhinologic Society Meeting, September 20, 2003. Orlando, Florida.
9. Endoscopic salvage of frontal sinus obliterations. Oral Presentation. American Rhinologic Society Meeting, September 20, 2003. Orlando, Florida.
10. Expression of cyclooxygenase and lipoxygenase enzymes in nasal polyps of aspirin sensitive and aspirin tolerant patients. Oral presentation. The Western Section Meeting of the Triological Society, February 1, 2005. Las Vegas, Nevada.
11. Expression of cyclooxygenase and lipoxygenase enzymes in CF sinonasal epithelium. Oral presentation. American Rhinologic Society Meeting. May 14, 2005. Boca Raton, Florida.
12. Total IgE levels and peripheral eosinophilia: correlation with mucosal disease based on paranasal sinus CT. Oral Presentation. American Rhinologic Society Meeting. September 24, 2005. Los Angeles, California.
13. Non-Hodgkin’s Lymphoma on the frontal sinus presenting as osteomyelitis. Poster Presentation. Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery. September 25-28, 2005. Los Angeles, California.
14. Endoscopic resection of an anterior cranial base schwannoma. Poster Presentation. Annual Meeting of the American Academy of Otolaryngology-Head and Neck Surgery. September 25-28, 2005. Los Angeles, California.
15. Phosphaturic mesenchymal tumor of the paranasal sinuses. Poster Presentation. American Rhinologic Society Meeting. September 24, 2005. Los Angeles, California.
16. De Groote MA, Bozell S, Katial R, Alam R, Frank DN, Harris JK, Pace NR, Harbeck RJ, Kingdom TT. Culture vs. Broad-range Molecular Detection of Microbes in Endoscopic Specimens from Adults with Chronic Sinusitis and Controls: a Pilot Project. American Society of Microbiology, Orlando, Florida. May 2006.
17. Ramakrishnan VR, Hink EM, Durairaj VD, Kingdom TT. Outcomes after endoscopic DCR without mucosal flap preservation. Oral Presentation. American Rhinologic Society Meeting. April 26-27, 2007. San Diego, California.
18. Chan KH, Fernandez PG, Kingdom TT, Gao D, Kumpe DA. Juvenile nasopharyngeal angifibroma: predictors for operative complications and tumor recurrence. Oral presentation. American Society of Pediatric Otolaryngology. April 28, 2007. San Diego, California.
19. Ramakrishnan VR, Saavedra MT, Kingdom TT. Protein microarray analysis detects differences in nasal polyps from patients with cystic fibrosis. Oral Presentation. Triological Society Meeting. April 28, 2007. San Diego, California.
20. Scapa VI, Said MS, Kingdom TT. Endoscopic resection of a sphenoid sinus teratoarcinosarcoma. Poster Presentation. American Rhinologic Society Meeting. September 15, 2007. Washington D.C.
21. Green TJ, Woodson T, Kingdom TT. Sinus CT findings in patients with bronchiectasis. Poster Presentation. Annual Meeting of the Triological Society, May 2008.
22. Scapa VI, Vaughn RC, Kingdom TT, Durairaj VD. Dacryocysitis as the initial presentation of invasive fungal sinusitis. Poster Presentation. American Rhinologic Society Meeting, September 20, 2008. Chicago. Illinois.
23. Zander ZA, Saavedra MT, Scapa VI, Sanders L, Kingdom TT. Protein microarray analysis of nasal polyps aspirin-sensitive and aspirin-tolerant patients with chronic rhinosinusitis. Oral Presentation. American Rhinologic Society Meeting, September 20, 2008. Chicago. Illinois.
24. Ramakrishnan VR, Hink EM, Durairaj VD, Kingdom TT. Diagnosis and endoscopic management of acquired nasolacrimal duct obstruction secondary to radioactive iodine treatment for thyroid malignancy. Poster Presentation. American Rhinologic Society Meeting, September 20, 2008. Chicago. Illinois.
25. Higgins TS, Hwang PH, Kingdom TT, Stammberger H, Han JK. A systematic review of topical vasoconstrictors in pediatric sinus surgery. Poster Presentation. American Rhinologic Society Meeting, September 20, 2008. Chicago. Illinois.
26. Hink EM, Kingdom TT, Durairaj VD. Orbital applications of image guidance surgery in

complex sino-orbital disease. The Orbital Society. New York, New York. Sept 25, 2008

1. Scapa VI, Saavedra MT, Kingdom TT. Upregulation of Bcl-2 in nasal polyps of patients with cystic fibrosis. Oral Presentation. Rhinology World Scientific Meeting, April 16, 2009. Philadelphia, PA.
2. Ramakrishnan VR, Kingdom TT. Presence of microabscesses in the epithelium of nasal polyps in patients with cystic fibrosis (CF). Poster Presentation. Rhinology World Scientific Meeting, April 16-19, 2009. Philadelphia, PA.
3. Mudd PA, Lillehei KO, Kleinschmidt-DeMasters BK, Kingdom TT. Clinical pituitary apoplexy due to a clival ectopic pituitary adenoma. Poster Presentation. American Rhinologic Society Meeting, October 3, 2009. San Diego, California.
4. Barham HP, Kingdom TT. Chondrosarcoma of the Nasal Cavity: A Case Report. The American Rhinologic Society annual meeting in Boston, September 2010.
5. Scapa VI, Mudd PA, Kingdom TT. Upregulation of RANTES in nasal polyps from patients with cystic fibrosis. Oral Presentation. American Rhinologic Society Meeting, April 30, 2010. Las Vegas, Nevada.
6. Wudel J, Kingdom TT, Durairaj VD. DCR in patients with sarcoidosis. Poster Presentation. American Rhinologic Society Meeting, April 30, 2010. Las Vegas, Nevada.
7. Batra PS, Kingdom TT, Citardi MJ. Fellowship training in rhinology: ARS survey of US graduates. Oral Presentation. American Rhinologic Society Meeting, September 25, 2010. Boston, Massachusetts.
8. Mudd PA, Katial RK, Kingdom TT. Variations in expression of matrix metalloproteinase-9 (MMP-9) and tissue inhibitor of metalloproteinase-1 (TIMP-1) in nasal mucosa of aspirin-sensitive versus aspirin-tolerant patients with nasal polyposis. Oral Presentation. American Rhinologic Society Meeting, September 25, 2010. Boston, Massachusetts.
9. Ramakrishnan V, Kingdom TT, Orlandi RO, Hwang PH. Nationwide incidence of major complications in endoscopic sinus surery. Oral Presentation. American Rhinologic Society Meeting, September 10, 2011. San Francisco, California.
10. Barham HP, Tizzano M, Anderson CB, Ramakrishnan VR, Kingdom TT, Finger TE, Kinnamon SC. Solitary chemosensory cells in biopsies of human nasal mucosa. Association for Chemoreception Sciences 34th Annual Meeting in Huntington Beach, California, April 26, 2012.
11. HP Barham, CB Anderson, M Tizzano, SE Cooper, TT Kingdom, TE Finger, SC Kinnamon, VR Ramakrishnan. Presence of solitary chemosensory cells and bitter taste transduction in human sinonasal mucosa. The American Rhinologic Society annual meeting in Washington DC, September 2012.
12. Edward JA, Sanyal M, Ramakrishnan VR, Hwang PH, Kingdom TT, Nayak JV. Systemic prednisone administration selectively alters granulocyte subsets in nasal polyps from AERD and CRS patients. Combined Otolaryngology Spring Meetings, American Rhinologic Society Meeting, Orlando, FL, April 11-14, 2013. Oral Presentation
13. Ferril GR, Suh JD, Woodson T, Green TJ, RamakrishnanVR, Kingdom TT. Bacteriologic and radiographic findings in upper and lower airways in patients with chronic rhinosinususitis and bronchiectasis. Combined Otolaryngology Spring Meetings, American Rhinologic Society Meeting, Orlando, FL, April 11-14, 2013. Oral Presentation
14. Edward JA, Sanyal M, Ramakrishnan VR, Hwang PH, Kingdom TT, Nayak JV. Localized recruitment of regulatory T cells (Treg) in nasal polyps following steroid administration in CRS patients. Federation of Clinical Immunology Societies, Boston, MA, June 27-30, 2013.
15. Lee JT, Kingdom TT, Smith TL, Setzen M, Brown S, and Batra PS.  Practice Patterns in Endoscopic Skull Base Surgery:  Survey of the American Rhinologic Society. Presented at the 59th Annual Meeting of the American Rhinologic Society*,* Vancouver, Canada, September 28, 2013.
16. Ferril GR, Nick J, Getz AE, Barham HP, Everett D, Kingdom TT, Ramakrishnan VR. Comparison of radiographic and clinical characteristics of low-risk and high-risk CF genotypes. Oral Presentation at the Combined Otolaryngology Spring Meetings, American Rhinologic Society Meeting, Las Vegas, Nevada, May 18, 2014.
17. Gitomer SA, Kingdom TT, Silau SH, Katial RK, Ramakrishnan VR. Clinical examination of tissue eosinophilia in patients with chronic rhinosinusitis and nasal polyposis. Oral Presentation. Annual Meeting of the American Academy of Otolaryngology – Head and Neck Surgery, Orlando, Florida, September 23, 2014.
18. Hauser LJ, Ir D, Kingdom TT, Robinson C, Frank DN, Ramakrishnan VR. Evaluation of bacterial transmission to the paranasal sinuses through sinus irrigation. Oral Presentation. Combined Otolaryngology Spring Meetings, American Rhinologic Society Meeting, Boston, Massachusetts, April 24, 2015.
19. Hauser LJ, Ir D, Kingdom TT, Robinson C, Frank DN, Ramakrishnan VR. Investigation of bacterial repopulation after sinus surgery and perioperative antibiotics. Combined Otolaryngology Spring Meetings, American Rhinologic Society Meeting, Boston, Massachusetts, April 24, 2015.
20. Rosen SAB, Getz AE, Kingdom TT, Youssef AS, Ramakrishnan VR. Systemic review of perioperative antibiotics in skull base surgery. Oral Presentation. Annual Meeting of the American Academy of Otolaryngology – Head and Neck Surgery, Dallas, Texas, September 28, 2015.
21. Sokoya M, Ramakrishnan VR, Frank DN, Rakhola J, Getz A, Kingdom TT, Janoff EN. Chronic rhinosinusitis modulates the expression of tissue and secreted immunoglobulin D. Oral Presentation. Annual Meeting of the American Academy of Otolaryngology – Head and Neck Surgery, San Diego, California. September 19, 2016.
22. Kingdom TT, Barham HP, Durairaj VD. Long-term outcomes after endoscopic dacryocystorhinostomy without preservation of mucosal flaps. Oral Presentation. Triological Society Combined Sections Meeting, San Diego, California. January 24, 2019.

**Peer Reviewed Publications**

1. **Kingdom TT**, Lalwani AK, Pitts LH. Isolated metastatic melanoma of the cerebellopontine angle: a case report. Neurosurgery 1993; 33: 142-144.
2. **Kingdom TT**, Tami TA. Actinomycosis of the nasal septum in a patient infected with the human immunodeficiency virus. Otolaryngol Head Neck Surg 1994; 111: 130-133.
3. **Kingdom TT**, Kaplan MJ. Mucosal melanoma of the nasal cavity and paranasal sinuses. Head Neck 1995; 17: 184-189.
4. **Kingdom TT**, Kaplan MJ. Transoral- transpharyngeal approach to the craniocervical junction. Otolaryngol Head Neck Surg 1995; 113: 393-400.
5. **Kingdom TT**, Lee KC, Cropp GJ. Chronic sinusitis and a negative sweat test in a patient with cystic fibrosis. Am J Rhinology 1995; 9: 225-228.
6. **Kingdom TT**, Lee KC. Invasive aspergillosis of the larynx in AIDS. Otolaryngol Head Neck Surg 1996; 115: 135-137.
7. **Kingdom TT**, Singer MI. Enhanced reliability and renewed applications of the deltopectoral flap in head and neck reconstruction. Laryngoscope 1996; 106: 1230-1233.
8. **Kingdom TT**, Lee KC, Cropp GJ. Clinical characteristics and genotype analysis of cystic fibrosis patients with nasal polyposis requiring surgery. Arch Otolaryngol Head Neck Surg 1996; 122: 1209-1213.
9. Blevins NH, **Kingdom TT**, Deschler DG, Lee KC. Chiari I malformation presenting as bilateral vocal cord paralysis in the adult. Otolaryngol Head Neck Surg 1997;117(6):S191-194.
10. Lustig LL, Lee KC, Murr A, Deschler DG, **Kingdom TT**. Doxycycline sclerosis of benign lymphoepithelial cysts in patients infected with HIV. Laryngoscope 1998;108:1199-1205.
11. Bayles S, **Kingdom TT**, Carlson GW. Management of thyroid carcinoma invading the aerodigestive tract. Laryngoscope 1998;108(9):1402-1407.
12. Albritton FD, **Kingdom TT**. Endoscopic sinus surgery in patients with cystic fibrosis: an analysis of complications. Am J Rhinol 2000;14(6):379-385.
13. Swain RE, **Kingdom TT**, Muller S. Botryomycosis. Arch Otolaryngol Head Neck Surg 2000;126:1155-1159.
14. Swain RE, **Kingdom TT**, DelGaudio JM, Grist WJ. Paranasal sinus meningiomas. Am J Rhinol 2001;15(1):27-30.
15. Albritton FD, **Kingdom TT**, DelGaudio JM. Malleable registration mask: application of a novel registration method in image-guided surgery. Am J Rhinol 2001;15(2):219-224.
16. DelGaudio JM, Swain RE, **Kingdom TT**, et al. Computed tomographic findings in patients with invasive fungal sinusitis. Arch Otolaryngol Head Neck Surg 2003;129:236-240.
17. **Kingdom TT**, DelGaudio JM. Endoscopic approach to lesions of the sphenoid sinus, orbital apex, and clivus. Am J Otolaryngol 2003;24:317-322.
18. **Kingdom TT**, Swain RE. The microbiology of antimicrobial resistance patterns in chronic rhinosinusitis. Am J Otolaryngol 2004;25:323-328.
19. Wise SK, **Kingdom TT**, McKean L, DelGaudio JM, Venkatraman G. Presence of fungus in sinus cultures of cystic fibrosis patients. Am J Rhinol 2005;19:47-51.
20. Hwang PH, Han JK, Bilstrom EJ, **Kingdom TT**, Fong KJ. Surgical revision of the failed obliterated frontal sinus. Am J Rhinol 2005;19:425-429.
21. Hudgins PA, **Kingdom TT**, Weissler MC, Mukherji SK. Selective neck dissection: CT and MRI imaging findings. Am J Neurorad 2005;26(5):1174-1177.
22. Owens J, Shroyer K, **Kingdom TT**. Expression of cyclooxygenase and lipoxygenase enzymes in nasal polyps of aspirin sensitive and aspirin tolerant patients. Arch Otolaryngol Head Neck Surg. 2006;132:579-587.
23. Chain JR, **Kingdom TT**. Non-Hodgkin’s lymphoma of the fontal sinus presenting as osteomyelitis. Am J Otolaryngol 2007;28:42-45.
24. Poznanovic SA., **Kingdom TT**. Total IgE levels and Peripheral Eosinophilia: Correlation with Mucosal Disease Based on Paranasal Sinus CT. Arch of Otolaryngol Head Neck Surg. 2007; 133(7):701 -704.
25. Ramakrishnan VR, Hink EM, Durairaj VD, **Kingdom TT**. Outcomes after endoscopic DCR without mucosal flap preservation. Am J Rhinol. 2007;21:753-757.
26. Owens J, Shroyer K, **Kingdom TT**. Expression of cyclooxygenase and lipoxygenase enzymes in CF sinonasal epithelium. Arch Otolaryngol Head Neck Surg. 2008;134(8):825-831.
27. Leem T, **Kingdom TT**. Complex odontoma of maxillary sinus. Radiology Quiz. Arch Otolaryngol Head Neck Surg. 2008;134(6):667-668.
28. Zander ZA, Saavedra MT, Scapa VI, Sanders L, **Kingdom TT**. Protein microarray analysis of nasal polyps aspirin-sensitive and aspirin-tolerant patients with chronic rhinosinusitis. Am J Rhinol Allergy 2009;23:268-272.
29. Ramakrishnan VR, Said S, **Kingdom TT**. Primary leiomyosarcoma of the sphenoid sinus. Arch Otolaryngol Head Neck Surg. 2009;135(9):949-952.
30. Marple BF, Stringer S, Batra PS Bhattacharyya N, Chiu A, Citardi M, Han J, Kern R, **Kingdom TT**, Lane A, Orlandi RO, Ryan MW, Senior BA, Stewart M. Going to the next level: Health care’s evolving expectations for evidence. Otolarngol-Head Neck Surg 2009;141(5):551-666.
31. Higgins TS, Hwang PH, **Kingdom TT**, Orlandi RR, Stammberger H, Han JK. Systematic review of topical vasoconstrictors in endoscopic sinus surgery.Laryngoscope 2011;121:422-432.
32. Ramakrishnan VR, Durairaj VD, **Kingdom TT**. Endoscopic management of acquired nasolacrimal duct obstruction secondary to radioactive iodine treatment for thyroid malignancy. J Aller Ther 2011;2:110. Doi:10.4172/2155-6121.1000110
33. Scapa VI, Mudd PA, **Kingdom TT**. Upregulation of RANTES in nasal polyps from patients with cystic fibrosis. Int Forum Allergy Rhinol, 2011;1:157-160.
34. Batra PS, **Kingdom TT**, Citardi MJ. Fellowship training in rhinology: ARS survey of US graduates. Int Forum Allergy Rhinol, 2011;1:206-211.
35. Mudd PA, Katial RK, **Kingdom TT**. Variations in expression of matrix metalloproteinase-9 (MMP-9) and tissue inhibitor of metalloproteinase-1 (TIMP-1) in nasal mucosa of aspirin-sensitive versus aspirin-tolerant patients with nasal polyposis. Ann Allergy Asthma Immunol 2011;107(4):353-359.
36. Mudd PA, Hohensee S, Lillehei KO, **Kingdom TT**, Klenschmidt-Demasters BK. Ectopic pituitary adenoma of the clivus presenting with apoplexy: case report and review of the literature. Clin Neuropathol 2012;31(1):24-30.
37. Ramakrishnan VR, **Kingdom TT**, Nayak JV, Hwang PH, Orlandi RO. Nationwide incidence of major complications in endoscopic sinus surgery. Int Forum Allergy Rhinol 2012;2:34-39.
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