

## **CURRICULUM VITAE**

**Donald A. Leopold, M.D.**

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### **CAMPUS ADDRESS**

University of Vermont  
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### **BIRTHPLACE**

Lakewood, Ohio

### **EDUCATIONAL BACKGROUND**

M.D., Ohio State University, Columbus, Ohio, 1973

B.S.E., Engineering, University of Michigan, Ann Arbor, MI, 1969

### **POST-DEGREE TRAINING**

M.S.B. (Masters of Science in Business), Johns Hopkins University, 1999

Otolaryngology Residency, University Hospitals, Iowa City, Iowa, 1974-1978

Surgery Internship, St. Luke's Hospital Center, New York, New York, 1973-1974

### **ACADEMIC APPOINTMENTS**

Professor, Dept of Surgery, University of Vermont Larner College of Medicine, Burlington, Vermont, 2011 - present

Clinical Professor, Department of Medicine, Creighton University School of Medicine, Omaha, Nebraska, 2005 – 2011

Professor, Department of Otolaryngology – Head and Neck Surgery, University of Nebraska Medical Center, Omaha, Nebraska, 1999 – 2011

Chair, Department of Otolaryngology – Head and Neck Surgery, University of Nebraska Medical Center, Omaha, Nebraska, 1999 – 2010

Associate Professor, Department of Otolaryngology – Head and Neck Surgery, Johns Hopkins University and Medical Institutions, Baltimore, Maryland, 1991-1999

Chair, Department of Otolaryngology – Head and Neck Surgery, Johns Hopkins Bayview Medical Center, Baltimore, Maryland, 1991-1997

Associate Professor, State University of New York Health Science Center at Syracuse (Upstate Medical University), Syracuse, New York, 1985 – 1991

Assistant Professor, State University of New York Health Science Center at Syracuse (Upstate Medical University), Syracuse, New York, 1978 – 1985

Design and implementation of a third generation dialyzing machine and associated components, Baxter Travenol Laboratories, Chicago, IL, 1969-1970

### **CERTIFICATION**

American Board of Facial Plastic and Reconstructive Surgery (ABFPRS), 1990

Fellow, The Triologic Society, May 1987

Fellow, American Academy of Facial Plastic and Reconstructive Surgery (AAFPRS), May 1984

Fellow, American College of Surgeons (ACS), October 1983

American Board of Otolaryngology (ABO), October 22, 1978

## **LICENSURE**

Vermont

Ohio

## **HOSPITAL AFFILIATIONS**

University of Vermont Medical Center, Burlington, Vermont

## **FUNDED RESEARCH**

Norwich Eaton Pharmaceuticals, Inc. 1988-1990

- Investigations into the effects of decongestant/wetting agent on the maxillary sinuses of patients with acute infection.
- MRI used to document and measure sinus membrane thickening.

National Institutes of Health (NIH) - Institute of Deafness and Other Communications Disorders.

Program Project Grant #DC00220. Olfactory Research Center, SUNY Health Science Center at Syracuse. (Previous #NS19658.) 9/1/83-9/1/91.

- Medical director of all clinical activities.
- Director of core project.
- Project director of investigations into nasal airflow and human olfactory histology.

National Institutes of Health (NIH) - Institute of Allergy and Infectious Diseases.

Program Project Grant #P1AI37163. "Epithelial Function and Dysfunction in Chronic Sinusitis." 9/1/95-8/31/99. 1<sup>st</sup> year total budget = \$750,000.

- Medical director of all clinical activities.
- Principal investigator and director of core project.

National Institutes of Health (NIH) - Institute of Child Health and Disease.

Program Grant #HD24448-11. "Pathogenesis of Rett Syndrome."

1999 1<sup>st</sup> Year Budget = \$746,641.

- Investigations into the suitability of the human olfactory neuron as a model for the neurons in patients with Rett Syndrome.

## **FUNDED RESEARCH (continued)**

National Institutes of Health (NIH)

Program Grant # 1 RO1 NS41079-01 "Olfactory Abnormalities in the Modeling of Rett Syndrome"

2000 1st Year Budget = \$357,014

- Performance of olfactory epithelial nasal biopsies, an essential part of the project, on patients and controls, using standardized techniques and approaches to take samples of nasal epithelium from the upper nasal regions which contain olfactory receptor neurons.

American Rhinologic Society – 2000-2001

\$10,000

“Histologic study of the superior turbinate which is resected during endoscopic sphenoidotomy and its effect on olfaction”

American Rhinologic Society CORE Grant 2003-2004

\$8,000

“Nasal Mucosal Sensitivity in Young and Old”

National Institute of Health (NIH) - 2003

Program Grant “Olfactory Abnormalities in the Modeling of Rett Syndrome”

Assistance with obtaining and interpreting human olfactory biopsies for histology and culture.

Optinose – Fluticasone 16 week Randomized, Double Blind, Placebo controlled. Parallel group, multicenter study. Planning and Execution. 2012-2014

## **REVIEWER FOR THE FOLLOWING JOURNALS**

*Acta Oto-Laryngologica (Scandinavia)*

*International Forum of Allergy & Rhinology* – Associate Editor (2010 – present)

*Laryngoscope* – 1995 – present (“Top Peer Reviewer” in 2013)

*American Journal of Rhinology and Allergy* – (Associate editor 1987-2010)

*Journal of Allergy & Clinical Immunology*

*Current Science*: Section Editor for Current Opinion in Otolaryngology - Head and Neck Surgery:

Diseases of the Nose and Paranasal Sinuses, 1993-1996

*Archives of Otolaryngology-Head & Neck Surgery*

*Annals of Otolaryngology, Rhinology and Laryngology*

*Otolaryngology - Head and Neck Surgery*

*Rhinology*

Editor, Nose & Paranasal Sinuses Section, “Maintenance Manual for Lifelong Learning,” 2001. American Academy of Otolaryngology – Head and Neck Surgery.

*British Medical Journal*

## **HONORS AND AWARDS**

Selected for “Top Otolaryngologist in Burlington VT by the International Assn of Healthcare Professionals (IAHCP), listed in “*The leading Physicians of the World*”

Selected for IBC “Leading Health Professionals of the World 2013”

Selected by peers to be included in *Best Doctors in America 2011, 2012, 2013*. Best Doctors, Inc., Boston.

Recognized in *Marquis Who's Who in America*, 2012 Edition, Berkeley Heights, NJ

Recognized in *Kipling's Who's Who*, 2011-2012 Edition, Deer Park, NY

Recognized in *Who's Who in Science and Engineering 2011-2012* Edition. Marquis, New Providence, NJ.

Recognized in *Guide to America's Top Physicians*, 2010 Edition. Consumers' Research Council of America, Washington, DC.

Selected by peers to be included in *Best Doctors in America 2009-2010*. Best Doctors, Inc., Boston, MA.

Recognized in *Presidential Who's Who*, 2009-2010 Edition, Astoria, NY

Elected as Faculty Member of Alpha Omega Alpha National Honor Society, October 2008

Recognized in *Presidential Who's Who Legacy-VIP Section*, 2009 Edition, Long Island City, NY.

### **HONORS AND AWARDS (continued)**

Recognized in *Madison Who's Who*, 2008-2009 Edition, Astoria NY.

Recognized in *Madison Who's Who Among Executives and Professionals*, Honors Edition, 2008-2009.

Recognized in *Premier International Who's Who Registry of Outstanding Professionals*, 2008-2009 Edition, Long Island, NY.

Recognized in *Who's Who in America*, 2007, 2009-2011 Editions, Marquis, New Providence, NJ.

Selected by peers to be included in *Best Doctors in America 2007-2008*. Best Doctors, Inc., Boston, MA.

Recognized in *Madison Who's Who Among Executives and Professionals*, Honors Edition, 2007-2008.

Recognized in *Who's Who in American Education*, 2007-2008 Edition, Marquis, Providence, NJ.

Recognized in *Strathmore's Who's Who*, 2007, 2017 Editions, Syosset, NY.

Recognized in *Manchester Who's Who Among Executives and Professionals*, Honors Edition, 2006-2007. Uniondale, NY.

Recognized in *Who's Who in Medicine and Healthcare*, 2006-2007 Edition, Marquis, Providence, NJ.

Recognized in *Who's Who in American Education*, 2006-2007, Marquis Publications, New Providence, New Jersey.

Recognized in *Cambridge Who's Who*, 2008-2011 Editions, Uniondale, NY.

Recognized in *Hamilton's Who's Who*, 2008, online registry.

Recognized in *Who's Who in Medicine and Healthcare*, 4<sup>th</sup> – 8<sup>th</sup> Editions, 2002-2007. Marquis, New Providence, NJ.

Recognized in *Omaha Magazine* as a "Top Doctor of 2006", 2006, Omaha, NE.

Nominated as "International Health Professional of the Year", 2006, International Biographical Center, Cambridge, England.

Recognized as one of *America's Top Doctors*, 2006, 2008, 2009 by Castle Connolly Medical Ltd., Teanuck, NJ.

Recognized in *Outstanding Scientists of the 21<sup>st</sup> Century*, Inaugural Edition. 2006, Great Britain.

Recognized as *Top 100 Health Professionals 2006*, by International Biographical Centre, Cambridge, England.

Selected by peers to be included in *Best Doctors in America 2005-2006*. Best Doctors, Inc., Boston, MA.

Recognized in *Who's Who in America*, 2003-2005. 58<sup>th</sup> – 60<sup>th</sup> Editions. Marquis, New Providence, NJ.

Recognized in *Who's Who in Science and Engineering*, 7<sup>th</sup>-9<sup>th</sup> and 11<sup>th</sup> Editions, 2003-2006 and 2011-2012. Marquis, New Providence, New Jersey.

Recognized in *America's Top Doctors, the Nation's Leading Medical Specialists*. Castle Connolly, 2001-2005.

Nominated as an "International Health Professional of the Year", 2004, International Biographical Centre, Cambridge CB2 3QP England.

Recognized in *Outstanding Scientist of the 21<sup>st</sup> Century*, 2004, International Biographical Centre, Cambridge CB2 3QP, England.

Awarded the American Academy of Otolaryngology – Head and Neck Surgery Distinguished Services Award at the 2004 American Academy of Otolaryngology – Head and Neck Surgery Annual Meeting & OTO EXPO presented on September 19, 2004. New York, NY

Nominated as "International Man of the Year" by the Awards Board of the International Biographical Centre, Cambridge, England. 2003.

Recognized in *One Thousand Great Scientists*, 2003, International Biographical Centre, Cambridge CB2 3QP, England.

Received *21<sup>st</sup> Century Award for Achievement*, International Biographical Centre, Cambridge, England

Recognized in *2000 Eminent Scientists of Today*, 2003, International Biographical Centre, Cambridge, England.

Affirmed as International Scientist of the Year for 2002, July 2002, International Biographical Centre, Cambridge CB2 3QP, England.

Special Professional Achievement Award - 2001, Faculty Honors Convocation, College of Medicine, University of Nebraska Medical Center, Omaha, March 2002.

Recognized in *2000 Outstanding Scientists of the 21<sup>st</sup> Century – First Edition*. The International Biographical Centre of Cambridge, England.

### **HONORS AND AWARDS (continued)**

Recognized in *National Register of Who's Who – Executives & Professionals*, 2002.

"Golden Head Mirror" Award, American Rhinologic Society, June 1997

Included in *The Best Doctors in America*, 1994-97 editions

Honor Award, American Academy of Otolaryngology - Head and Neck Surgery, Sept 1989

### **MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES**

Content Reviewer for Task Force on New Materials, American Board of Otolaryngology, 2002 - 2006

International "Blue Ribbon" Advisory Council, Olfactory Research Fund, Ltd. 1999-2002

Board of Directors, American Rhinologic Society, 1984-1990; 1996-2004

Senior Examiner of the Board, American Board of Otolaryngology, 2001-2006

Maintenance of Certification Committee of the Continuing Education Advisory Committee, American Academy of Otolaryngology – Head and Neck Surgery Foundation, Inc., 2001-2004

Board Examiner, American Board of Otolaryngology, March 1996, April 1997, April 2000, 2001

International Advisory Board, European Rhinologic Society, 2001-2011

American Academy of Allergy, Asthma & Immunology, March 2000 - present

Chairman, DRG Committee, American Academy of Otolaryngology - Head and Neck Surgery, 1986-1990

President, American Rhinologic Society, 1988-1989

American College of Surgeons

American Rhinologic Society 1978, Fellow 1995-Present

American Academy Otolaryngology - Head and Neck Surgery

International Society for the History of Otolaryngology

Association for Chemoreception Sciences

Triologic Society

European Rhinologic Society

Korean Society of Otorhinolaryngology

F1000 Section Head (March 2010-present)

### **GRANT REVIEWER**

Ad hoc reviewer for NIH grant, Communication Disorders Review Committee May 2009

National Institutes of Health, Communication Disorders Review Committee (CDRC) May 2004

National Institutes of Health, Communication Disorders Review Committee (CDRC) June 2003

National Institutes of Health, Communication Disorders Review Committee (CDRC) June 1999

### **COMMITTEE ASSIGNMENTS**

Physician Assistant task force, Univ of Vermont Dept of Surgery, Summer, Fall, Winter 2012-2013

Ear, Nose and Throat Devices Panel of the Medical Devices Advisory Committee of the Food and Drug Administration, Chair, March 2009 to October 31, 2012

Graduate School Committee, Univ of Nebraska  
Sneha Sundaram (PhD) – 2007

Residency Review Committee for Otolaryngology, thru the American Medical Association (AMA) and Accreditation Council for Graduate Medical Education (ACGME), 2003 -2010

Promotion and Tenure Committee, University of Nebraska Medical Center College of Medicine. October 1, 2002 to September 30, 2008.

### **COMMITTEE ASSIGNMENTS(continued)**

American Academy of Otolaryngology - Head and Neck Surgery Foundation Rhinosinusitis Task Force. August 1996.

American Academy of Otolaryngology - Head and Neck Surgery foundation: Clinical Trials Planning Task Force. November 1994 and February 1995

### **ARTICLES PUBLISHED IN SCHOLARLY JOURNALS**

1. Bainbridge KE, Byrd-Clark D, Leopold DA. Factors associated with phantom odor perception among US adults: Findings from the National Health and Nutrition Examination Survey. *JAMA Otolaryngol Head Neck Surg*. Doi:10.1001/jamaoto.2018.1446. epub Aug 16, 2018
2. NAVIGATE II: Randomized, double-blind trial of the exhalation delivery system with fluticasone for nasal polyposis. Leopold DA, Elkayam D, Messina JC, Kosik-Gonzalez C, Djupesland PG, Mahmoud RA. *J Allergy Clin Immunol*. 2019;143(1):126-134.e5. doi: 10.1016/j.jaci.2018.06.010.
3. Shen J, Hur K, Chengyu L, Zhao K, Leopold DA, Wrobel BB. [Determinants and Evaluation of Nasal Airflow Perception](#). *Facial Plast Surg*. 2017 Aug;33(4):372-377. doi: 10.1055/s-0037-1603788. Epub 2017 Jul 28. No abstract available.
4. Hummel T, Whitcroft KL, Andrews P, Altundag A, Cinghi C, Costanzo RM, Damm M, Frasnelli J, Gudziol H, Gupta N, Haehner A, Holbrook E, Hong SC, Hornung D, Huttenbrink KB, Kanel R, Kobayashi M, Konstantinidis I, Landis BN, Leopold DA, Macchi A, Miwa T, Moesges R, Mullol J, Mueller CA, Ottaviano G, Passali GC, Philpott C, Pinto JM, Ramakrishnan VJ, Rombaux P, Roth Y, Schlosser RA, Shu B, Soler G, Stjarne P, Stuck BA, Vodicka J, Welge-Luessen A. Position paper on olfactory dysfunction. *Rhinology*. 2017 Mar, Vol 54, Supp 26,
5. **Soares Nascimento-Sampaio F<sup>1,2</sup>, Dos Santos Leite M<sup>1</sup>, Leopold DA<sup>3</sup>, Guedes Oliva da Silva S<sup>1</sup>, Schwingel PA<sup>4</sup>, Cardeal Mendes CM<sup>5</sup>, Souza-Machado A<sup>1,6</sup>, de Albuquerque Campos R<sup>2</sup>. Influence of upper airway abnormalities on the control of severe asthma: a cross-sectional study.** *Int Forum Allergy Rhinol*. 2015 May;5(5):371-9. doi: 10.1002/alr.21501. Epub 2015 Mar 6.
6. Healy DY, Leopold DA, Gray ST, Holbrook EH. The perforation technique: A modification to the frontal sinus osteoplastic flap. *Laryngoscope* 124: June 2014, 1314-1317; DOI: 10.1002/lary.24460
7. **Leopold DA**, Hornung DE. Olfactory cocainization is not an effective long-term treatment for phantosmia. *Chem Senses*. 2013 Nov;38(9):803-6. Dio: 10.1093/chemse/bjt047. Epub 2013 Oct 11.
8. Hong SC, Holbrook EH, **Leopold DA**, Hummel T, "Distorted olfactory perception: A systemic review" *Acta Oto-Laryngologica*, 2012; 132: S27-S31. (Selected as "top 20" by BioMedLib, NIH)
9. Richardson BE, Vanderwoude EA, Sudan R, **Leopold DA**, Thompson JS, "Gastric Bypass Does Not Influence Olfactory Function in Obese Patients, *Obesity Surgery*, 2012 Feb;22(2):283-6. Doi: 10.1007/s11695-011-0487-x.

10. Rudman, KL, O'Brien, E.K., **Leopold, D.A.**, "Radiographic distribution of drops and sprays within the sinonasal cavities," *American Journal of Rhinology*, Volume 25, Number 2, p. 94-97, March/April 2011.
  11. Leight, W. Derek, **Leopold, D.A.**, "Sphenoid "drill-out" for Chronic Sphenoid Rhinosinusitis", *International Forum of Allergy & Rhinology*. Volume 1, Issue 1, p. 64-69. Jan/Feb 2011
  12. Robey, A.B., O'Brien, E.K., **Leopold, D.A.**, "Assessing Current Technical Limitations in the Small-Hole Endoscopic Approach to the Maxillary Sinus" *American Journal of Rhinology and Allergy*, p. 396-401, 2010 Sept; 24 (5).
  13. Albritton, F.D., IV, Levine, H., Smith, J., Rowe-Jones, J., Zahurullah, F., Armstrong, M., Duplan, D., Gershow, J., **Leopold, D.A.**, Kuhn, F., "Surgeon Radiation Exposure in ESS With Balloon Catheters" *Otolaryngology – Head and Neck Surgery*. Volume 140 (6), p. 834-840. June 2009.
  14. Robey, A.B., O'Brien, E.K., Richardson, B.E., Baker, J.J., Poage, D.P., **Leopold, D.A.**, "The changing face of paranasal sinus fungus balls," *Annals of Otolaryngology, Rhinology & Laryngology*. 118 (7), p. 500-505. July 2009.
  15. Vent, J., Grier, C.G., **Leopold, D.A.**, Heywood, B.M., "Congenital familial bilateral branchial tracts: a rare case," *Ear Nose Throat Journal*. Volume 87 (1), p. 48-50. January 2008.
  16. **Leopold, D.A.**, "Treating Dysosmia, From Saline to Surgery," *Japanese Journal of Rhinology*. Volume 47:1, p. 51-52. 2008.
  17. Sharp, H., Denman, D., Puumala, S., **Leopold, D.A.**, "Treatment for acute and chronic rhinosinusitis in the United States 1999-2002," *Archives of Otolaryngology – Head and Neck Surgery*. Volume 133, p. 260-265. 2007.
  18. **Leopold, D.A.**, "Perception of airflow is more important than actual airflow," *Archives of Otolaryngology – Head and Neck Surgery*. Volume 132:6, p. 597. June, 2006.
  19. Wrobel, B., Bien, A., Holbrook, E., Meyer, G., Bratney, N., Meza, J., **Leopold, D.A.**, "Decreased nasal mucosal sensitivity in older subjects," *American Journal of Rhinology*. Volume 20:3, p. 364-368, May-June 2006.
  20. Holbrook, E.H., **Leopold, D.A.**, "An Updated Review of Clinical Olfaction," *Current Opinion in Otolaryngology*, Nose and Paranasal Sinuses section. 14:23-28. 2006.
  21. Holbrook, E., **Leopold, D.**, Schwob, J., "Abnormalities of Axon Growth in Human Olfactory Mucosa." *The Laryngoscope*. 115 (12), 2144-2154. December 2005
- ARTICLES PUBLISHED IN SCHOLARLY JOURNALS continued**
22. Galer, C., Holbrook, E., Treves, J., **Leopold, D.**, "Grisel's Syndrome: A Case Report and Review of the Literature." *International Journal of Pediatric Otorhinolaryngology*. Vol 69:12, pp 1689-1692. December, 2005.
  23. Wrobel, B., **Leopold, D.A.** "Olfactory and Sensory Attributes of the Nose" *Otolaryngologic Clinics of North America*. 2005, December; 38(6): 1163-1170.

24. Holbrook, E.H., Brown, C.L., Lyden, E.R., **Leopold, D.A.** "Lack of Significant Correlation between Rhinosinusitis Symptoms and Specific Regions of Sinus Computer Tomography Scans" *American Journal of Rhinology*. Volume 19, Number 4. July-August 2005. 382-387.
25. **Leopold, D.A.** "A Protocol for Diagnostic Nasal Endoscopy" *ORL – Head and Neck Nursing*. Volume 23, Number 2. Spring 2005. 19-20
26. Dhanda, D.S., Frey, W.H., **Leopold, D.A.**, Kompella, U.B., "Approaches for Drug Deposition in the Human Olfactory Epithelium." *Drug Delivery Technology*. April 2005; 5(4).
27. Richardson, B.E., Heywood, B.M., Sims, H.S., Stoner, J., **Leopold, DA.**, "**Laryngopharyngeal Reflux: Trends in Diagnostic Interpretation Criteria.**" *Dysphagia*. Fall 2004; 19(4): 248-55.
28. Wrobel, B., **Leopold, D.**, "**Smell and Taste Disorders.**" *Facial Plastic Surgery Clinics of North America*. Volume 12, Number 4. November 2004. 459-468.
29. Vent, J., Robinson, A.M., Gentry-Nielsen, M.J., Conley, D.B., Hallworth, R., **Leopold, D.A.**, Kern, R.C. "Pathology of the Olfactory Epithelium: Smoking and Ethanol Exposure." *The Laryngoscope*. Volume 114:1383-1388. August 2004.
30. Richardson, B.E., Vander Woude, E.A., Sudan, R., Thompson, J.S., **Leopold, D.A.**, "Altered olfactory acuity in the morbidly obese." *Obesity Surgery*. Volume 14(7):967-9. August 2004.
31. Say, P., **Leopold, D.A.**, Cochran, G., Smith, L., Greiner, T. "Resection of the Inferior Superior Turbinate: Does it Affect Olfactory Ability or Contain Olfactory Neuronal Tissue?" *American Journal of Rhinology*. Volume 18 (3): 157-160. May-June 2004.
32. Wrobel, B., **Leopold, D.**, "Clinical Assessment of patients with smell and taste disorders." *Otolaryngic Clinics of North America*. Volume 37: 1127-1142. 2004
33. Benninger, M.S., Hadley, J.A., Osguthorpe, J.D., Marple, B.F., **Leopold, D.A.**, Derebery, M.J., Hannley, M. "Techniques of Intranasal Steroid Use." *Otolaryngology – Head and Neck Surgery*. Volume 130(1):5-24. January 2004.
34. Frasnelli, J., Landis, BN, Heilmann, S., Hauswald, B., Hüttenbrink, K.B., Lacroix, J.S., **Leopold, D.A.**, Hummel, T. "Clinical Presentation of Qualitative Olfactory Dysfunction." *Eur Archives Otorhinolaryngology*. Vol. 261:7, pp 411-5. November, 2003.
35. Snyder, Mary C., **Leopold, Donald**, Chiu, Brian C., VonEssen, Susanna G., Liebenritt, Nicholas. "The Relationship Between Agricultural Environments and Olfactory Dysfunction." *Journal of Agricultural Safety and Health*. Volume 9:3, pp 211-9. 2003

#### **ARTICLES PUBLISHED IN SCHOLARLY JOURNALS continued**

36. Ronnett, G.V., **Leopold, D.A.**, Cai, X., Hoffbuhr, K.C., Moses, L., Hoffman, E.P., Naidu, S.B. "Olfactory Biopsies Demonstrate a Defect in Neuronal Development in Rett's Syndrome." *Annals of Neurology*, Vol 54:2, pp 206-18. August, 2003.



37. Vent, J., Bartels, S., Haynatzki, G., Gentry-Nielsen, M.J., **Leopold, D.A.**, and Hallworth, R. "The Impact of Ethanol and Tobacco Smoke on Intranasal Epithelium in the Rat." *American Journal of Rhinology*. Vol. 17: 4. pp 241-7, July-August, 2003.
38. Frasnelli, J., Landis, B.N., Heilmann, S., Hauswald, B., Hüttenbrink, K.B., Lacroix, J.S., **Leopold, D.A.**, and Hummel, T. 2003. "Qualitative Olfactory Dysfunction." *The Journal of Neurology, Neurosurgery, and Psychiatry*. Submitted May 2003.
39. Holbrook, E.H., **Leopold, D.A.** "Anosmia: Diagnosis and Management." *Current Opinion in Otolaryngology & Head and Neck Surgery*, 2003; 11(1): 54-60. January 2003.
40. **Leopold, D.A.** "Distortion of Olfactory Perception: Diagnosis and Treatment." *Chemical Senses*, Vol. 27, No. 7, pg. 611-615. September 2002.
41. **Leopold, D.A.**, Bartels, S. "Evaluation of Olfaction." *Journal of Otolaryngology*. Vol. 31, Suppl 1, pp 18-23. August, 2002.
42. **Leopold, D.A.**, Loehrl, T.A., and Schwob, J.E. "Long Term Follow-up on Patients with Surgically Treated Phantosmia." *Archives of Otolaryngology – Head and Neck Surgery*, 128:642-7. June 2002.
43. Gigantelli, J.W., Gagnon, M.R., Arthur, J.S., **Leopold, D.A.** "Endoscopic Transethmoidal Decompression of a Thrombosed Orbital Venous Malformation." *Ear, Nose & Throat Journal*, Vol. 81, No. 5, 346-51. May 2002.
44. Marcucci, C., **Leopold, D.A.**, Cullen, M., Zinreich, S.J., and Simon, B.A. "Dynamic Assessment of Paranasal Sinus Ventilation Using Xenon-Enhanced Computed Tomography." *Annals of Otolaryngology Rhino Laryngology*. 2001 October; 110(10):968-75.
45. Hornung, D.E., Smith, D.J., Kurtz, D.B., White, T. **Leopold, D.A.** "Effect of Nasal Dilators on Nasal Structures, Sniffing Strategies and Olfactory Ability." *Rhinology*, Vol. 39, No. 2, 84-7. June 2001.
46. Gagnon, M., Gigantelli, J., Arthur, J., **Leopold, D.** "Endoscopic Transethmoidal Decompression of a Thrombosed Orbital Venous Malformation." Submitted to *Archives of Ophthalmology*. December 2000.
47. Wang, X., Moylan, B., **Leopold, D.A.**, Kim, J., Rubenstein, R.C., Togias, A., Proud, D., Zeitlin, P., Cutting, GR. "Mutation in the Gene Responsible for Cystic Fibrosis and Predisposition to Chronic Rhinosinusitis in the General Population." *The Journal of the American Medical Association*, Vol. 284, No. 14, 1814-1819. October 2000.
48. **Leopold, D.**, "A Perplexing Olfactory Loss." *Archives of Otolaryngology Head and Neck Surgery*. June 2000; 126(6): 803.
49. Loehrl, T.A. and **Leopold, D.A.** "Sphenoethmoidal Mucocele Presenting with Bilateral Visual Compromise." *Annals of Otolaryngology, Rhinology, Laryngology*, 2000 June; 109(6): 608-10.

**ARTICLES PUBLISHED IN SCHOLARLY JOURNALS continued**

50. **Leopold, D.A.**, Hummel, T., Schwob, J.E., Kobal, G., Hong, S.C., and Knecht, M. "Anterior Distribution of Human Olfactory Epithelium." *Laryngoscope*, 110(3 Pt 1):417-21. March 2000.

51. **Leopold, D.A.**, Zinreich, S.J., Simon, B.A., Cullen, M.M., and Marcucci, C. "Xenon-Enhanced Computed Tomography Quantifies Normal Maxillary Sinus Ventilation." *Otolaryngology - Head and Neck Surgery*, 122: 422-424. March 2000.
52. Wein, F.B., Perry, J.D., Miller, N.R., Brinker, D.A., **Leopold, D.A.** "Pulmonary Carcinoid Tumor presenting with Simultaneous Orbital and Intracranial Metastases: Value of Transnasal Endoscopic Orbital Biopsy and Decompression." *Orbit*. 1999, December; 18(4): 267-72.
53. Rhyoo, C., Sanders, S.P., **Leopold, D.A.**, and Proud, D. "Sinus Mucosal Interleukin-8 Gene Expression in Chronic Rhinosinusitis." *Journal of Allergy and Clinical Immunology*, 103(3 Pt 1): 395-400. March 1999.
54. Cullen, M.M. and **Leopold, D.A.** "Disorders of Smell and Taste." *Medical Clinics of North America*. 83(1): 57-74. Jan. 1999.
55. Hornung, D.E. and **Leopold, D.A.** "The Relationship Between Uninasal Anatomy and Uninasal Olfactory Ability." *Archives of Otolaryngology - Head and Neck Surgery*, 125(1): 53-8. Jan. 1999.
56. Smith, D.J., Hornung, D.E., Kurtz, D.B., White, T., and **Leopold, D.A.** "Effect of Nasal Dilators on Olfaction: II Threshold, Intensity and Identification." Submitted to *Rhinology*, Feb. 1998.
57. Cullen, M.M. and **Leopold, D.A.** "Intranasal Frontal Sinusotomy" in "Current Opinion." *Otolaryngology - Head and Neck Surgery*, 6(1): 31-40. Feb. 1998.
58. Hong, S.C., **Leopold, D.A.**, Zinreich, S.J., Oliverio, P.J., Benson, M.L., Mellits, D., and Quaskey, S.A. "Relation Between CT Scan Findings and Human Sense of Smell." *Otolaryngology - Head and Neck Surgery*, 118(2): 183-6. Feb. 1998.
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32. Sod, E.W., Juhlin, K.D., Szeverenyi, N.M., Phipps, R.J., Allison, J.D., **Leopold, D.A.**, and Stafford, C.T. "Quantitative Characterization of Maxillary Sinusitis Using MRI." Society of Magnetic Resonance Imaging meeting, New York, New York. April 1992.
33. Hornung, D.E., **Leopold, D.A.**, Blair, D.C., Clark, E.C., and Youngentob, S.L. "Olfactory Deficits in Patients Infected with the Human Immunodeficiency Virus." *Chemical Senses*, 16(5): 95. 1991.
34. Wright, H.N., Sheehe, P.R. and **Leopold, D.A.** "The Odorant Confusion Matrix as an Aid to Diagnosis." *Chemical Senses*, 16(5): 601. Oct. 1991.
35. Hornung, D.E., **Leopold, D.A.**, Sheehe, P., Youngentob, S., and Mozell, M.M. "The Relationship Between Nasal Anatomy and Uninasal Human Olfaction." Presented at the European Rhinologic Society, including the IXth ISIAN & combined with BSACI & EAFS, London. June 1990.
36. **Leopold, D.A.**, Youngentob, S.L., Schwob, J.E., Hornung, D.E., Mozell, M.M., and Wright, H.N. "Successful Treatment of Phantosmia with Preservation of Olfaction: A Case Report." Presented at the European Rhinologic Society, including the IXth ISIAN & combined with BSACI & EAFS, London. June 1990.
37. Hornung, D.E., **Leopold, D.A.**, Sheehe, P.R., Youngentob, S.L., and Mozell, M.M. "The Relationship Between Nasal Anatomy and Uninasal Human Olfaction." *Chemical Senses*, 15(5): 592. 1990.
38. **Leopold, D.A.**, Youngentob, S.L., Schwob, J.E., Hornung, D.E., Mozell, M.M., and Wright, H.N. "Successful Treatment of Phantosmia with Preservation of Olfaction: A Case Report." *Chemical Senses*, 15(5): 606-07. 1990.
39. Hornung, D.E., **Leopold, D.A.**, Sheehe, P.R., Mozell, M.M., and Youngentob, S.L. "Impact of Left and Right Nostril Olfactory Abilities on Binasal Olfactory Performance." *Chemical Senses*, 14(5): 711. 1989.
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41. **Leopold, D.**, Hornung, D., Mozell, M.M., Youngentob, S., and Petro, G.R. "The Relationship Between Nasal Anatomy and Human Olfaction." *Rhinology*, Vol.26, Suppl. 1:56. Presented at the 12th Congress, European Rhinologic Society, including the 7th ISIAN, Amsterdam. June 1988.

42. **Leopold, D.A.**, Wright, H.N., Mozell, M.M., Youngentob, S.L., Hornung, D.E., Richman, R.A., and Sheehe, P.R. "Clinical Categorization of Olfactory Loss." *Chemical Senses*, 13(4): 708. 1988.

#### **ABSTRACTS AND PRELIMINARY COMMUNICATION (continued)**

43. **Leopold, D.A.**, Hornung, D.E., Mozell, M.M., Youngentob, S.L., Petro, G.R. "The Relationship Between Nasal Anatomy and Human Olfaction." *Chemical Senses*, 12(4): 675. 1987.

44. **Leopold, D.A.**, Hornung, D.E., Richardson, R., Kent, P., Mozell, M., and Youngentob, S. "A Changing Density Technique to Measure Nasal Airflow Patterns." *Chemical Senses*, 11(4): 630. 1986.

45. Youngentob, S.L., Stern, N.M., **Leopold, D.A.**, and Mozell, M.M. "The Effect of Airway Resistance on Perceived Odor Intensity." *Chemical Senses*, 10(3): 412. 1985.

46. Hornung, D.E., **Leopold, D.A.**, Youngentob, S.L., Sheehe, P.R., Mozell, M.M., Thomas, F.D., and Greenberg, J.H. "Airflow Patterns in a Human Nasal Model." *Chemical Senses*, 10(3): 393. 1985.

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#### **LETTERS AND SHORT COMMENTS**

1. **Leopold, D.A.** "Q. I sometimes think I smell smoke, but others tell me I'm imagining it", Bottom line Health newsletter, Dec 2012

2. **Leopold, D.A.** "All That Runs Green Is Not Infection." *Consultant*. July 2005; 45(8): 839.

3. **Leopold, D.A.** "Unlocking the Basic Transduction and Genetic Aspects of Olfaction." *Archives of Otolaryngology - Head and Neck Surgery*. April 2000; 126(4): 557

4. **Leopold, D.A.** "Treatment of Sinus Disease." *Consultations in Primary Care*, 35(11): 1606. Nov. 1995.

5. **Leopold, D.A.** "New Technique for the Sterile Introduction of Flexible Nasopharyngoscopes." *Annals of Otolaryngology, Rhinology and Laryngology*, 103(3): 248. March 1994.

6. Loury, M.C., **Leopold, D.A.** and Schaefer, S.D. "Allergic Aspergillus Sinusitis." *Archives of Otolaryngology - Head Neck Surgery*, 119(9): 1042-3. Sept. 1993.

#### **OTHER PUBLICATIONS**

Wysong, P. "Current Controversies in Rhinologic Surgery." *ENT Today*. July 2008; 14-16.  
Quoted as expert.

Kreimer S. "In poor taste" in *ENT Today*, April 2013, 26-28. Quoted

#### **EDUCATION MATERIALS**

1. Bolger, W.E., Kaliner, M.A., **Leopold, D.A.**, Rachelefsky, G.A., White, M.V., Winther, B., and Zinreich, S.J. February 1995. "Chronic Sinusitis: Proceedings of A Roundtable October 16, 1994." *Scienta Healthcare Education*.

2. Section 3 - Trauma. In The Home Study Course in Otolaryngology - Head and Neck Surgery by American Academy of Otolaryngology - Head and Neck Surgery Foundation, Inc.
3. Al Katz, et al. 1991. Objective Rhinologic Assessment. Instructional Course by American Academy of Otolaryngology - Head and Neck Surgery Foundation, Inc.

### **EDUCATION MATERIALS continued**

4. Section 3 - Trauma. In The Home Study Course in Otolaryngology - Head and Neck Surgery by American Academy of Otolaryngology - Head and Neck Surgery Foundation, Inc.
5. Section 3 - Trauma. In The Home Study Course in Otolaryngology - Head and Neck Surgery by American Academy of Otolaryngology - Head and Neck Surgery Foundation, Inc.

### **BOOK & MANUSCRIPT REVIEWS**

1. Distorted olfactory perception: a systematic review by Seok-Chan H, Holbrook, EH, Leopold, DA, Hummell, T.
2. Lasers in Plastic Surgery and Dermatology by Achauer, B.M., Vander Kam, V.M. and Berns, M.W. 1992. New York, New York: Thieme. Reviewed in *American Journal of Otolaryngology*, Vol. 14, No 2 (March-April), 1993: 141-142.
3. Taste and Smell Disorders (Rhinology and Sinusology Series), by Seiden, A.M. 1997. New York, New York: Thieme. ISBN 0-86577-533. 215 pp. Reviewed in *International Journal of Pediatric Otorhinology*, 45 1988: 275-6.
4. "The Importance of Good Outcomes Data in Studies of Nasal and Sinus Surgery." A commentary on: Rhinoplasty and Endoscopic Surgery for Functional and Inflammatory Nasal/Sinus Disorders by Mazzola, M.D. and Felisati, M.D. Reviewed in *Archives of Facial Plastic Surgery*. Nov-Dec 2005;7(6): 423.

### **THE OTOLARYNGOLOGY JOURNAL CLUB JOURNAL - COMMENTARY**

1. Manning, S.C., Mabry, R.L., Schaefer, S.D., and Close, L.G. 1993. "Evidence of IgE-Mediated Hypersensitivity in Allergic Fungal Sinusitis." *Laryngoscope*, 103: 717-721.
2. King, J.M, et al. 1994. "A Review of Revision Functional Endoscopic Sinus Surgery." Vol. 1, No. 5: 286-287.
3. Burns, J.A., Dodson, E.E. and Gross, C.W. 1996. "Transnasal Endoscopic Repair of Cranionasal Fistulae: A Refined Technique With Long-Term Follow-Up." *Laryngoscope*, 106: 1080-3.
4. Lanza, D.C., O'Brien, D.A., and Kennedy, D.W. 1996. "Endoscopic Repair of Cerebrospinal Fluid Fistulae and Encephaloceles." *Laryngoscope*, 106: 1119-25.

5. Sciales, W.J. 2005. "All That Runs Green Is Not Infection" *Consultant*, Vol. 45 (8): 839.

## **RADIO**

1. "Sense of smell problems" thru Fletcher Allen Public relations, on Burlington VT radio and TV stations Apr-June 2012
2. "Rhinosinusitis", on Johns Hopkins Health News Feed - #405. December 20, 1996.
3. "Community Health Line", KIOS-FM, Public Broadcasting, Omaha, NE., September 1, 1999.

## **WEBINARS**

"Olfactory disorders" with **Donald Leopold**, Erin O'Brien and Eric Weitzel, 14 March 2013, as part of American Rhinologic Society resident education sessions.

## **AUDIOTAPES**

1. **Leopold, D.A.** "Management of Laryngeal Trauma: A Review." *Audio Digest Foundation*. Otolaryngology - Head and Neck Surgery 18(18). September 26, 1985.
2. **Leopold, D.A.** "Epistaxis in Children." *Audio Digest Foundation*. Otolaryngology - Head and Neck Surgery 19 (1). January 16, 1986.
3. **Leopold, D.A.** "Nasal Polyps." *Audio Digest Foundation*. Otolaryngology - Head and Neck Surgery 26 (13). July 15, 1993.
4. **Leopold, D.A.** "Otologic, Olfactory, and Sleep Consequences of Sinusitis." *Audio Digest Foundation*. Otolaryngology - Head and Neck Surgery 17 (04). February 24, 1994.
5. **Leopold, D.A.** "Nasal Physiology and Symptoms." *Audio Digest Foundation*. Otolaryngology - Head and Neck Surgery 30(20). October 15, 1997.
6. **Leopold, D.A.** "Indications for Sinus Surgery in the Patient with Minimal Radiographic Abnormalities." *Audio Digest Foundation*. Otolaryngology - Head and Neck Surgery. April 4, 2003

## **VIDEOTAPES/VIDEO PROGRAMMING**

1. Creticos, P.S., **Leopold, D.A.**, Slavin, R.G. and Stoloff, S.W. 1995. "Contemporary Management of Acute and Chronic Sinusitis." Dannemiller Memorial Education Foundation.
2. **Leopold, D. A.**, Mini Medical School Presentation on "Sinuses, Smell, Taste." October, 2002, University of Nebraska Medical Center, Audiovisual Productions.
3. **Leopold, D.A.**, Consultant to and Participant in one hour program on Olfaction, "The Nature of Things", Canadian Broadcasting Corporation (CBC). January 2008.

## **INTERNET INFORMATION & PUBLISHING**

1. Barnes CA, Leopold D, Gigantelli JW. Optic Nerve Decompression for Traumatic Optic Neuropathy. Medscape Reference. Updated December 18, 2013. Available at: <http://emedicine.medscape.com/article/868252-overview>.
2. Leight, Derek; **Leopold, Donald**, "Sphenoid "drill-out" for chronic sphenoid rhinosinusitis." ScholarOne Manuscripts online, July 2010 (with full consideration for publication in Allergy & Rhinology)
3. **Leopold, D.A**, Holbrook, E.H. and Noell, C.A. "Disorders of Taste and Smell." eMedicine, 2006 (with updates 2009)
4. Siegel, M, Gigantelli, J.W. and **Leopold, D.A**. 2006. "Orbital Decompression for Traumatic Optic Neuropathy." eMedicine 2006 (Revision with additional authors March 2008)

## **INTERNET INFORMATION & PUBLISHING continued**

5. **Leopold, D.A**. "Is That Sneeze Really a Cold? OnPointCase (<http://www.pointcast.com>). Beginning January 19, 1999.
6. Leopold, D.A, Gigantelli, J.W, and Siegel, M. "Optic Nerve Decompression for Traumatic Optic Neuropathy." eMedicine, 1998 (with updates 2009)

## **POSTER PRESENTATIONS**

1. **Leopold Donald**, Massena John, Carothers Jennifer, Djupesland Per, Mahmoud Ramy. Exhalation delivery system with Fluticasone (EDS-FLU) for chronic rhinosinusitis (CRS): Integrated NAVIGATE-I and NAVIGATE-II results. Presented at Annual meeting of American Academy of Otolaryngology-Head and Neck Surgery, 10-13 September 2017, Chicago IL. *Won Gold Ribbon in Rhinology/Allergy category*
2. Bainbridge, Kathleen E, **Leopold, Donald A**, Byrd-Clark, Danita, Li, Chuan-Ming, Cowie, Catherine C. "Diabetes and Olfaction", presented at Assn for Chemosensory Sciences (AChemS) 39<sup>th</sup> annual meeting, Bonita Springs FL, 26-29 April 2017
  - 3 **Leopold, Donald A**, Elkayam, David, Messina, John, Kosik-Gonzalez, Colette, Djupesland Per, Mahmoud, Ramy. "Navigate II: A randomized double-blind trial of fluticasone propionate exhalation delivery system (FLU-EDS) for treatment of chronic rhinosinusitis (CRS) with nasal polyps (Nasal polyposis)". American Rhinologic Society 62<sup>nd</sup> annual meeting, San Diego CA, 16-17 September 2016
  - 4 **Leopold Donald**; Park, Clare; Bharmal, Murtaza; Nickerson, Joshua; Watts, Richard; Cardoso, Bruno; Hornung, David; "Reduced caudate connectivity in phantosmia patients using resting state fMRI". Association for Chemoreception Sciences 38<sup>th</sup> annual meeting, Bonita Springs FL, 20-23 April 2016
1. Johnson, Katherine I, Leight, William D., Wood, Joshua, W, **Leopold, Donald A**. "Evaluation of Keros Score in Patients with Congenital Anosmia", presented at The Triological Society, 114<sup>th</sup> Annual Meeting, Chicago, IL, April 2011

2. Zhao, Kai, Hornung, David E, **Leopold, Donald A** "The Relationship between Nasal Airflow and Olfactory Perception", presented at ACHEMS Annual Meeting, St. Pete Beach, FL, April 2011
3. **Leopold, Donald A**, Hornung, David E "Cocainization of Olfactory Epithelium Gives Short but Not Long Term Relief of Pantosmia" presented at ACHEMS Annual Meeting, St. Pete Beach, FL, April 2011
4. Allis, Terah J, Quinlan, Trent W., **Leopold, Donald A.**"Image Guidance Improves Treatment of Pediatric Deep Neck Space Abscesses," Presented at Triologic Society Combined Sections Meeting, Scottsdale, AZ Jan 27-29, 2011
5. Liden, M.L.I – Leight, W.D – White, M.L – **Leopold, D.A** – Helvey, J.T – Smith, R.B – Ramachandran, J.J – Omojola, M.F., "CT Surgical Anatomy of Paranasal Sinuses for Functional Endoscopic Sinus Surgery (FESS); Pre and Post Operative Findings," Presented at American Society of NeuroRadiology 48<sup>th</sup> annual meeting. May 2010; Submitted to ASHNR, Houston, TX, October 2010
6. Robey, A.B., O'Brien, E.K., Richardson, B.E., Baker, J.J., Poage, D.P., **Leopold, D.A.**, "The Changing Face of Paranasal Sinus Fungus Balls," Presented at American Rhinologic Society Meeting, Chicago, Illinois. September 2008.
7. Holbrook, E.H., **Leopold, D.A.**, Schwob, J.E. "A Description of Axonal Abnormalities Observed in Human Olfactory Epithelium." Presented at the AChemS 25<sup>th</sup> Annual Meeting. Sarasota, Florida. April 9-13, 2003.
8. Lyng, G.D., Hornung, D.E., **Leopold, D.A.**, Irwin, S.B., Vent, J. "The Long Term Effect of Nasal Dilators on Nasal Anatomy and Olfactory Ability." Presented at the AChemS 25<sup>th</sup> Annual Meeting. Sarasota, Florida. April 9-13, 2003.
9. Vent, J., Irwin, S., Haynatzki, G., Gentry-Nielsen, M.J., **Leopold, D.A.**, Hallworth, R. "The Impact of Ethanol and Tobacco Smoke on Intranasal Epithelium in the Rat." Presented at the AChemS 25<sup>th</sup> Annual Meeting. Sarasota, Florida. April 9-13, 2003.
10. **Leopold, D.A.**, Von Essen, S., Snyder, M., Sisson, J., Snyder, M., Kammandel, R. "Nasal and Olfactory Function in Hog Confinement Workers." Presented at the 13th International Symposium on Olfaction and Taste and the 14th European Chemoreception Research Organization Congress. Brighton, England. July 20-24, 2000.

#### **POSTER PRESENTATIONS continued**

11. Hong, S.C., **Leopold, D.A.**, Zeinreich, S.J., Oliverio, P.J., Benson, M.L., Mellits, E.D., and Quaskey, S.A. "Relationship Between CT Scan Findings and Sense of Smell." Presented at AChemS XVII, the 17th Annual Meeting of the Association for Chemoreception Science. Sarasota, Florida. April 1995.
12. Hornung, D.E., **Leopold, D.A.**, Blair, D.C., Clark, E.C., and Youngentob, S.L. "Olfactory Deficits in Patients Infected with the Human Immunodeficiency Virus." Presented at AChemS XIII, the Thirteenth Annual Meeting of the Association for Chemoreception Sciences. Sarasota, Florida. April 1991
13. **Leopold, D.A.**, Hornung, D.E., Richardson, R.L., Kent, P.F., Mozell, M.M., and Youngentob, S.L. "A Changing Density Technique to Measure Nasal Airflow Patterns." Presented at the IX International Symposium on Olfaction and Taste and the 8th Annual Meeting of the Association for Chemoreception Sciences. Snowmass Village, Colorado. July 20-24, 1986.

14. **Leopold, D.A.** and Clutter, D.J. "Benign Osteoblastoma: Report of a Case and Review of the Literature." Presented at American Academy of Otolaryngology - Head and Neck Surgery Annual Meeting. New Orleans, Louisiana. October 18-20, 1982.
15. **Leopold, D.A.**, Kellman, R.M., Rabuzzi, D.D., and Gould, L.V. "Mandibular Cysts Presenting as Facial Cellulitis." Presented at Combined Societies for Head and Neck Surgery meeting. Phoenix, Arizona. March 8-11, 1981.

### **FACULTY AT COURSES/INVITED LECTURES**

- North American Masterclass in Endoscopic Sinus Surgery, 15-17 Sept 2017, Montreal QC
- North American Endoscopic Management of Vascular Injuries Workshop, 14 Sept 2017, Montreal QC
- American Rhinologic Society annual meeting, 8-9 Sept 2017, Chicago IL
- American Acad of Otolaryngology-Head and Neck Surgery annual meeting, 10-13 Sept 2017, Chicago IL
- 62nd American Rhinologic Society annual meeting, 16-17 Sept 2016, San Diego CA
- American Academy of Otolaryngology annual meeting, 18-21 Sept 2016, San Diego CA
- American Rhinologic Society Summer Sinus Symposium invited speaker, 14-17 July 2016, Chicago IL
- EndoChicago – 7th World Congress for Endoscopic Surgery of the Skull Base and Brain, invited speaker, 15-18 May 2016, Chicago IL
- Association for Chemoreception Sciences 38th annual meeting, 20-23 April 2016, Bonita Springs FL
- 61st American Rhinologic Society annual meeting, 24-25 Sept 2015, Dallas TX
- American Academy of Otolaryngology annual meeting, 27-30 Sept 2015, Dallas TX
- Invited speaker, Cedars Sinai Medical Center, Los Angeles, 15 January 2015
- 2014 Vermont Otolaryngology Society (VOS) meeting, Manchester VT, Oct 2014
- Dartmouth University Autumn in New England Otolaryngology Update invited speaker, Lake Morey, VT, October 2014
- Amer Acad of Otolaryngology-Head and Neck Surgery Foundation annual meeting, Orlando FL, Sept 2014
- 60th Annual American Rhinologic Society meeting, Orlando FL, Sept 2014
- 25th Congress of European Rhinologic Society & 32nd International Symposium of Infection and Allergy of the Nose, Amsterdam, The Netherlands, 22-26 June 2014
- Invited guest to McGill Univ Resident Research and Graduation events, gave memorial lecture, May 2014, Montreal CA
- The Assoc Chemoreception Sciences 36th annual meeting, Bonita Springs, FL, April 2014, 2015, 2016



The USC Advanced Endoscopic Sinus Surgery and Skull Base Surgery courses, Los Angeles, CA, Feb 2014

Surgical Approaches to the Skull Base, Univ of Vermont, January 2013, 2014, 2015, 2016, 2017 Burlington VT

Oregon Academy of Otolaryngology-Head and Neck Surgery, 1 Nov 2013, Portland OR

American Rhinologic Society annual meeting, 27 Sept 2013, Vancouver BC

American Academy of Otolaryngology annual meeting, 28 Sept – 3 Oct 2013, Vancouver BC

Invited speaker, North American Masterclass in Endoscopic Sinus Surgery June 2013, Sept 2015

A tribute and Festschrift conference for Eiji Yanagasawa, MD, Connecticut, May 2013

The Assoc Chemoreception Sciences 35th annual meeting, Huntington Beach CA, 17-20 April 2013.

New England Otolaryngology Society, Taste and Smell - Dysgeusia? Anosmia? What Next? My talk on “Cleaning the air: can we treat Anosmia”, Boston, MA April 5, 2013

New England Otolaryngology Society, Panel discussion on Headache, Boston MA  
5 Oct 2012

Open Forum meeting, New York City, NY  
26-28 July 2012

16th International Symposium on Olfaction and Taste, Stockholm, Sweden  
23-27 June 2012

24th Congress of the European Rhinologic Society and 31st International Symposium of Infection & Allergy of the Nose, Toulouse France  
17-21 June 2012

HealthSource Community Education Series, Olfactory loss and Distortion – What can be done ? Univ of Vermont, Burlington VT  
23 May 2012

EndoVienna Endoscopic Surgery of and Brain, Skull Base and Spine and FESS, The Sinuses & the Nose, Vienna, Austria  
29 March – 1 April 2012

McGill University Update in Otolaryngology meeting, Mont Tremblant, QC, Canada  
9-11 March 2012

The USC Advanced Endoscopic Sinus Surgery and Skull Base Surgery courses, Los Angeles, CA  
23-26 Feb 2012

VT Surgical Dept Retreat, Stowe VT  
Jan 2012

Combined Otolaryngology Spring Meetings  
Chicago, IL  
April 2011

American Academy Ashtma, Allergy and Immunology (AAAAI), workshop on nasal medications  
18-22 Mar 2011

Triological Society Combined Section Meetings, Scottsdale, AZ	27-29 Jan 2011
SUO-AADO meeting, Scottsdale, AZ	12-14 Nov 2010
American Academy of Otolaryngology-Head and Neck Annual Fall Meeting. 1) Modified Lothrop course, 2) Olfaction course, Boston, MA, San Francisco, Wash DC	Sept 2010, 2011, 2012
Sinus Forum meeting, moderate panel on "Situational decision making in surgery", New York City	16-17 July 2010
Invited speaker for European Rhinologic Society and International Society of Infection and Allergy of the Nose meetings. 1) Workshop on Evoked Olfactory Potentials, 2) Moderator of Olfactory Research panel, 3) Moderator of balloon sinus dilation session, 4) talk on Skull base shape in congenital anosmics, 5) talk on Treatment for olfactory distortion. Geneva, Switzerland	20-24 June 2010
Invited special guest for SMORL-CCC (Mexican Otolaryngology Society Annual Meeting). 1) Live endoscopic cadaver sinus surgery demonstration, 2) Evaluation of olfactory dysfunction, 3) Roundtable discussion on sinonasal polyps, 4) Inverted Papilloma, Acapulco, Mexico	30 April – 5 May 2010
"Sphenoid drill-out procedure", presented at Am Rhinologic Soc section of the Combined Otolaryngological Spring Meetings	29 April 2010
<b><u>FACULTY AT COURSES/INVITED LECTURES (continued)</u></b>	
Association of Chemoreception Sciences meeting attended, St Petersburg FL (update p.22)	21-25 Apr 2010
"Endoscopic repair of choanal atresia", invited talk at Late Winter Symposium	13-15 Mar 2010
Sectional Triologic Society Meetings, Orlando FL	4-7 Feb 2010
"Rhinosinusitis", invited talk at Creighton University Department of Allergy and Immunology	11 Dec 2009
Society of University Otolaryngologists and Academic Association of Departments of Otolaryngology Annual Meeting, Washington, DC	November 2009
American Academy of Otolaryngology – Head & Neck Surgery Annual Meeting, Modified Lothrop course, San Diego, CA	October 2009
Invited Speaker and Moderator, Sinus Forum, Washington, DC	July 2009
Invited Speaker, American Academy of Asthma, Allergy and Immunology, Washington, DC	March 2009
Rhinology World International Conference session on Olfaction Philadelphia, PA	March 2009
Istanbul Master Class FESS Course (8 lectures) (Live Demo Surgery) Istanbul, Turkey	April 2009
UNMC Sinus Dissection Course Omaha, NE	March 2009
Basic Science Lectures on Rhinosinusitis to Otolaryngology Residents, University Of Nebraska Medical Center, Omaha, NE	
American Assistant Asthma Allergy and Immunology Annual Meeting	March 2009

“Headache, A Sinus Problem Or Something Else” Washington DC  
 Visiting Professor, University of Iowa (Gave Two Talks) Iowa City, IA January 2009  
 Eastern Section Triologic Society Boston MA January 2009  
 Middle Section Triologic Society Bonita Springs FL January 2009  
 Invited Speaker- San Diego Academy of Otolaryngology November 2008  
 Society of University Otolaryngologists Academic Association of  
 Departments of Otolaryngologists Annual Meeting Chicago IL October 2008  
 Science Theaters Connection Day Chemosensory Tests Omaha NE October 2008  
 Invited Faculty- The Nose Inside and Out 7 Lectures, Cadaver Labs  
 Charlottesville, VA October 2008  
 American Academy Otolaryngology- Head and Neck Surgery Annual Meeting  
 “Understanding Olfactory Disorders Chicago IL September 2008

**FACULTY AT COURSES/INVITED LECTURES (continued)**

American Academy Otolaryngology- Head and Neck Annual Meeting  
 “Modified Lothrop” Course Chicago IL September 2008  
 Invited Speaker- Sinus Forum “Reason for using Balloon Catheter Dilation”  
 Chicago IL July 2008  
 European Rhinology Society “Phantosmia- State of the Art Crete, Greece June 2008  
 European Rhinology Society “Olfactory Disorders  
 Assessment and Management up to date” Crete Greece June 2008  
 Invited Speaker for Graduation Event, Department of Otolaryngology –  
 Head & Neck Surgery at University of California at San Francisco, CA  
 San Francisco, CA June 2008  
 Invited Speaker - European Rhinologic Society 22nd Meeting, Crete, Greece June 2008  
 American Rhinology Society spring meeting, Session in Frontal Sinus Surgery  
 Modified Lothrop Talk, Orlando, FL May 2008  
 Invited Lecturer – University of Nebraska Family Medicine’s Annual Second Teaching Day  
 Omaha, NE February 2007-2009  
 Invited Speaker at Grand Rounds, Creighton University Allergy Division  
 Omaha, NE Biannually Spring and Fall 2006-2009  
 Rhinology speaker, Annual University of Nebraska Family Practice Review Course  
 Omaha, NE Spring 2001 - 2009

American Rhinologic Society Spring Meeting	Annually 1977 – 2009
Combined Otolaryngology Spring Meetings Orlando, FL	April 2008
Invited Speaker, American Academy of Asthma, Allergy and Immunology Philadelphia, PA	March 2008
Annual Otolaryngology Late Winter Symposium, Faculty Cooper Mountain and Silverthorne, CO	March 2000 - 2010
American Rhinologic Society spring meeting, Session in Frontal Sinus Surgery Modified Lothrop Talk, Orlando, FL	May 2008
Invited Lecturer – University of Nebraska Family Medicine’s Annual Second Teaching Day Omaha, NE	February 2007-2009
Invited Speaker at Grand Rounds, Creighton University Allergy Division Omaha, NE	Biannually Spring and Fall 2006-2009
<b><u>FACULTY AT COURSES/INVITED LECTURES (continued)</u></b>	
Rhinology speaker, Annual University of Nebraska Family Practice Review Course Omaha, NE	Spring 2001 - 2009
American Rhinologic Society Spring Meeting	Annually 1977 – 2009
Combined Otolaryngology Spring Meetings Orlando, FL	April 2008
Invited Speaker, American Academy of Asthma, Allergy and Immunology Philadelphia, PA	March 2008
Annual Otolaryngology Late Winter Symposium, Faculty Cooper Mountain and Silverthorne, CO	March 2000 - 2010
Invited Speaker, Otolaryngology Update Phoenix, AZ	February 2008
Invited Speaker, Advanced Endoscopic Sinus Surgery Course Los Angeles, CA	January 2008
Association of Chemoreception Sciences Annual Meeting Sarasota, FL St. Petersburg Beach, FL	Annually 1988-2009 Annually 2010-2011
Annual M2 Lecture on Rhinosinusitis Omaha, NE	December 2009
SUO/AADO Meeting Washington DC	November 2007

Rhinosinusitis Lecture to M2 Medical Students, University of Nebraska Medical Center Omaha, NE	November 2004-2007
American Rhinologic Society Fall Meeting	Annually 1976 – 2011
American Academy Otolaryngology - Head & Neck Surgery, National fall meeting	Annually 1976 – 2009
Invited Speaker, St. Lawrence University Five talks included Canton, NY	October 2007
Invited Speaker, Medicine and Infectious Disease Department, Upstate Medical University Two talks included Medicine Grand Rounds Syracuse, NY	October 2007

**FACULTY AT COURSES/INVITED LECTURES (continued)**

Invited Speaker, Japan Rhinologic Society Two major talks One course on Sinus Surgery Utsunomiya and Kyoto, Japan	September 2007
Invited Speaker – “Olfaction Issues” Creighton University Medical Center, Allergy Division, Omaha, NE	August 2007
Invited Speaker, Practical Applications for Sinus Management Chicago, IL	July 2007
Talk at UNMC Infectious Disease Division on Treatment of Rhinosinusitis Omaha, NE	June 2007
Invited talk on Sinonasal Physiology Dresden, Germany	June 2007
Combined Otolaryngology Spring Meetings San Diego, CA	April 2007
Middle East Update in Otolaryngology Conference Dubai, UAE	March 2007
Invited Speaker, American Academy of Asthma, Allergy and Immunology San Diego, CA	February 2007
Triologic Middle Section Meeting Marco Island, Florida	February 2007

Invited Speaker, Creighton University Allergy Division, "Sinonasal Embryology, Anatomy and Physiology"	Omaha, Nebraska	February 2007
Invited Speaker, Society of Otolaryngologists and Association of Academic Departments in Otolaryngology	Chicago, IL	October 2006
Speaker, ENT Update 2006	Sarasota, FL	September 2006
Invited Speaker, Fifth Annual Lectureship in Otolaryngology and Resident Graduation	Jackson, MS	June 2006
Invited Speaker and Panel Moderator, European Rhinologic Society and International Society for Infection and Allergy of the Nose	Tampere, Finland	June 2006
Combined Otolaryngology Spring Meeting	Chicago, IL	May, 2006

**FACULTY AT COURSES/INVITED LECTURES (continued)**

Invited Grand Rounds Speaker, Johns Hopkins Medical Center	Baltimore, MD	May, 2006
Invited Speaker, Seminar to Physiology and Psychiatry Departments on Chemosensory Disorders	Gainesville, FL	February 2006
Invited Speaker, Grand Rounds Talk on Olfactory Disorders, University of Florida ENT Department	Gainesville, FL	February 2006
The USC Advanced Endoscopic Sinus Surgery Course	Los Angeles, CA	January 2006
West Virginia Academy of Otolaryngology, 23 <sup>rd</sup> National Annual Meeting	White Sulphur Springs, WV	November 2005
International Rhinologic Society 11 <sup>th</sup> Congress	Sydney, Australia	October 2005
Distinguished Guest Faculty, Mayo School of Continuing Medical Education, "Rhinofest 2005"	Rochester, MN	August 2005
International Federation of Otolaryngological Societies, XVIII World Congress	Rome, Italy	June 2005
Guest Lecturer, Grand Rounds, Jefferson Medical College	Philadelphia, PA	June 2005
Combined Otolaryngology Spring Meetings		

Boca Raton, FL	May 2005
NIH/NIDCD Conference on Epidemiology of Communication Disorders, Bethesda, MD	March 2005
Invited Speaker on "Mucosal Presentation" Osaka, Tokyo, Japan	January 2005
Grand Rounds on Frontal Sinus Fractures, University of Nebraska Medical Center Omaha, NE	November 2004
Society of University Otolaryngologists/ Association Academic Departments in Otolaryngology Annual Meeting Las Vegas, NV	November 2004
Invited Speaker, Oregon Health Science University Portland, OR	October 2004
Invited Speaker, ERS/ISIAN meeting Istanbul, Turkey	June 2004

**FACULTY AT COURSES/INVITED LECTURES (continued)**

Invited Keynote Speaker, Australian Society Otolaryngology –Head & Neck Surgery Annual Meeting Australia	March 2004
Invited Speaker, Monell Chemosensory Institute Philadelphia, PA	February 2004
Invited Speaker, Surgery demonstration at The Academisch Medisch Centrum Amsterdam, The Netherlands	February 2004
Middle and Southern Section, Triological Society Meeting Marco Island, FL	January 2004
Presentation on Nasal Sinus Surgery to the Omaha Chapter of the Professional Coders Association Omaha, NE	November 18 2003
American Rhinologic Society ad hoc Meeting on Fellowships New York City, NY	December 6, 2003
Society of University Otolaryngologists / Academic Departments of Otolaryngology Annual Meeting Washington, D.C.	November 2003
Johns Hopkins Academic Program Baltimore, MD	October 2003
University of Iowa Academic Program, Presenter Iowa City, IA	October 2003
American Rhinological Society Annual Meeting Orlando, FL	September 2003

American Academy of Otolaryngology – Head & Neck Surgery Orlando, FL	September 2003
Faculty, International Sinus Surgery Course Brussels/Cologne, Germany	August 2003
Invited Speaker, Pacific Coast Oto-Ophthalmological Society San Diego, CA	June 20 -24, 2003
NIH (NIDCD) ad hoc Review Panel to review Chemo Sensory Grant Washington, D.C.	June 11, 2003
American Academy of Otolaryngology – Head & Neck Surgery Consensus Meeting on Topical Nasal Steroids Washington, D.C.	June 2003



## **FACULTY AT COURSES/INVITED LECTURES (continued)**

Powered Dissection Course in Advanced Endoscopic Sinus Surgery Memphis, TN	Annually May 1997 –2003
Presentation on Nasal Physiology at University of Nebraska Medical Center Omaha, NE	May 2003
Combined Otolaryngology Spring Meetings Nashville, TN	May 2003
Invited Course: Endoscopic Surgery of the Eustachian Tube Boston, MA	April 2003
Invited Speaker, New England Otolaryngology Society Boston, MA	April 2003
Powered Dissection Course in Advanced Endoscopic Sinus Surgery Memphis, TN	March 2003
Invited Speaker, Birmingham Otolaryngology Academy Birmingham, AL	February 10, 2003
Middle Section Triological Society Meeting Indianapolis, IN	January 17-19, 2003
Invitational Chronic Rhinosinusitis Experts International Brainstorming Session Neustift im Stubaital, Tirol, Austria	January 2003
Society of University Otolaryngologists/Association of Academic Departments of Otolaryngology Scottsdale, AZ	October 25-27, 2002
Mini Medical School - What's A-Head? "The Nose Knows," University of Nebraska Medical Center, Omaha, NE	October 2002
American Rhinological Society, American Academy of Otolaryngology – Head and Neck Surgery Annual Meetings San Diego, CA	September 20-26, 2002
Faculty, International Sinus Surgery Course Brussels/Cologne, Germany	August 2002
First Annual Visiting Lectureship in Rhinology sponsored by the Department of Otolaryngology, University of Colorado Health Sciences Center, Denver, CO	August 15, 2002
University of Wisconsin Summer Update in Otolaryngology Beaver Creek, CO	July 26 – August 1, 2002
ISIAN/European Rhinologic Society Meeting Ulm, Germany	June 15-21, 2002
Combined Otolaryngology Spring Meetings Boca Raton, FL	May 2002

## **FACULTY AT COURSES/INVITED LECTURES (continued)**

Lecturer, Association of Chemoreception Sciences Sarasota, FL	April 24-28, 2002
Guest speaker, Los Angeles (CA) Society of Otolaryngology – Head and Neck Surgery Los Angeles, CA	March 2002
Course director, Reconstruction and Functional Nasal and Sinus Surgery, Mafraq Hospital Abu Dhabi, UAE	March 6-17, 2002
Powered Dissection Course in Advanced Endoscopic Sinus Surgery Memphis, TN	March 2002
Course director, Nebraska Endoscopic Sinus Surgery Course Omaha, NE	February 2001, 2002
Course director, 2 <sup>nd</sup> Annual Nebraska Endoscopic Surgery Courses Omaha, NE	February 2002
Society of University Otolaryngologists and Academic Departments of Otolaryngology – Head and Neck Surgery Meeting Washington, D.C.	November 2001
“How Scientific Studies of Nasal and Sinus Function Can Influence Therapy,” Grand Rounds, ENT Department, Northwestern University Chicago, IL	Oct. 25, 2001
“Modified Lothrop Procedure,” American Academy of Otolaryngology – Head and Neck Surgery Annual Mtgs Denver, CO	September 2001
American Rhinologic Society Annual Meeting Denver, CO	September 2001
“Rhinosinusitis and Olfactory Perception circa 2001” Medical Society Columbus, NE	August 28, 2001
Western States Rhinology Course Palm Springs, CA	May 2001
Combined Otolaryngology Spring Meetings Palm Desert, CA	May 2001
Lecturer, AchemS Annual Meeting Sarasota, FL	April 25-29, 2001
Guest speaker, Iowa Academy of Otolaryngology Des Moines, IA	April 21, 2001
Powered Dissection Course in Advanced Endoscopic Sinus Surgery Memphis, TN	March 2001
Faculty, Current Concepts in Endoscopic Sinus Surgery, Emory University School of Medicine Atlanta, GA	March 14-17, 2001

## **FACULTY AT COURSES/INVITED LECTURES (continued)**

Guest faculty, Milwaukee Society of Head and Neck Medicine and Surgery Meeting: "Evaluation and Treatment of Olfactory Disease"	Milwaukee, Wisconsin	February 2001
"How Scientific Studies of Nasal and Sinus Function Can Influence Therapy."	Roe Auditorium, Froedtert Hospital West Milwaukee, Wisconsin	February 2001
Panel chair, "Sinus Disease."	Middle Section Triologic Meeting. Chicago, Illinois	January 19-21, 2000
Guest faculty, Advanced Endoscopic Sinus Surgery Course	Orlando, Florida	November 2000
Guest speaker, Orange County Society of Otolaryngology – Head and Neck Surgery	Fountain Valley, CA	November 8, 2000
Guest speaker, University of California, Irvine, Department of Otolaryngology – Head and Neck Surgery Grand Rounds	Irvine, CA	November 8, 2000
Faculty, Endoscopic Sinus Surgery Course	Hong Kong	November 2000
Faculty, 3 <sup>rd</sup> Annual Advanced Functional Endoscopic Sinus Surgery Course	Adelaide, Australia	October 2000
Society of University Otolaryngologists/Association of Academic Departments in Otolaryngology	Jacksonville, WY	October 2000
Nasal/sinus lecture to medical group	Kearney, NE	October 4, 2000
Presentation on nose/sinus for Platte County Medical Society	Columbus, NE	September 12, 2000
Presenter, Nose 2000 and AAO-HNSF 2000 Meetings	Washington, D.C.	September 2000
Presenter, <i>Frontiers in Otorhinolaryngology 2000</i> , sponsored by The Garnett Passe and Rodney Williams Memorial Foundation	Adelaide, Australia	August 2000
Presenter, European ChemoReception Organization/International Society of Olfaction and Taste 13 <sup>th</sup> Annual Meeting	Brighton, United Kingdom	July 2000
Presenter, European Rhinologic Society/International Society of Infection and Allergy of the Nose 14 <sup>th</sup> Annual Meeting	Barcelona, Spain	June 2000
Researcher, XoMed Study Group	Paris, TN	June 2000
Featured Speaker, Combined Otolaryngology Spring Meetings	Orlando, FL	May 2000

## **FACULTY AT COURSES/INVITED LECTURES (continued)**

Course Director, Memphis Sinus Course Memphis, TN	May 2000
Lecturer, AchemS meeting Orlando, FL	April 2000
Rhinology speaker, University of Nebraska Family Practice Review Course Omaha, NE	Spring 2000
American Association of Asthma, Allergy and Immunology 56 <sup>th</sup> Annual Meeting San Diego, CA	March 2000
Invited/featured speaker and surgeon at Curso Teorico – Practico de Cirvgiu Funcional Endoscopica Motorizada en Nariz y Senos Pararusales del Nuervo Milenio Mexico City	February 2000
University of Nebraska Medical Center Outreach Program on “ENT Issues as they Relate to Primary Care” Neligh, NE	February 2000
Grand Rounds speaker on rhinosinusitis McGill University, Montreal	January 2000
Featured speaker at Programme des séances scientifique Mont Orford, Quebec	January 2000
Rhinologic Panel at Middle Section of Triologic Society Meeting Cincinnati, OH	January 2000
Otolaryngologists in Grand Island & Hastings Nebraska	November 1999
Otolaryngologists in Sioux Falls South Dakota	November 1999
Sinus and Allergy Partnership (National Guidelines Meeting) Amelia Island, FL	October 1999
Guest Speaker, International Clinical Rhinological and Laryngological Meeting Salvador, Bahia, Brazil	March 1999
Frontiers in Research and Clinical Management of Asthma and Allergy, Johns Hopkins Baltimore, MD	Annually 1993 – 1999
Comprehensive Endoscopic Sinus Surgery, Johns Hopkins Baltimore, MD	Annually 1992 – 1999
Grand Rounds, George Washington Medical Center Washington, D.C.	December 1998
Clinical Research: Improving the Process Johns Hopkins, Baltimore MD	December 1998

## **FACULTY AT COURSES/INVITED LECTURES (continued)**

17 <sup>th</sup> ISIAN and European Rhinologic Society meetings Vienna, Austria	July 1998
Research Symposium and invited graduation speaker Henry Ford Department of Otolaryngology - Head and Neck Surgery Dearborn, MI	May 1998
“Rhinosinusitis” Beebe Medical Center, Lewes, DE	May 1998
Combined Otolaryngology Spring Meetings Palm Beach, FL	May 1998
Georgetown University Grand Rounds “New Treatments for Rhinosinusitis” Washington, D.C.	April 1998
“Health Effects of Odors” Workshop, Sponsored by EPA, NIDCD Duke University, North Carolina	April 1998
American Academy of Allergy, Asthma, & Immunology Annual Meeting Washington, D.C.	March 1998
Southern Maryland Hospital Center “Management of Chronic Rhinosinusitis” Maryland	February 1998
31 <sup>st</sup> Winter Conference on Brain Research: Vomero - Nasal Organ talk Utah	January 1998
Triangle Otolaryngology Society, “Rhinosinusitis” Raleigh, NC	January 1998
Bernard Kleiman Lecturer and Blanchard & Kleiman guest of honor, University of Maryland Baltimore, MD	November 1997
Initiating and Organizing Clinical Research Johns Hopkins, Baltimore, MD	November 1997
“Hopkins on the Road” Lecture on olfaction, Doctors Community Hospital Lanham, MD	October 1997
International Symposium on Sinus Disease and Advanced Endoscopic Sinus Surgery Chicago, IL	October 1997
Buffalo ENT Society Meeting and Grand Rounds, Department of Otolaryngology, State University of New York Buffalo, NY	October 1997
19 <sup>th</sup> Advanced Functional Endoscopic Sinus Surgery Course Savannah, GA	October 1997
Visiting professor, University of Cincinnati Department of Otolaryngology - Head and Neck Surgery Grand Rounds and Cincinnati Otolaryngology Society Meeting Cincinnati, OH	September 1997

## **FACULTY AT COURSES/INVITED LECTURES (continued)**

Association of Chemoreception Sciences and International Society of Olfaction and Taste San Diego, CA	July 1997
Guest visiting professor in rhinology Singapore, Singapore	June 1997
16th Meeting of ISIAN (International Symposium on Infection and Allergy of the Nose) and Cottle International Rhinology Centennial (Moderated olfactory workshop. Gave opening talk on olfaction.)	June 1997
Nashville Otolaryngologists on Rhinosinusitis Nashville, TN	May 1997
Grand Rounds on Olfactory Problems, Vanderbilt University Nashville, TN	May 1997
Combined Otolaryngology Spring Meetings Scottsdale, AZ	May 1997
Chronic Rhinosinusitis Consensus Conference Philadelphia, PA	November 1996
Bergen County Otolaryngology Society New Jersey	September 1996
Kaiser Permanente Otolaryngologists Washington, D.C. area	December 1996
West Virginia Academy of Otolaryngology - Head and Neck Surgery White Sulfur Springs, WV	May 1996
International Winter Congress on Minimally Invasive Techniques in Neurosurgery, Otolaryngology, & Radiology Aspen, CO	March 1996
Tennessee Academy of Otolaryngology - Head & Neck Surgery Memphis, TN	August 1996
Manhattan Eye, Ear & Throat Hospital New York, NY	February 1996
Topics in Ambulatory Medicine VII Johns Hopkins Medical School Baltimore, MD	November 1995
Vinyl Acetate Nasal Toxicology Study Group Research Triangle Park, NC	October 1995
4th International Workshop on Endoscopic Surgery of the Nose and Sinuses, and 9th Meeting of The Korean Rhinologic Society Seoul, Korea	April 1995

## **FACULTY AT COURSES/INVITED LECTURES (continued)**

Update on Sinusitis for the Practitioner, Johns Hopkins Baltimore, MD	Annually 1991 - 1994
Human Olfaction and Audition Meeting London, England	May 1994
Association for Research in Otolaryngology St. Petersburg, FL	February 1994
Nasal Toxicity and Dosimetry of Inhaled Xenobiotics: Implications for Human Health Durham, NC	Sept 1993
International Advanced Sinus Symposium Philadelphia, PA	July 1993
Royal Society of Medicine and American Academy of Otolaryngology-Head and Neck Surgery Combined Mtg Nottingham, England	July 1993
Department of Otolaryngology - Sense of Smell lecture Columbus, OH	December 1992
Monell Chemical Senses CTR Philadelphia, PA	May 1992
Association d'Oto-rhino-laryngologie et de Chirurgie Cervico-faciale du Quebec Congress Montreal, Quebec	1991 November 1991
Endoscopic Sinus Surgery Course Syracuse, NY	October 1991
Sinus Endoscopy: A Hands - On Workshop Newark, NJ	June 1991
Otolaryngology, University of Rochester Rochester, NY	October 1990
European Rhinologic Society London, England	June 1990
Clinical Geriatric Otolaryngology Washington, DC	March 1990

## **RHINOLOGY –CHEMOSENSORY FELLOWS TRAINED**

W. Derek Leight	2009-10
Erin O'Brien	2007-08
Mohammad Aziz Sutbas	2005-06
Bozena Wrobel	2003-04

## **RHINOLOGY –CHEMOSENSORY FELLOWS TRAINED continued**

William Derek Leight	2009-10
Erin K O'Brien	2007-08
Bozena Wrobel	2003-04
Chris Brown	2002-03
Eric Holbrook	2002-03
Sande Bartels Irwin	2001-02
Todd Loehrl	1998-99
Stephanie Joe	1998
Michelle Cullen	1998-99
Quoc Nguyen	1996-97
Seok Chan Hong	1994-95

## **COMMENTARY**

1. **Leopold, D.A.**, et al. "Antimicrobial Treatment Guidelines for Acute Bacterial Rhinosinusitis." Supplement to *Otolaryngology – Head and Neck Surgery*, vol. 123, number 1, part 2. July 2000.
2. **Leopold, D.A.** "A Perplexing Olfactory Loss." *Archives of Otolaryngology - Head and Neck Surgery*, vol. 126, issue 6, pg. 803. June 2000.

## **RULES COMMITTEES**

Leopold, D.A., et al. "Antimicrobial Treatment Guidelines for Acute Bacterial Rhinosinusitis." For the Sinus and Allergy Health Partnership. Published as a supplement to *Otolaryngology – Head and Neck Surgery*, vol. 123, number 1, part 2. July 2000.

## **ACADEMIC EVALUATIONS**

External reviewer of ENT residency program at McGill University, Montreal Canada, Feb 2014