

## DAVID GREENE, MD, FACS, FARS

BOARD CERTIFIED, OTOLARYNGOLOGY—HEAD & NECK SURGERY  
AND FACIAL PLASTIC & RECONSTRUCTIVE SURGERY

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### EDUCATION

- **Stanford University Medical Center**, Department of Otolaryngology—Head and Neck Surgery, Palo Alto, CA. Fellowship in Facial Plastic & Reconstructive Surgery, 1998-1999.
- **University of California, San Francisco**, Department of Otolaryngology—Head and Neck Surgery, San Francisco, CA. Surgery Intern, 1993-1994. Otolaryngology Resident, 1994-1998. Otolaryngology Chief Resident, 1997-1998.
- **Yale University School of Medicine**, New Haven, CT. M.D., May 1993.
- **Harvard University**, Cambridge, MA. B.A. in History & Science, June 1989. *Phi Beta Kappa, Magna Cum Laude, John Harvard Scholar, Harvard College Scholar, Detur Prize Winner.*

### EXPERIENCE

- **10/2011-Present: Private Practice, David Greene, MD, LLC**; Florida Sinus Institute, Naples, FL./ 2011-Present. Admitting & Surgical Privileges at Naples Community Hospital, North Naples Hospital, and Physicians Day Surgery Center.
- **10/2006-10/2011: Physicians Regional Medical Group**, Naples, FL. Chief of Otolaryngology—Head & Neck Surgery, 2006-2011. Transition Committee, 2006. Board of Advisors, 2006-2008. Chairman, Department of Research and Education, 2006-2008. Course Director, Otolaryngology Symposium, 2007-2008.
- **10/2006-01/2008: Cleveland Clinic Head & Neck Institute**, Cleveland, OH. Adjunct Staff.
- **07/1999-10/2006: Cleveland Clinic Florida**, Naples, FL; 1999-2006. Chairman, Department of Otolaryngology, 2001-2006. Staff Otolaryngologist—Head & Neck Surgeon, 1999-2006. Course Director & Founder, Cleveland Clinic Otolaryngology Symposium, 2002-2008. Course Director & Founder, ENT for Primary Care Practitioners Symposium, 2003-2005. Chairman, Infection Control Committee, 2001-2002. Chairman, Department of Research and Education, 2005-2006.
- **07/1998-06/1999: Stanford University Medical Center**, Stanford, CA. Clinical Instructor, Otolaryngology—Head & Neck Surgery and Facial Plastic & Reconstructive Surgery,
- **07/1998-06/1999: Palo Alto Veterans Health System**, Palo Alto, CA. Staff Surgeon.

## **CERTIFICATION & CREDENTIALS**

- Board Certified, American Board of Otolaryngology. Board Certification 1999 (Lifetime Certification).
- Board Certified, American Board of Facial Plastic & Reconstructive Surgery. Board Certification 2001, Re-Certification / M.O.C. 2012.
- Diplomate, National Board of Medical Examiners, 1994.
- Licensure, Florida, 1999-Present. California, 1993-1999.
- Admitting & Surgical Privileges: Naples Community Health System, Naples Community Hospital, North Naples Hospital, Physicians Day Surgery.

## **PROFESSIONAL SOCIETIES**

- Fellow, American College of Surgeons
- Fellow, American Rhinologic Society
- Fellow, American Academy of Otolaryngology—Head & Neck Surgery
- Diplomate, American Board of Otolaryngology
- Diplomate, American Board of Facial Plastic & Reconstructive Surgery
- Member, Collier County Medical Society
- Member, American Academy of Otolaryngology—Head & Neck Surgery
- Member, Society of University Otolaryngologists—Head and Neck Surgeons, 2004-2006

## **AWARDS AND HONORS**

- “Top Doctors,” Castle-Connolly; 17 years consecutively, 2004-2020.
- “Top Doctors,” *Naples Illustrated* Magazine and Professional Research Services Peer Review, 2020.
- “Guide to America’s Top Physicians.” Consumers Research Council of America; 16 years consecutively, 2003-present.
- “Patient’s Choice Award,” Patients’ Choice, 2011-present.
- “Most Compassionate Physician Award,” Vitals, 2011-present.
- The Gulfshore’s “Top Doctors,” Gulfshore Life, Naples, FL; 15 years consecutively, 2004-Present.

- Who’s Who in Medicine and Healthcare, 2003-Present.
- Who’s Who in America, Marquis, 2004-Present.
- Who’s Who in the World, Marquis, 2017-2019.
- Charter Alumnus, Leadership Development Program, American Academy of Otolaryngology—Board of Governors.
- John Orlando Roe Award for Best Clinical Research Paper, American Academy of Facial Plastic Surgery, 1999.
- Fellow, American College of Surgeons.
- Fellow, American Academy of Otolaryngology—Head and Neck Surgery Fellow.
- Fellow, American Rhinologic Society.
- Achievement Award, American Academy of Otolaryngology-Head & Neck Surgery, 1999.
- Physician Recognition Award, American Medical Association, 1997-1999, 2001-2002.
- “Special Recognition Award for Service Above & Beyond the Call of Duty,” VAMC, 1999.
- Facial Plastic Surgery Award for Academic Achievement, Department of Otolaryngology, Division of Facial Plastic Surgery, University of California, San Francisco, 1996.
- Association for Research in Otolaryngology, Travel Award, 1991.
- Stony-Wold Herbert Scholar, while at Harvard, 1985-1989.
- Gannett Scholar, while at Harvard, 1985-1989.
- Honors, Westinghouse Science Talent Search, 1985.

## **PUBLICATIONS**

1. Fricker L, Das B, Kline R, Greene D, and Jung Y: Regulation of Carboxypeptidase E (Enkephalin Convertase). National Institute on Drug Abuse Research Monograph Series 3:171-187, 1991.
2. Greene D, Das B and Fricker L: Regulation of Carboxypeptidase-E: Effect of pH, temperature, and Co<sup>2+</sup> on kinetic parameters of substrate hydrolysis. *Biochemical Journal* 285:613-618, 1992.
3. Sasaki C, Greene D, Son Y, and Cahow CE: Chapter: Hypopharyngeal Carcinoma, in *Cancer of The Pharynx and Larynx*, Stafford ND, editor, Blackwell Press, Oxford, U.K., 1993.
4. Greene D, Pruitt L, and Maas CS: Biomechanical effects of e-PTFE implant structure on stability of soft tissue implantation: an experimental study in the porcine model. *Laryngoscope* 107: 957-962, 1997.
5. Greene D, Sussman S, and Singer MI: Experience with segmental reconstruction of the radiated mandible with alloplastic prostheses. *Laryngoscope* 107: 1018-1023, 1997.
6. Greene D, Raven R, and Maas CS: Epidemiology of facial injury in blunt assault: Determinants of incidence and outcome in 802 cases. *Archives of Otolaryngology—Head and Neck Surgery* 123 (9): 923-928, 1997.
7. Maas CS, Papel I, Greene D, and Stoker D: Complications of injectable materials in facial augmentation. *Journal of Dermatologic Surgery and Oncology* 23 (10): 871-877, 1997.
8. Mandpe A, Singer MI, Kaplan MJ, and Greene D: Alloplastic and microvascular restoration of the mandible: a comparison study. *Laryngoscope* 108 (2): 224-227, 1998.
9. Greene D, Deschler D, and Kaplan MJ: Dermal metastases of pectoralis major myocutaneous flap donor site from a laryngeal squamous cell carcinoma. *ENT Journal* 77(2):102-104, 1998.
10. Maas CS, Spiegel J, and Greene D: Softform e-PTFE Tissue Augmentation, in *Tissue Augmentation in Clinical Practice*, (Klein, editor.): Mosby—Year Book, Inc., St. Louis, 1998.
11. Greene D, and Murr AH: Self-induced orbital emphysema: A rare presentation of Munchausen's syndrome. *Otolaryngology—Head and Neck Surgery*, 119:512-514, 1998.
12. Monhian N, Greene D, and Maas CS: The role of soft-tissue implants in scar revision. *Facial Plastic Surgery Clinics of North America* 6(2), May 1998.
13. Greene D, Egbert B, Utley D, and Koch RJ: The validity of ex-vivo laser skin treatment for histologic analysis: A prospective controlled study. *Archives of Facial Plastic Surgery*, 1:159-164, 1999 (cover story).
14. Greene D, Maas CS, Carvalho G, and Raven R: Epidemiology of facial injury in female blunt assault trauma cases. *Archives of Facial Plastic Surgery*, 1:288-291, 1999.
15. Greene D, Koch RJ, and Goode RL: Efficacy of octyl-2-cyanoacrylate tissue glue in blepharoplasty: A prospective controlled study of wound-healing characteristics. *Archives of*

Facial Plastic Surgery, 1:292-296, 1999 (Winner, AAFPRS Research Award).

16. Cheng E, Greene D, and Koch RJ: Metastasis of renal cell carcinoma to the nasal tip. *Otolaryngology—Head and Neck Surgery*, 122:464, 2000.
17. Koch RJ and Greene D: Reconstruction of the Aerodigestive Tract: Basic Principles & Goals. In: *Facial Plastic and Reconstructive Surgery* (Toriumi, D.M., ed.), Lippincott-Raven, Philadelphia, 2000.
18. Greene D, Koch RJ, Utley D, and Egbert B: In-vivo model of histologic changes following treatment with the superpulsed CO2 laser, erbium:YAG laser, and blended lasers: a 4-6 month prospective histological and clinical study. *Lasers in Medicine and Surgery*, 27:362-372, 2000.
19. Greene D: Obstructive sleep apnea—Advanced Surgical Techniques. *Audio-Digest Otolaryngology*, 35(24), 2002.
20. Akst L, Dipasquale B, Berho M, Greene D, and Roberts J: *Dirofilaria* infection presenting as a facial mass: case report of an emerging zoonosis. *American Journal of Otolaryngology*, 25(2): 134-137, 2004.
21. Akst L, Discolo C, Dipasquale B, Greene D, and Roberts J: Metastatic seminoma with cervical lymphadenopathy as the initial presentation. *Ear, Nose and Throat Journal*, 83(5): 356-359, 2004.
22. Akst L, Greene D, Discolo C, and Schlossberg L: Anterior cranial fossa glioblastoma presenting with obstructive sleep apnea as an isolated symptom. *American Journal of Otolaryngology*, 26(5): 327-329, 2005.
23. Greene D. Total necrosis of soft palate and intranasal structures from intranasal abuse of crushed oxycodone (OxyContin). *Ear, Nose and Throat Journal*, 84(8) 512-516, 2005.
24. Greene D, and Akst L: Efficacy of radiofrequency ablation of the tongue base in management of retroglossal obstruction in obstructive sleep apnea syndrome. Abstract, Proceedings of the Triological Society, May 2004.
25. Greene D, and Akst L: Low-temperature radiofrequency molecular dissociation (Coblation®) for base-of-tongue reduction in obstructive sleep apnea. Oral presentation. *American Academy of Otolaryngology*, September 2004. Abstract published in *Otolaryngology—Head and Neck Surgery*, 2004.
26. Greene D: Building a Snoring and Sleep Apnea Practice. *Audio-Digest Otolaryngology*, 38(19), 2005.
27. Greene D: The nose and nasal surgery in obstructive sleep apnea. *Audio-Digest Otolaryngology*, 38(19), 2005.
28. Greene D: Botulinum toxin type A for facial rejuvenation. *Audio-Digest Otolaryngology*, 38(24), 2005.
29. Greene D: Uvulopalatopharyngoplasty (UPPP) with palatal flap and releasing incisions for

- obstructive sleep apnea syndrome (OSAS). *Audio-Digest Otolaryngology*, 38(24), 2005.
30. Greene D: Radiofrequency ablation of the tongue base (RFBOT) for obstructive sleep apnea syndrome (OSAS). *Audio-Digest Otolaryngology*, 38(24), 2005.
  31. Akst L, Greene D, and Roberts J.: Metastatic seminoma with cervical lymphadenopathy as the initial manifestation. *Ear, Nose & Throat Journal*, 2004.
  32. Lott D, Akst L, Greene D, and Roberts J.: T-cell primary cutaneous anaplastic large cell lymphoma mimicking the appearance of large basal cell carcinoma. *Otolaryngology—Head Neck Surg*. 2006 Jul; 135(1):170-1.
  33. Shipchandler TZ, Akst LM, and Greene D, Henry M. Pathology quiz case 2: Spindle cell lipoma. *Archives of Otolaryngology Head Neck Surg*. 2006 Feb; 132(2):221, 223.
  34. Walker RP, Levine HL, Hopp ML, Greene D, and Pang K.: Palatal implants: a new approach for the treatment of obstructive sleep apnea. *Otolaryngology Head Neck Surg*. 135(4):549-54, 2006.
  35. Walker RP, Levine HL, Hopp ML, Greene D, and Pang K.: Extended follow-up of palatal implants for the treatment of obstructive sleep apnea. *Otolaryngology Head Neck Surgery*, 137(5): 822-827, 2007.
  36. Greene D.: Comprehensive examination of the airway for sleep disordered breathing. *Audio Digest Otolaryngology*. 40:5; 2007.
  37. Greene D.: Radiofrequency ablation of the tongue base. *Audio Digest Otolaryngology*. 40:5; 2007.
  38. Greene D. Adding allergy management to your practice. *Audio-Digest Otolaryngology* April 21, 2008; Volume 41, Issue 08.
  39. Greene D. Adding allergy management to your practice: testing, immunotherapy, and asthma. *Audio-Digest Otolaryngology*, April 21, 2008; Volume 43, Issue 04.
  40. Greene D. Efficacy of topical nebulized antibiotics and steroids in the management of postoperative recurrent chronic sinusitis. Abstract published, Triological Society. Presented as a poster at the Combined Otolaryngology Spring Meeting, Naples FL, 2008.
  41. Greene D. Bipolar radiofrequency ablation of the turbinates for chronic nasal obstruction. *ENT News*, July-August, 2008; 17(3) 100-102.
  42. Greene D.: Radiofrequency ablation of the tongue base in obstructive sleep apnea: rapid and effective technique using low-temperature radiofrequency molecular dissociation (Coblation) for management of retroglossal obstruction. *Journal of Otolaryngology - Head & Neck Surgery*, 2008; 37(6):777-81.
  43. Lite, J; after Greene D.: Domestic violence victims have distinct facial injuries, study says. *Scientific American Online*, Jan 19, 2009.



## **PRESENTATIONS**

1. Pattern of gene expression of GABA-A subunit mRNAs in the rat central auditory system. Research conducted at the National Institutes of Health (NIH), Bethesda MD. Presented at the Association for Research in Otolaryngology (ARO) Meeting, Saint Petersburg Beach FL, February 1991.
2. Prognostic factors and therapeutic efficacy in hypopharyngeal carcinoma: a 15-year review of 167 cases. Presented at the American Academy of Otolaryngology-Head and Neck Surgery, San Diego CA, September 1994.
3. Efficacy in treatment of hypopharyngeal carcinoma. Presented at the Bay Area Residents Research Symposium, Claremont Hotel, Oakland CA, June 1995.
4. Segmental reconstruction of the radiated mandible with vascularized flaps and osseointegrated prostheses. Presented at the Triological Society-Western Section Meeting, Newport Beach CA, January 1996.
5. Epidemiology of facial injury in blunt assault: Determinants of incidence and outcome in 802 cases. Presented at the American Academy of Facial Plastic and Reconstructive Surgery Spring Meeting, Orlando FL, May 1996.
6. Biomechanical modeling of the facial skeleton: A new Finite Element Model (FEM-3) of the facial skeleton in occlusion and trauma. Presented at Grand Rounds, UCSF Department of Otolaryngology—Head & Neck Surgery, San Francisco CA, October 1996.
7. Finite element model of the facial skeleton: A computerized simulation of physiologic occlusion, traumatic impact, and fracture. Presented at the American Academy of Facial Plastic and Reconstructive Surgery Spring Meeting, Scottsdale AZ, May 14-16, 1997.
8. Paradoxical vocal cord adduction simulating airway obstruction: Analysis of organic and functional cases. Presented at the Triological Society, Western Section Meeting, Tucson AZ, January 11, 1997.
9. Biomechanical effects of e-PTFE implant structure on soft tissue implantation stability: An experimental study in the porcine model. Presented at the Triological Society, Western Section Meeting, Tucson AZ, January 12, 1997.
10. Epidemiology of facial assault trauma. Presented at the Bay Area Residents Research Symposium. Claremont Hotel, Oakland CA, June 1997.
11. Cervical Castleman's disease: evaluation and treatment. Presented at the UCSF Francis Sooy Lectureship, June 1997.
12. Thyroid carcinoma: Evaluation and treatment. Presented at the quarterly combined UCSF—Stanford Otolaryngology Grand Rounds, Burlingame CA, December 1997.



13. Aerodigestive tract reconstruction: Basic principles and goals. UCSF Facial Plastic and Reconstructive Surgery Course, March 19, 1998.
14. Evaluation and management of facial trauma. UCSF Facial Plastic and Reconstructive Surgery Course, March 24, 1998.
15. The use of tubular e-PTFE implant in soft tissue augmentation: Biomechanics and practical application. Presented at the Bay Area Residents Research Symposium. Claremont Hotel, Oakland CA, June 1998.
16. Histological analysis of the thermal effect on epidermal and dermal structures following treatment with the superpulsed CO2 laser, the erbium:YAG laser, and combined CO2/Erbium laser modalities: an in vivo study with 6 month histology. Presented at the American Society for Laser Medicine and Surgery meeting, April 16, 1999.
17. The validity of ex-vivo laser skin treatment for histological analysis: A prospective controlled study. Presented at the American Academy of Facial Plastic Surgery meeting in conjunction with Combined Otolaryngology Spring Meetings (COSM), April 29, 1999.
18. The use of octyl-2-cyanoacrylate glue in blepharoplasty. Presented at the Foundation for Facial Plastic Surgery Course, presented on my behalf by Dr. Koch. Newport Beach, CA, August 1999.
19. Efficacy of octyl-2-cyanoacrylate tissue glue in blepharoplasty: A prospective controlled study of wound-healing characteristics. American Academy of Facial Plastic Surgery meeting in conjunction with Combined Otolaryngology Spring Meetings (COSM), April 29, 2000.
20. Diagnosis and management of sleep apnea and snoring. Cleveland Clinic Florida CME Course, March 7, 2000.
21. Contemporary management of allergic rhinitis. Schering Lectureship, June 15, 2000.
22. Management of sinusitis and allergic rhinitis for the primary care practitioner. Physician education CME lectures, Cleveland Clinic Florida, Naples, September 15, 2000.
23. Differential diagnosis of sinonasal diseases. Naples Nurse Practitioner Association, October 17, 2000.
24. Diagnosis and management of sinonasal tract diseases. Fort Myers Advanced Nurse Practitioner Association, October 12, 2000.
25. Otolaryngologic manifestations of gastroesophageal reflux. Annual gastroenterology course sponsored by Saint Joseph's Hospital, Don Cesar Resort, St. Petersburg, FL, November 4-5, 2000.
26. Laryngeal and pharyngeal anatomy for the gastroenterologist. Annual Gastroenterology Course sponsored by Saint Joseph's Hospital, Don Cesar Resort, St. Petersburg, FL, November 4-5, 2000.

27. Advanced management of nasal and sinus disorders. Course for primary care providers, Naples, FL, December 2, 2000.
28. Applied surgical anatomy of the lateral nasal wall. International guest lectureship, Endoscopic Sinus Surgery Meeting sponsored by the Mexican Society of Otolaryngology, Hospital Angeles de las Lomas, Mexico City, Mexico, January 20, 2001.
29. Pathophysiology and treatment of sinonasal polyposis: a treatment approach for the new millennium. International guest speaker, Endoscopic Sinus Surgery Meeting sponsored by the Mexican Society of Otolaryngology, Hospital Angeles de las Lomas, Mexico City, Mexico, January 20, 2001.
30. New approaches to endoscopic control of epistaxis. International guest speaker, Endoscopic Sinus Surgery Meeting sponsored by the Mexican Society of Otolaryngology, Hospital Angeles de las Lomas, Mexico City, Mexico, January 20, 2001.
31. Laryngeal anatomy and pathophysiology for the endoscopist. Cleveland Clinic Florida Gastroenterology Course, Ft. Lauderdale, FL, February 9, 2001.
32. Management of the nasal valve in rhinoplasty. Israeli Society of Otolaryngology, International guest speaker, Dead Sea Resort, Israel, February 22, 2001.
33. Advanced surgical management of obstructive sleep apnea. Israeli Society of Otolaryngology, International guest speaker, Dead Sea Resort, Israel, February 23, 2001.
34. Advanced medical and surgical treatment of sinonasal polyposis. Cleveland Clinic CME Course, Naples FL, May 8, 2001.
35. Contemporary management of chronic sinusitis. Cleveland Clinic CME Course, Naples FL, May 15, 2001.
36. Allergic Rhinitis and Inhalant Allergies: From bench to bedside. Cleveland Clinic CME Course, Naples FL, May 22, 2001.
37. Eustachian tube dysfunction and its consequences. Naples Advanced Nurse Practitioner Association, Naples FL, August 21, 2001.
38. Diagnosis and treatment of Eustachian tube dysfunction and serous otitis media. Cleveland Clinic CME Course, Naples FL, October 16, 2001.
39. Emerging resistance in the microbiology of sinusitis. Schering Lectureship, Hilton Resort, Naples FL, October 24, 2001.
40. Microbiology of acute and chronic sinusitis: Definition and application of maximal medical therapy. Naples Community Hospital Physicians, Registry Resort, January 24, 2002.
41. Laryngopharyngeal dysfunction in reflux disease. Cleveland Clinic CME Course, Naples FL, November 13, 2001.

42. Panelist and Faculty, Obstructive Sleep Apnea. Sisson Head and Neck Workshop sponsored by Vanderbilt University Department of Otolaryngology, Marriott, Vail CO, February 2002.
43. Advanced techniques in sleep apnea surgery. Sisson Head and Neck Workshop sponsored by Vanderbilt University Department of Otolaryngology, Marriott, Vail CO, February 2002.
44. Management of retroglossal obstruction in sleep apnea: a new algorithm. Sisson Head and Neck Workshop sponsored by Vanderbilt University Department of Otolaryngology, Marriott, Vail CO, February 2002.
45. Radiofrequency ablation of the tongue base in sleep apnea. Sisson Head and Neck Workshop sponsored by Vanderbilt University Department of Otolaryngology, Marriott, Vail CO, February 2002.
46. Sinusitis and Endoscopic Sinus Surgery Panel: Sisson Head and Neck Workshop sponsored by Vanderbilt University Department of Otolaryngology, Marriott, Vail CO, February 2002.
47. Diagnosis and management of laryngopharyngeal reflux complications. Naples Area Nurse Practitioners, Naples FL, February 20, 2002.
48. Microbiology of acute bacterial sinusitis: application of the SAHP guidelines. Naples area Nurse Practitioners, Ritz Carlton, Naples FL, February 26, 2002.
49. Management of allergic rhinitis and inflammatory conditions of the nose: from bench to bedside. Collier County physicians lecture, Hyatt Regency Resort, Estero FL, March 9, 2002.
50. State of the art in sleep apnea and sleep disordered breathing: overview. Cleveland Clinic Otolaryngology Symposium 2002, Marco Island Marriott, Marco Island, FL, March 21-23, 2002.
51. The role of radiofrequency tongue base ablation in the management of retroglossal obstruction in OSA. Cleveland Clinic Otolaryngology Symposium 2002, Marco Island Marriott, Marco Island, FL, March 21-23, 2002.
52. Mandibulomaxillary advancement: technique and role in OSA. Cleveland Clinic Otolaryngology Symposium 2002, Marco Island Marriott, Marco Island, FL, March 21-23, 2002.
53. Advanced OSA surgical techniques: the state of the art. Cleveland Clinic Otolaryngology Symposium 2002, Marco Island Marriott, Marco Island, FL, March 21-23, 2002.
54. Principles of nasal valve surgery. Cleveland Clinic Otolaryngology Symposium 2002, Marco Island Marriott, Marco Island, FL, March 21-23, 2002.
55. Pharmacological approaches to inflammatory sinonasal disease. Symposium for SW Florida Physicians, Ritz Hotel, Naples FL, May 18, 2002.

56. The role of histamine and immune mediators in allergic and non-allergic rhinitis. Cleveland Clinic Florida Lecture Series, Naples FL, June 1, 2002.
57. The role of topical steroid therapy in inflammatory conditions of the sinonasal tract. . Cleveland Clinic Florida Lecture Series, Fort Myers FL, June 13, 2002.
58. Immune mediator effects in allergic rhinitis and rhinosinusitis. Cleveland Clinic Florida Lecture Series, Naples FL, August 6, 2002.
59. Differential diagnosis of otological disorders. Cleveland Clinic Florida CME program, October 1, 2002.
60. Differential diagnosis of nasal and sinus disorders. Naples Community Hospital Physicians, October 10, 2002.
61. Practical approaches to rhinitis and sinusitis. Teleconference to Southeastern U.S. Physicians (Florida, Georgia, South Carolina, North Carolina), October 16, 2002.
62. Diagnosis and management of inflammatory conditions of the sinonasal tract. . Teleconference to Southeastern U.S. Physicians (Florida, Georgia, South Carolina, North Carolina), October 30, 2002.
63. Critical case studies in rhinology. Cleveland Clinic CME Course, Cleveland Clinic Florida Naples, FL. November 1, 2002.
64. Pharmacotherapy for allergic and non-allergic rhinitis. Lee and Collier County Society of Pharmacists, invited guest CME lecturer, November 6, 2002.
65. Treatment of sinonasal tract inflammatory conditions. Teleconference to Southeastern U.S. Physicians (Florida, Georgia, South Carolina, North Carolina), November 13, 2002.
66. Laryngopharyngeal reflux: pathophysiology, diagnosis, and management. Naples Physicians, December 4, 2002.
67. Advanced frontal sinus surgery: case studies. Sisson International Head and Neck Surgery Workshop, Sponsored by Vanderbilt University, Eagle Marriott Resort, Vail, Colorado, February 13, 2003.
68. Case studies in laryngopharyngeal reflux. Naples Physicians, Cleveland Clinic Florida Lecture Series, December 4, 2002.
69. New paradigm for acute and chronic sinusitis: the role of microbial eradication in a time of bacterial resistance. Naples Area Physicians, Cleveland Clinic Florida Lecture Series, February 20, 2003.
70. Fundamentals of sinonasal examination, diagnosis, and treatment for the primary care practitioner. Cleveland Clinic CME Meeting, March 18, 2003.

71. Practical approaches to facial plastic surgery. Moderator. Cleveland Clinic Otolaryngology Symposium 2003, Registry Resort, Naples FL, March 20, 2003.
72. Challenges in laryngology. Panelist. Cleveland Clinic Otolaryngology Symposium 2003, Registry Resort, Naples FL, March 20, 2003.
73. Update on advances in OSAS surgery. Cleveland Clinic Otolaryngology Symposium 2003, Registry Resort, Naples FL, March 21, 2003.
74. A new protocol for surgical management of sleep apnea: the role of tongue base ablation. Cleveland Clinic Otolaryngology Symposium 2003. Cleveland Clinic Otolaryngology Symposium 2003, Registry Resort, Naples FL, March 21, 2003.
75. Three critical cases in OSA surgery: decision-making. Cleveland Clinic Otolaryngology Symposium 2003, Registry Resort, Naples FL, March 21, 2003.
76. Moderator, Sleep apnea panel and session. Cleveland Clinic Otolaryngology Symposium 2003, Registry Resort, Naples FL, March 21, 2003.
77. Examination of the sinonasal tract. ENT Disorders for the Primary Care Practitioner. Sponsored by the Cleveland Clinic Foundation Department of Otolaryngology, Registry Resort, Naples FL, March 22, 2003.
78. Nasal Obstruction. ENT Disorders for the Primary Care Practitioner. Sponsored by the Cleveland Clinic Foundation Department of Otolaryngology, Registry Resort, Naples FL, March 22, 2003.
79. Sinus survival guide: a case-based discussion of differential diagnosis. ENT Disorders for the Primary Care Practitioner. Sponsored by the Cleveland Clinic Foundation Department of Otolaryngology, Registry Resort, Naples FL, March 22, 2003.
80. Epistaxis: pathophysiology, evaluation and treatment. ENT Disorders for the Primary Care Practitioner. Sponsored by the Cleveland Clinic Foundation Department of Otolaryngology, Registry Resort, Naples FL, March 21, 2003.
81. Acute and chronic sinusitis. ENT Disorders for the Primary Care Practitioner. Sponsored by the Cleveland Clinic Foundation Department of Otolaryngology, Registry Resort, Naples FL, March 22, 2003.
82. Allergic rhinitis and inflammatory conditions of the upper airway. ENT Disorders for the Primary Care Practitioner. Sponsored by the Cleveland Clinic Foundation Department of Otolaryngology, Registry Resort, Naples FL, March 22, 2003.
83. Perennial non-allergic rhinitis. Cleveland Clinic Florida ENT Series. Hyatt Regency, Bonita Springs FL, March 24, 2003.
84. Medical management of sinusitis in the age of antimicrobial resistance. 27th Annual Orlando Regional Internal Medicine Conference, Hotel Royal Plaza, Orlando FL, March 28, 2003.

85. Otolgic infectious diseases. 27th Annual Orlando Regional Internal Medicine Conference, Hotel Royal Plaza, Orlando FL, March 28, 2003.
86. What is maximal medical therapy in sinusitis? Cleveland Clinic Florida ENT Series, Hilton Hotel, Naples, FL, May 20, 2003.
87. Microbiology of chronic and acute sinusitis. Cleveland Clinic Florida ENT Series. Bonita Springs, FL, May 29, 2003.
88. A unified airway? The nose, sinuses, and upper airway in inflammatory and infectious disease. Long Island Jewish Hospital/North Shore Hospital CME program, Marriott Hotel, Tampa, FL, June 5, 2003.
89. The role of intranasal steroids in allergic rhinitis. Long Island Jewish Hospital/North Shore Hospital CME program, Marriott Hotel, Tampa, FL, June 5, 2003.
90. Optimizing oral antihistamine therapy for allergic rhinitis. Long Island Jewish Hospital/North Shore Hospital CME program, Marriott Hotel, Tampa, FL, June 5, 2003.
91. Common themes in sinonasal and pulmonary disease. Long Island Jewish Hospital/North Shore Hospital CME program, Marriott Hotel, Tampa, FL, June 5, 2003.
92. Case reports in nasal and sinus disease for the primary care practitioner. Cleveland Clinic Florida ENT Series, Hilton Hotel, Naples, FL, June 9, 2003.
93. State of the art care for nasal and sinus disorders. Cleveland Clinic Patient Lecture Series, Cleveland Clinic Florida Naples Hospital, June 25, 2003.
94. The nasal airway and the art of rhinoplasty. 27th Annual Congress, Society of Otolaryngology /Head and Neck Surgery Nurses, Rosen Center, Orlando FL, September 20, 2003.
95. Mastering the nasal and sinus examination. 27th Annual Congress, Society of Otolaryngology/Head and Neck Surgery Nurses, Rosen Center, Orlando FL, September 20, 2003.
96. Diagnosis and treatment of key sinonasal disorders. 27th Annual Congress, Society of Otolaryngology/Head and Neck Surgery Nurses, Rosen Center, Orlando FL, September 20, 2003.
97. Advances in radiofrequency ablation of the tongue base in sleep apnea surgery. American Academy of Facial Plastic Surgery, Annual Meeting, Sleep Apnea and Facial Plastic Surgery Panel, Orlando Convention Center, Orlando FL, September 20, 2003.
98. Trends in the management of upper airway infections in the age of bacterial resistance. Association of Institutional Pharmacists. Sawgrass Mills FL, October 15, 2003.

99. Panelist, Controversies in Functional Endoscopic Sinus Surgery. 26th Annual Sisson International Head and Neck Surgery Meeting, sponsored by Vanderbilt University, The Lodge at Vail, Vail, Colorado, February 12, 2003.
100. Frontal sinusitis controversies. 26th Annual Sisson International Head and Neck Surgery Meeting, sponsored by Vanderbilt University, The Lodge At Vail, Vail, Colorado, February 13, 2003.
101. Controversies in FESS: Practical thoughts on sinus dilemmas. 26th Annual Sisson International Head and Neck Surgery Meeting, sponsored by Vanderbilt University, The Lodge at Vail, Vail, Colorado, February 13, 2003.
102. Moderator, Chronic Rhinosinusitis Case Management Panel. 26th Annual Sisson International Head and Neck Surgery Meeting, sponsored by Vanderbilt University, The Lodge at Vail, Vail, Colorado, February 13, 2003.
103. Is there a consensus on the treatment of chronic sinusitis? 26th Annual Sisson International Head and Neck Surgery Meeting, sponsored by Vanderbilt University, The Lodge at Vail, Vail, Colorado, February 13, 2003.
104. Chronic sinusitis management: What constitutes maximal medical therapy? 26th Annual Sisson International Head and Neck Surgery Meeting, sponsored by Vanderbilt University, The Lodge at Vail, Vail, Colorado, February 13, 2003.
105. Chronic sinusitis management: Optimizing success in FESS. 26th Annual Sisson International Head and Neck Surgery Meeting, sponsored by Vanderbilt University, The Lodge at Vail, Vail, Colorado, February 13, 2003.
106. Moderator, Facial Plastic Surgery Panel. Cleveland Clinic Otolaryngology Symposium 2004, Registry Resort, Naples FL, March 18, 2004.
107. Use of the multi-planar Z-plasty for isolated submentoplasty. Cleveland Clinic Otolaryngology Symposium 2004, Registry Resort, Naples FL, March 18, 2004.
108. Revision rhinoplasty for the thin skinned patient. Cleveland Clinic Otolaryngology Symposium 2004, Registry Resort, Naples FL, March 18, 2004.
109. How I do it: Palatal flap UPPP with releasing incisions. Cleveland Clinic Otolaryngology Symposium 2004, Registry Resort, Naples FL, March 19, 2004.
110. Advanced techniques in obstructive sleep apnea syndrome (OSAS) surgery: genioglossus advancement, tongue suspension, and radiofrequency ablation. Cleveland Clinic Otolaryngology Symposium 2004, the Registry Resort, Naples FL, March 19, 2004.
111. Radiofrequency tongue base ablation: technique and algorithm for obstructive sleep apnea syndrome (OSAS) surgery. Cleveland Clinic Otolaryngology Symposium 2004, Registry Resort, Naples FL, March 19, 2004.

112. Nasal obstruction: differential diagnosis and treatment. ENT for the Primary Care Practitioner, Registry Resort, Naples FL, March 20, 2004.
113. Nasal and sinus examination for the primary care physician. ENT for the Primary Care Practitioner, Registry Resort, Naples FL, March 20, 2004.
114. Treatment guidelines for sinusitis. ENT for the Primary Care Practitioner, Registry Resort, Naples FL, March 20, 2004.
115. Analysis of prototypical cases in nasal and sinus disease. ENT for the Primary Care Practitioner, Registry Resort, Naples FL, March 20, 2004.
116. ENT manifestations of reflux. Cleveland Clinic Florida Lecture Series, March 31, 2004.
117. Diagnosis and management of laryngopharyngeal reflux for the internist. Cleveland Clinic Florida Lecture Series, May 5, 2004.
118. Efficacy of radiofrequency ablation of the tongue base in management of retroglossal obstruction in obstructive sleep apnea syndrome. Presented on my behalf by Lee Akst, MD, Triological Society Meeting, Combined Otolaryngology Spring Meetings (COSM) May 2004.
119. Management of nasal airway obstruction: from minimally invasive techniques to rhinoplasty. Cleveland Clinic CME Conference, June 8, 2004.
120. Minimally invasive facial rejuvenation: Botox, peels and laser. Cleveland Clinic Lecture Series, Cleveland Clinic Hospital, June 9, 2004.
121. Guidelines-based management of allergic disease. Guidelines-based approach to allergic rhinitis: an evolving treatment paradigm. CME Meeting Sponsored by North-Shore—Long Island Jewish Health System, Sonesta Beach Resort, Key Biscayne FL, September 28, 2004.
122. Redefining the role of intranasal steroids in upper airway inflammation. Guidelines-based approach to allergic rhinitis: an evolving treatment paradigm. CME Meeting Sponsored by North-Shore—Long Island Jewish Health System, Sonesta Beach Resort, Key Biscayne FL, September 28, 2004.
123. A new paradigm for antibiotic treatment of respiratory tract infections. The Advanced Nurse Practice Council of Collier County. The Ritz Resort/Tiburón, Naples FL, October 7, 2004.
124. Contemporary management of sinusitis in the acute setting. Emergency Room Physicians of Collier County. The Ritz Resort/Tiburón, Naples FL, October 13, 2004.
125. Pharmacotherapy of sinusitis in an age of bacterial resistance. Keynote lecture to the Southwest Florida Society of Pharmacists. Naples FL, October 21, 2004.
126. Acute Sinusitis. Naples area physicians meeting. November 2, 2004.
127. Diagnosing and treating sinusitis for the primary care practitioner. The Physician Assistant



Council of Collier County, November 4, 2004.

128. Acute Sinusitis. Lee County physicians meeting. November 9, 2004.
129. Moderator, Treatment of Acute Bacterial Sinusitis Panel, The National Acute Bacterial Sinusitis Meeting, Hyatt Regency Resort, Scottsdale AZ, December 4, 2004.
130. Moderator, Sleep Apnea and Snoring Panel, Sisson International Head and Neck Surgery Workshop, sponsored by Vanderbilt University Department of Otolaryngology, Vail CO, February 2005.
131. Improved, mucosa-sparing Uvulopalatopharyngoplasty for obstructive sleep apnea syndrome (OSAS). Sisson International Head and Neck Surgery Workshop sponsored by Vanderbilt University Department of Otolaryngology, Vail CO, February 2005.
132. Radiofrequency Ablation of the Tongue Base for obstructive sleep apnea syndrome (OSAS). Sisson International Head and Neck Surgery Workshop, sponsored by Vanderbilt University Department of Otolaryngology, Vail CO, February 2005.
133. Panelist, Endoscopic Sinus Surgery Panel, Sisson International Head and Neck Surgery Workshop, sponsored by Vanderbilt University Department of Otolaryngology, Vail CO, February 2005.
134. Panelist, Sinusitis Case Management Panel, Sisson International Head and Neck Surgery Workshop, sponsored by Vanderbilt University Department of Otolaryngology, Vail CO, February 2005.
135. "How I Do It." – Botox in office practice. Cleveland Clinic Otolaryngology Symposium, March 17, 2005.
136. TCA and alpha-hydroxy acid peels. Cleveland Clinic Otolaryngology Symposium, March 17, 2005.
137. The nose and nasal surgery in sleep apnea and snoring practice. Cleveland Clinic Otolaryngology Symposium, March 18, 2005.
138. Building a sleep practice in ENT. Cleveland Clinic Otolaryngology Symposium, March 18, 2005.
139. "How I Do It" - UPPP with palatal flap and releasing incisions. Cleveland Clinic Otolaryngology Symposium, March 18, 2005.
140. "How I Do It" – Radiofrequency ablation of the tongue base. Cleveland Clinic Otolaryngology Symposium, March 18, 2005.
141. Anatomy of the lateral nasal wall and its examination. ENT Disorders for the Primary Care Practitioner, March 19, 2005.
142. Sinusitis: update on medical management and surgical options. ENT Disorders for the Primary

- Care Practitioner, March 19, 2005.
143. Nasal and sinus conditions: a case-discussion approach. ENT Disorders for the Primary Care Practitioner, March 19, 2005.
  144. Nasal blockage, congestion and its treatment: a primary-care approach. ENT Disorders for the Primary Care Practitioner, March 19, 2005.
  145. Blepharoplasty and Brow Lift. Cleveland Clinic Community Lecture Series. March 30, 2005.
  146. Management of the rhinoplasty, nasal and sinus patient. Cleveland Clinic Lecture Series, June 3, 2005.
  147. Diagnosis and management of laryngopharyngeal reflux. Cleveland Clinic Lecture Series, June 22, 2005.
  148. Pharyngeal diseases: LPR and beyond. Cleveland Clinic Lecture Series, July 21, 2005.
  149. Pharyngeal dysfunction: from aspiration to Zenker's. Cleveland Clinic Lecture Series, August 11, 2005.
  150. Moderator, Case study discussion in sinus surgery. Sisson International Head and Neck Workshop, Vanderbilt University Medical School, The Lodge at Vail, Vail CO, February 9, 2006.
  151. Panelist, Sinus surgery pearls and pitfalls. Sisson International Head and Neck Workshop, Vanderbilt University Medical School, The Lodge at Vail, Vail CO, February 9, 2006.
  152. Panelist, Sinusitis and its relationship to asthma and allergy. Sisson International Head and Neck Workshop, Vanderbilt University Medical School, The Lodge at Vail, Vail CO, February 9, 2006.
  153. Comprehensive examination of the airway in snoring and sleep apnea patients: decision making for surgery and management. Cleveland Clinic Otolaryngology Symposium, March 17, 2006.
  154. A better UPPP for sleep apnea: Goals and techniques. Palatal Flap/Releasing Incision UPPP with Video. Cleveland Clinic Otolaryngology Symposium, March 17, 2006.
  155. Director, Transnasal Esophagoscopy Lab, March 17, 2006.
  156. "How I Do It" - UPPP with Palatal Flap and Releasing Incisions. Cleveland Clinic Otolaryngology Symposium, March 17, 2006.
  157. "How I Do It" – Radiofrequency Ablation of the Tongue Base. Cleveland Clinic Otolaryngology Symposium, March 17, 2006.
  158. Case Presentations and Panel, moderator. Cleveland Clinic Otolaryngology Symposium, March 17, 2006.

159. Sinus case presentation panel. Cleveland Clinic Otolaryngology Symposium, March 18, 2006.

160. Inflammatory disease processes in chronic sinusitis. Sisson International Head and Neck Surgery Workshop sponsored by Vanderbilt University Department of Otolaryngology, Vail CO, February 2007.
161. Advanced techniques for surgery of the frontal, sphenoid, and ethmoid sinuses. Sisson International Head and Neck Surgery Workshop, sponsored by Vanderbilt University Department of Otolaryngology, Vail CO, February 2007.
162. Sinus case management panel. Sisson International Head and Neck Surgery Workshop sponsored by Vanderbilt University Department of Otolaryngology, Vail CO, February 2007.
163. Reconstruction of the severely distorted nose with soft tissue damage. Cleveland Clinic Otolaryngology Symposium, March 2007.
164. The better mousetrap: improving the technique for uvulopalatopharyngoplasty in obstructive sleep apnea syndrome (OSAS). Cleveland Clinic Otolaryngology Symposium, March 2007.
165. Management of retroglossal obstruction in obstructive sleep apnea syndrome (OSAS). Cleveland Clinic Otolaryngology Symposium, March 2007.
166. The role of otolaryngic allergy in the practice of modern rhinology. Cleveland Clinic Otolaryngology Symposium, March 2007.
167. From bench to bedside: contemporary chemotherapeutics for sinonasal allergies. Naples area physicians lecture, February 7, 2008.
168. Functional rhinoplasty techniques: From valve to vault. The 7th Annual Otolaryngology Symposium, Naples Beach Hotel & Golf Club, Naples FL, 2008.
169. Releasing incision and palatal flap UPPP for obstructive sleep apnea syndrome (OSAS). The 7th Annual Otolaryngology Symposium, Naples Beach Hotel & Golf Club, Naples FL, 2008.
170. Management of retroglossal obstruction: Radiofrequency Ablation of the Tongue Base. The 7th Annual Otolaryngology Symposium, Naples Beach Hotel & Golf Club, Naples FL, 2008.
171. Minimally invasive procedures in obstructive sleep apnea syndrome (OSAS): the tongue base, palate, and beyond. The 7th Annual Otolaryngology Symposium, Naples Beach Hotel & Golf Club, Naples FL, 2008.
172. Techniques for allergy testing and immunotherapy in ENT practice. The 7th Annual Otolaryngology Symposium, Naples Beach Hotel & Golf Club, Naples FL, 2008.
173. Techniques for fluoroscopically guided balloon-catheter dilatation of the frontal sinus in complex revision FESS. The 7th Annual Otolaryngology Symposium, Naples Beach Hotel & Golf Club, Naples FL, 2008.
174. Sleep apnea, snoring, and palatal batten implants. Patient lecture series. 2 lectures given. PRMC, April, 2008.

175. Blepharoplasty & brow lift. Patient lecture series. PRMC, May, 2008.
176. Long-held assumptions in sinus surgery, panelist, The Sinus Forum, Chicago, July 2008.
177. Implementation of allergy in Otolaryngic practice: testing, immunotherapy, asthma and beyond. The 8th Annual Otolaryngology Symposium 2009, The Sawgrass Resort, Ponte Vedra, FL, May 1-3, 2009.
178. Submentoplasty for the aging neck: A specific solution for a targeted problem. The 8th Annual Otolaryngology Symposium 2009, The Sawgrass Resort, Ponte Vedra, FL, May 1-3, 2009.
179. Top-10 things the otolaryngologist needs to know about balloon sinuplasty. The 8th Annual Otolaryngology Symposium 2009, The Sawgrass Resort, Ponte Vedra, FL, May 1-3, 2009.
180. Step-by-step technique for balloon sinus dilation. The 8th Annual Otolaryngology Symposium 2009, The Sawgrass Resort, Ponte Vedra, FL, May 1-3, 2009.
181. Radiation safety and the use of C-Arm fluoroscopy in balloon sinus dilation. The 8th Annual Otolaryngology Symposium 2009, The Sawgrass Resort, Ponte Vedra, FL, May 1-3, 2009.
182. Mucosa sparing UPPP using the releasing-incision, palatal-flap technique. The 8th Annual Otolaryngology Symposium 2009, The Sawgrass Resort, Ponte Vedra, FL, May 1-3, 2009.
183. Management of retroglossal obstruction in obstructive sleep apnea syndrome (OSAS). The 8th Annual Otolaryngology Symposium 2009, The Sawgrass Resort, Ponte Vedra, FL, May 1-3, 2009.
184. Gastroesophageal reflux and extra-esophageal reflux. Physician Lecture Series, 2004-2009. Lecture given to over 40 venues and over 500 health care providers.
185. Diagnosis and management of sinusitis for the primary care practitioner, Physician Lecture Series, 2004-2009. Lecture given to over 70 venues and over 500 health care providers.
186. Management of spasmodic dysphonia with percutaneous botulinum toxin injection of the thyroarytenoid muscle. National Spasmodic Dysphonia Association, support group, Naples Community Health System, January 18, 2014.

## **EDUCATIONAL EXPERIENCE**

1. Preceptor, University of South Florida, Nurse Practitioner Program, 2016.
2. Faculty: The Sinus Forum, 2009-2010.
3. Chairman, Research and Education & CME, Physicians Regional Medical Center, 2006-2008.
4. Cleveland Clinic Head and Neck Institute: Research adviser to Cleveland Clinic Foundation Residents, Lee Akst MD, Christopher Discolo MD, Taha Shipchandler MD, and David Lott MD, on projects in Rhinology, Sleep Apnea, and Head and Neck Pathology.
5. Course Director and Founder, Cleveland Clinic Otolaryngology Symposium; 2002, 2003, 2004, 2005, 2006.
6. Course Director and Founder, New York Head and Neck Institute Otolaryngology Symposium; 2007, 2008.
7. Faculty and moderator at multiple national courses.
8. Frequent guest speaker in Rhinology and Sleep Disorders.
9. Course Director and Founder, ENT Disorders for the Primary Care Practitioner 2003, 2004, 2005.
10. Sponsor of Speech Pathology Internship at Cleveland Clinic Florida—Naples, 2000-2005.
11. Education of rotating medical students and residents, as well as physicians from overseas.
12. Board of Advisors, Southwest Florida College, designed curriculum for ancillary healthcare education programs, training of students on-site At Cleveland Clinic Florida Naples Hospital.
13. Cleveland Clinic Lecture Series for physicians in Southwest Florida.
14. Cleveland Clinic Patient Education Lecture Series.
15. Cleveland Clinic CME Program.

## RESEARCH EXPERIENCE

1. Comparative Efficacy of DNA Sequencing in the diagnosis of bacterial and fungal chronic sinusitis and drug resistance vs. traditional agar based cultures. Ongoing.
2. Efficacy of topical antibiotics, antifungals, and steroids in the treatment of chronic sinusitis.
3. Principle Investigator, Shulman IRB #07-3194-0; Protocol #845 revision b: Randomized placebo control study of the palatal implant system (Pillar®) with CPAP.
4. Principle Investigator, Cleveland Clinic Florida IRB# 8746; Protocol #783: Palatal batten implantation (Pillar®) surgical CPAP clinic study.
5. Principle Investigator, Cleveland Clinic Florida IRB# 8645: Palatal batten implantation (Pillar®) in the management of obstructive sleep apnea syndrome.
6. Principle Investigator, Cleveland Clinic Florida IRB# 8642; Protocol #509: Pillar palatal implant system clinical study for obstructive sleep apnea syndrome.
7. Principle Investigator, Cleveland Clinic Florida IRB MRR#61: Efficacy of radiofrequency ablation of the tongue base in treatment of retroglossal obstruction for obstructive sleep apnea.
8. Laboratory of Wound Healing and Tissue Engineering, Stanford University, California. Laser-induced histological changes in skin, 1998-1999.
9. Department of Otolaryngology, University of California, San Francisco & Division of Bioengineering, UC Berkeley. Outcomes research in facial trauma and mandibular reconstruction. Finite element computer model of the facial skeleton. Biomechanics of implantable materials, 1995-1998.
10. Yale School of Medicine, Division of Otolaryngology, New Haven, CT. Outcomes and prognostic factors in the treatment of hypopharyngeal carcinoma, 1992-1993.
11. National Institutes of Health, National Institute on Deafness and Other Communications Disorders, Laboratory of Neurotology, Bethesda, MD. Localization of GABA-A receptor subunits in the central auditory system, summer, 1990.
12. Albert Einstein College of Medicine, Department of Molecular Pharmacology, Bronx, NY. Characterized Carboxypeptidase-E enzyme kinetics, summer, 1987-88.
13. Roche Institute of Molecular Biology, Nutley, NJ. Characterized promoter region of the Myosin Light Chain II gene, summer, 1986.
14. Nathan Kline Institute, Orangeburg, NY. Analyzed the role of brain dopamine levels on murine open field behavior, 1985.
15. Department of Energy, Plant Research Lab, Michigan State University, East Lansing, MI. Mechanism of graviperception in *avena sativa*, summer 1983.