

CURRICULUM VITAE

BRYAN D. LEATHERMAN, M.D., FAAOA

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EDUCATION AND TRAINING:

Residency

1998-2002 *Otolaryngology - Head and Neck Surgery*
University of Arkansas for Medical Sciences
Little Rock, Arkansas

Internship

1997-1998 *General Surgery*
University of Arkansas for Medical Sciences
Little Rock, Arkansas

Medical School

1993-1997 *Doctor of Medicine*
University of Mississippi School of Medicine
Jackson, Mississippi
Summa Cum Laude (Graduated #1 in class)

Undergraduate

1989-1993 *Bachelor of Science in Microbiology*
Mississippi State University
Starkville, Mississippi
Magna Cum Laude

CERTIFICATION / CREDENTIALS:

2003 Fellow of the American Academy of Otolaryngic Allergy

2003 Board Certification: American Board of Otolaryngology

1998 United States Medical Licensing Examination
Step I, II, and III

LICENSURE

Mississippi Medical License

PROFESSIONAL EXPERIENCE

Staff Appointments

- 2005-present *Staff Physician*
Coastal Sinus and Allergy Center
Coastal Ear, Nose and Throat Associates
Gulfport, Mississippi
- 2005-present *Assistant Professor (Adjunct)*
Department of Otolaryngology-Head and Neck Surgery
University of Arkansas for Medical Sciences,
Little Rock, Arkansas
- 2003-2005 *Assistant Professor*
Department of Otolaryngology-Head and Neck Surgery
University of Arkansas for Medical Sciences,
Little Rock, Arkansas
- 2002-2003 *Staff Physician*
ENT Associates - Hattiesburg Clinic
Hattiesburg, Mississippi

Hospital Affiliations:

Present affiliations

Memorial Hospital of Gulfport
4500 13th Street
Gulfport, Mississippi 39501

Garden Park Medical Center
15200 Community Road
Gulfport, Mississippi 39503

Biloxi Regional Medical Center
150 Reynoir Street
Biloxi, MS 39530

Past affiliations

University of Arkansas for Medical Sciences
Little Rock, Arkansas
Staff Physician/Surgeon
2003-2005

Arkansas Children's Hospital
Little Rock, Arkansas
Staff Physician/Surgeon
2003-2005

Central Arkansas Veterans Healthcare System
Little Rock, Arkansas
Courtesy (without compensation) privileges
2003-2005

Forrest General Hospital
Hattiesburg, Mississippi
Staff Physician/Surgeon
2002-2003

Wesley Medical Center
Hattiesburg, Mississippi
Staff Physician/Surgeon
2002-2003

HONORS:

College

- President's List Scholar
- National Dean's List
- Phi Kappa Phi Honorary
- Gamma Beta Phi Honorary
- Beta Beta Beta Biological Science Honorary
- Omicron Delta Kappa Honorary Society
- University Honors Program
- Mortar Board Scholarship and Service Honorary
- Who's Who Among Students in American Colleges and Universities
- Student Association Cabinet Position: Director of Health and Wellness
- Alumni Delegates member

Medical School

- Dean's Scholarship: Four Year Full Scholarship (1994)
- Charles L. Dodgen Memorial Award (1994)
- Urban/Schwarzenberg Gross Anatomy and Neurobiology Award (1995)
- Dean's Award (1995)
- Raymond A. Alford Memorial Award (1995)
- Norman C. Nelson, M.D. Scholarship (1995)
- W.B. Saunders Medical Physiology Book Award (1995)
- Alpha Omega Alpha (1996)
- Bradley Baker Memorial Scholarship (1996)
- Dean's Award (1996)
- Lange Publications Book Award: Academic Achievement (1996)
- Norman C. Nelson, M.D. Academic Scholarship (1996)
- Rice-Holland Memorial Award for Pharmacology (1996)
- Library Liaison Committee Medical Education Self Study (1996)
- Biochemistry Department Curriculum Review Committee (1996)
- Dean's Award (1997)
- John Houston Wear Foundation Scholarship (1997)
- Louisiana-Mississippi Ophthalmological-Otolaryngological Society Award (1997)
- Medical Student of the Year Award (1997)
- W.S. Leathers Deans Medal for Highest Ranked Graduate (1997)

Residency

- Outstanding Junior Surgery Resident Teaching Award (1998)
- Otolaryngology Resident Research Scientific Excellence Award (2000)
- 10th International Symposium and Workshops on Inner Ear Medicine and Surgery Resident Research Award (2001)
- Otolaryngology Resident Research Special Merit in Scientific Presentation Award (2001)
- American Medical Association Physician's Recognition Award in Continuing Medical Education (2001)

Post-Residency/Professional Awards

- Pen and Scroll Award. In recognition of dedication to quality medical research. Presented by the American Academy of Otolaryngic Allergy At the 2007 annual meeting (2007)
- American Academy of Otolaryngic Allergy Young Leadership Award (2008)
- American Academy of Otolaryngic Allergy Presidents award for dedication to the specialty (2012)
- American Academy of Otolaryngic Allergy "Golden Apple" award for dedication to education in the field of allergy (2012)
- University of Mississippi Department of Otolaryngology-Head and Neck Surgery Research Award. Nida A, **Leatherman B**, Plunkett G, Mire B. Allergen Stability of Testing/Treatment Boards and Immunotherapy Vials with Various Diluents. (2015)

COMMITTEE APPOINTMENTS

National Committees

- American Academy of Otolaryngic Allergy Membership Committee (2000-2002)
- American Academy of Otolaryngic Allergy Academic Core Curriculum Subcommittee (2003)

- American Academy of Otolaryngic Allergy Academic Business Plan Subcommittee (2003)
- American Academy of Otolaryngic Allergy Annual Meeting Task Force (2001-2010)
- Leader: American Academy of Otolaryngic Allergy Sublingual Immunotherapy Review Taskforce (2004)
- American Academy of Otolaryngology – Head and Neck Surgery Self Instruction Packages (SIPac) Faculty (2005)
- American Academy of Otolaryngology – Head and Neck Surgery Allergy and Immunology Committee Member (2005)
- American Academy of Otolaryngic Allergy Fellow Exam Committee (2003-2009)
- Chairman: American Academy of Otolaryngic Allergy Sublingual Immunotherapy Task Force (2005-2015)
- American Academy of Otolaryngic Allergy Objective Dosing Task Force (2006-2007)
- American Academy of Otolaryngic Allergy Continuing Medical Education Curricula Committee (2003-2010)
- Research Committee American Academy of Otolaryngic Allergy Foundation (2007-2009)
- American Academy of Otolaryngic Allergy Membership Committee (2009)
- American Medical Association CPT Advisory Committee Alternate Delegate (2010-2013)
- International relations/collaborations Committee. American Academy of Otolaryngic Allergy (2012-2015)
- Chairman: Evidence Based Sublingual Immunotherapy Task Force, American Academy of Otolaryngic Allergy (2013-2015)
- Bylaws Committee, American Academy of Otolaryngic Allergy (2013-2015)
- Corporate Relations, American Academy of Otolaryngic Allergy (2012-2015)

Local Committees

- Graduate Medical Education Committee, Policy Review Sub-committee
University of Arkansas for Medical Sciences (1999)
- Continuing Medical Education Committee, University of Arkansas for Medical
Sciences (2003 – 2004)
- Surgical Services Board Sub-committee, University of Arkansas for Medical
Sciences (2004-2005)

PROFESSIONAL ASSOCIATIONS

- American Academy of Otolaryngology – Head and Neck Surgery
- American Academy of Otolaryngic Allergy

PROFESSIONAL ORGANIZATION OFFICES:

- American Academy of Otolaryngic Allergy Resident Delegate to the American
Medical Association (2000-2002)
- American Academy of Otolaryngic Allergy Alternate Delegate to the American
Medical Association Young Physicians Section (2002-2003)
- American Academy of Otolaryngic Allergy Instructional Course Academic
Faculty
- President, Arkansas Academy of Otolaryngology – Head and Neck Surgery
(2004-2005)
- American Academy of Otolaryngology – Head and Neck Surgery Board of
Governors Representative for the Arkansas Academy of Otolaryngology – Head
and Neck Surgery (2004)
- American Academy of Otolaryngic Allergy Delegate to the American Medical
Association Young Physicians Section (2003-2010)

- Socioeconomic Chair on Board of Directors, American Academy of Otolaryngic Allergy (2009-2013)
- Secretary on Board of Directors, American Academy of Otolaryngic Allergy (2013-2015)
- Executive Committee on Board of Directors, American Academy of Otolaryngic Allergy (2013-2015)

PROFESSIONAL ASSOCIATION PARTICIPATION (Other)

- American Academy of Otolaryngic Allergy 2004 Strategic Planning Meeting. Park City, Utah, January 23-25, 2004.
- American Academy of Otolaryngic Allergy 2005 Strategic Planning Meeting. Santa Fe, New Mexico, January 14-16, 2005.
- American Academy of Otolaryngic Allergy 2004 Academic Workshop. Dallas, Texas
- American Academy of Otolaryngic Allergy 2005 Academic Workshop. Dallas, Texas
- American Academy of Otolaryngic Allergy 2006 Academic Workshop. Bermuda
- Key Informant for Evidence Based report on "Sublingual Immunotherapy for Allergic Rhinoconjunctivitis and/or Asthma". Johns Hopkins Evidence-based Practice Center (2010)
- Key Informant for Evidence Based report on "Sublingual Immunotherapy for Allergic Rhinoconjunctivitis and/or Asthma". Johns Hopkins Evidence-based Practice Center (2010)
- Technical Expert for an evidence report on "Comparative Effectiveness of Allergen-Specific Immunotherapy for the Treatment of Allergic Rhinoconjunctivitis and/or Asthma". Johns Hopkins University Evidence-based Practice Center (2011)
- Invited Reviewer. Allergen immunotherapy: A practice parameter third update. Cox L, Nelson H, Lockey R, Calabria C, Chacko T, Finegold I, et al. J Allergy Clin Immunol. 2010; Nov 30.

GRANTS/RESEARCH FUNDING

1. Corporate research grant from Osteotech Corporation. Project: *Demineralized Bone Matrix as an Alternative for Mastoid Obliteration and Posterior Canal Wall Reconstruction – Results of an Animal Model*. Principle Investigator. Amount: \$4,000. May 2000.
2. Corporate research grant from Porex Corporation. Project: *Bioactive Glass Ceramic Particles as an Alternative for Mastoid Obliteration*. Principle Investigator. Amount: \$8,300. August 2000.
3. Grant from American Academy of Otolaryngic Allergy. Project: *Comparison of Endolymphatic Sac Histamine Receptors in Meniere's Patients Versus Controls with no History of Endolymphatic Hydrops*. Principle Investigator. Amount: \$5,000. September 2005.

PUBLICATIONS:

1. **Leatherman B**, Dornhoffer J, Fan C, Mukanyadzu P. Demineralized Bone Matrix as an Alternative for Mastoid Obliteration and Posterior Canal Wall Reconstruction – Results in an Animal Model. *Otology & Neurotology*, 2001. **22**:731-36.
2. **Leatherman B**, Dornhoffer J. Bioactive Glass Ceramic Particles as an Alternative for Mastoid Obliteration – Results in an Animal Model. *Otology & Neurotology*, 2002. **23**(5):657-60.
3. **Leatherman B**, Dornhoffer J. The Use of Demineralized Bone Matrix for Mastoid Cavity Obliteration. *Otology & Neurotology*, 2004. **25**(1):22-26.
4. **Bryan D. Leatherman**, Berrylin J. Ferguson, Bradley F. Marple, John H. Krouse, Timothy L. Smith Article: Miniseminar: Chronic rhinosinusitis: The impact of allergic rhinitis management. *Otolaryngology-Head and Neck Surgery*. 01/2004; **131**(2), Page 79.
5. **Leatherman B**, Owen S, Chadwick S, et al. Sublingual Immunotherapy - Past, Present, Paradigm for the Future? A Review of the Literature. *Otolaryngology – Head and Neck Surgery*, 2007. **136**(3) supplement.
6. **Leatherman B**. Preparing the Office for Skin Testing. In: Mabry R, Marple B (Eds.) *IDT and MQT: Quantitative Testing in Otolaryngic Allergy*, Thieme Medical Publishers, Inc. New York, NY.

7. **Leatherman B**, Ryan M. Managing the Patient with Anaphylaxis the. In: Krouse J, Derebery M, and Chadwick, S (Eds.) *Managing the Allergy Patient*, Elsevier
8. **Leatherman B**. Injection and Sublingual Immunotherapy in the Management of Allergies Affecting the Unified Airway. *Otolaryngology Clinics of North America*, 2008. 41:359-374
9. Rodney J. Schlosser, Sarah K. Wise, **Bryan D. Leatherman**, William R. Reisacher. Sublingual Immunotherapy: What's the Latest? *Otolaryngology - Head and Neck Surgery*. 139(2):P25, 2008.
10. Hankin CS. Cox L. Lang D. Bronstone A. Fass P. **Leatherman B**. Wang Z. Allergen immunotherapy and health care cost benefits for children with allergic rhinitis: a large-scale, retrospective, matched cohort study. *Annals of Allergy, Asthma, & Immunology*, 104(1):79-85, 2010 Jan.
11. Lin s, **Leatherman B**. Sublingual Immunotherapy. *Otolaryngologic Clinics of North America*, 44(3):753-64, x-xi, 2011 Jun
12. **Invited Reviewer** for Allergen immunotherapy: a practice parameter third update. *Journal of Allergy & Clinical Immunology*. 127(1 Suppl):S1-55, 2011 Jan.
13. Cox, L., Nelson, H., Lockey, R., Calabria, C., Chacko, T., Finegold, I., Nelson, M., Weber, R., Bernstein, D.I., Blessing-Moore, J., Khan, D.A., Lang, D.M., Nicklas, R.A., Oppenheimer, J., Portnoy, J.M., Randolph, C., Schuller, D.E., Spector, S.L., Tilles, S., Wallace, D., Aaronson, D., Larenas-Linnemann, D., **Leatherman, B.**, Lin, S.Y., Burkes, W., Golden, D., Freeman, T.M., Constable, D., Esch, R., Garner, L., Lankow, R., Plunkett, G., Rabin, R., Greenberger, P., Martin, B. Allergen immunotherapy: A practice parameter third update. *Journal of Allergy and Clinical Immunology* volume 127, issue 1, year 2011, pp. -S55 -
14. Blaiss M, Dykewicz M, Skoner D, Smith N, **Leatherman B**, Craig T, Bielory L, Walstein N, Allen-Ramey F. Diagnosis and treatment of nasal and ocular allergies: the Allergies, Immunotherapy, and RhinoconjunctivitiS (AIRS) surveys. *Annals of Allergy, Asthma, & Immunology*. 112(4):322-8.e1, 2014 Apr.
15. **Leatherman B**. Sublingual Immunotherapy. In: *Allergy in ENT Practice*, Thieme Medical Publishers, Inc. New York, NY. Currently at press (January 2014).
16. Ryan MW, Marple BF, **Leatherman B**, et al. Current practice trends in allergy: results of a united states survey of otolaryngologists, allergist-immunologists, and primary care physicians. *Int Forum Allergy Rhinol*. 2014;4:789-795.
17. Leonard B, Skoner D, Blaiss M, **Leatherman B**, Dykewicz M, Smith N, Ortiz G, Hadley J, Walstein N, Craig T, Allen-Ramey F. Ocular and nasal allergy

- symptom burden in America: The Allergies, Immunotherapy, and Rhinoconjunctivitis (AIRS) surveys. *Allergy and Asthma Proceedings*, Volume 35, Number 3, May/June 2014, pp. 211-218(8).
18. Skoner D, Blaiss M, Dykewicz M, Smith N, **Leatherman B**, Leonard B, Walstein N, Craig T, Allen-Ramey F. The Allergies, Immunotherapy, and Rhinoconjunctivitis (AIRS) Survey: Patients' Experience with Allergen Immunotherapy. *Allergy and Asthma Proceedings*, Volume 35, Number 3, May/June 2014, pp. 219-226(8)
 19. **Leatherman B**, Skoner DP, Hadley JA, et al. The Allergies, Immunotherapy, and Rhinoconjunctivitis (AIRS) survey: provider practices and beliefs about allergen immunotherapy. *Int Forum Allergy Rhinol.* 2014;4:779–788.
 20. **Leatherman BD**. Anaphylaxis in the allergy practice. *IntForum Allergy Rhinol.*, September 2014. Vol. 4, Suppl. 2, S60–S65.
 21. **Leatherman B**, Lin S, et al. Sublingual immunotherapy dosing. Evidence based review with recommendations. *Int Forum Allergy Rhinol.* Accepted for publication. Awaiting print date.
 22. Nida A, **Leatherman B**, Plunkett G, Mire B. Allergen Stability of Testing/Treatment Boards and Immunotherapy Vials with Various Diluents. *Int Forum Allergy Rhinol.* Accepted for publication, awaiting print date.

LITERATURE REVIEW BOARDS

1. Reviewer of manuscripts for the journal *Otolaryngology – Head and Neck Surgery* (2007)
2. Manuscript reviewer: *International Forum of Allergy and Rhinology* (2011-2013)

SCIENTIFIC PRESENTATIONS:

1. “*Demineralized Bone Matrix as an Alternative for Mastoid Obliteration and Posterior Canal Wall Reconstruction – Results in an Animal Model.*”, Sixth International Conference on Cholesteatoma and Ear Surgery, Cannes, France, July 2000
2. “*Evaluation of Bioactive Glass Ceramic Particles for Ototoxicity Results in a Rodent Model.*”, 10th International Symposium and Workshops on Inner Ear Medicine and Surgery, Aspen, Colorado, March, 2001

3. "*Demineralized Bone Matrix as an Alternative for Mastoid Obliteration and Posterior Canal Wall Reconstruction – Results in an Animal Model and Early Clinical Results.*", Combined Otolaryngological Society Spring Meetings, American Otological Society, Palm Desert, California, May, 2001
4. "*Bioactive Glass Ceramic Particles as an Alternative for Mastoid Obliteration – Results in an Animal Model.*", Combined Otolaryngological Society Spring Meetings, American Otological Society, Boca Raton, Florida, May, 2002
5. "*The Allergies, Immunotherapy and Rhinoconjunctivitis(AIRS) Provider Survey: Otolaryngology Results*" American Academy of Otolaryngic Allergy Annual Scientific Meeting, Vancouver, Canada, September, 2013
6. "*Antigen Stability of Testing/Treatment Boards and Immunotherapy Vials with Various Diluents*" American Academy of Otolaryngic Allergy Annual Scientific Meeting, Orlando, Florida, September, 2014

CURRENT RESEARCH PROJECTS

1. Allergy, Immunotherapy and Rhinoconjunctivitis Survey (AIRS). Consultant on survey steering committee.
2. Differences in antigen preservation ability between saline, phenolated saline, glycerin and human serum albumin.
3. Comparison of antigen preservation using human serum albumin and alternative proteins.
4. Deposition of aerosolized nasal steroid products in post-operative sinus cavities.

INVITED LECTURES/COURSES/PROFESSORSHIPS/PANELS

1. Moderator; General Scientific Session American Academy of Otolaryngic Allergy Annual Meeting, San Diego, California, September, 2002.
2. Guest Lecturer; "Bacterial Rhinosinusitis", University of Arkansas for Medical Sciences, Department of Family Medicine, Resident Conference, August, 2003.
3. Symposium Moderator; "Intranasal Steroids and Chronic Sinusitis", American Academy of Otolaryngic Allergy Annual Meeting, Orlando, Florida, September, 2003.

4. Guest Lecturer: “Rhinosinusitis”, University of Arkansas for Medical Sciences, Master's Level Family Nurse Practitioner students (simultaneous telecast to Fayetteville nurse masters students), Little Rock, AR, October 9, 2003.
5. Guest Lecturer: “Allergic Rhinitis”, University of Arkansas for Medical Sciences, Master's Level Family Nurse Practitioner students (simultaneous telecast to Fayetteville nurse masters students), Little Rock, AR, October 9, 2003.
6. Invited Lecture; “Allergy Skin and In Vitro Testing Update.” American Academy of Otolaryngic Allergy Academic Weekend Workshop, Dallas (at Las Colinas), TX, March 26-28, 2004.
7. Invited Lecture; “The Scientific Basis of Food Allergy.” American Academy of Otolaryngic Allergy Academic Weekend Workshop, Dallas (at Las Colinas), TX, March 26-28, 2004.
8. Invited Lecture; “Better Upper Respiratory Disease and Allergy Care: Improving Outcomes and Communication Among the Family Physician, Otolaryngologist, and Patient”, 2004 Annual Meeting of the Alabama Academy of Family Physicians, San Destin, FL, June 27, 2004.
9. Course faculty lecture “Important Characteristics of Allergens and Preparation of Antigen Extracts”, American Academy of Otolaryngic Allergy 2004 Basic Course in Otolaryngic Allergy and Immunology, Boston, Massachusetts, July 8-11, 2004.
10. Course faculty lecture “Principles and Mechanisms of Immunotherapy”, American Academy of Otolaryngic Allergy 2004 Basic Course in Otolaryngic Allergy and Immunology, Boston, Massachusetts, July 8-11, 2004.
11. Course faculty lecture “The Scientific Basis of Food Allergies”, American Academy of Otolaryngic Allergy 2004 Basic Course in Otolaryngic Allergy and Immunology, Boston, Massachusetts, July 8-11, 2004.
12. Instructional Course “Anaphylaxis in the Allergy Practice: Recognition and Management”, American Academy of Otolaryngic Allergy 2004 Annual Meeting, New York, New York, September 17, 2004.
13. Moderator Miniseminar “Chronic Rhinosinusitis: The Impact of Allergic Rhinitis Management”, American Academy of Otolaryngology – Head and Neck Surgery 2004 Annual Meeting, New York, New York, September 20, 2004.
14. Guest Lecturer: “Rhinosinusitis”, University of Arkansas for Medical Sciences, Master's Level Family Nurse Practitioner students, Little Rock, AR, October 7, 2004.

15. Guest Lecturer: “Allergic Rhinitis”, University of Arkansas for Medical Sciences, Master's Level Family Nurse Practitioner students, Little Rock, AR, October 7, 2004.
16. Invited Lecture; “Sublingual Immunotherapy.” American Academy of Otolaryngic Allergy Academic Weekend Workshop, Dallas (at Las Colinas), TX, April 14-17, 2005.
17. Course faculty lecture “The Scientific Basis of Food Allergies”, American Academy of Otolaryngic Allergy 2005 Basic Course in Otolaryngic Allergy and Immunology, Quebec City, Canada, July 16, 2005.
18. Course faculty lecture “Allergy Testing and Treatment Safety”, American Academy of Otolaryngic Allergy 2005 Basic Course in Otolaryngic Allergy and Immunology, Quebec City, Canada, July 16, 2005.
19. Course faculty lecture “Starting Your Allergy Practice”, American Academy of Otolaryngic Allergy 2005 Basic Course in Otolaryngic Allergy and Immunology, Quebec City, Canada, July 17, 2005.
20. Coarse Faculty Lectures, American Academy of Otolaryngic Allergy 2005 Advanced Course in Otolaryngic Allergy and Immunology. December 2005.
21. Guest Lecturer. Three lectures on: allergy injection immunotherapy, sublingual immunotherapy and in vitro allergy testing. Madigan Army Hospital. Tacoma, Washington. August 4, 2006.
22. Instructional Course “Anaphylaxis in the Allergy Practice: You can cause it, can you treat it?”, American Academy of Otolaryngic Allergy 2006 Annual Meeting, Toronto, Canada, September, 2006.
23. Sublingual Immunotherapy Panel Speaker, American Academy of Otolaryngic Allergy 2006 Annual Meeting, Toronto, Canada, September, 2006.
24. Course Faculty Lectures, American Academy of Otolaryngic Allergy 2005 Advanced Course in Otolaryngic Allergy and Immunology. December 2006.
25. Speaker and Moderator. Sublingual Immunotherapy Panel. American Academy of Otolaryngic Allergy 2007 Annual Meeting, Washington, DC, September 2007.
26. Instructional Course “Anaphylaxis in the Allergy Practice: Recognition and Management”, American Academy of Otolaryngic Allergy 2007 Annual Meeting, Washington, DC, September 2007.

27. Instructional Course “Sublingual Immunotherapy, The AAOA Way”, American Academy of Otolaryngic Allergy 2007 Annual Meeting, Washington, DC, September 2007.
28. Moderator for Webinar CME event “Patient-based Treatment for Allergic Rhinitis”. May 29, 2008.
29. Instructional Course “Anaphylaxis in the Allergy Practice: Recognition and Management”, American Academy of Otolaryngic Allergy 2008 Annual Meeting.
30. Instructional Course “Sublingual Immunotherapy, The AAOA Way”, American Academy of Otolaryngic Allergy 2008 Annual Meeting.
31. Instructional Course “Ocular Allergy”, American Academy of Otolaryngic Allergy 2008 Annual Meeting.
32. Course Faculty. 2009 American Academy of Otolaryngic Allergy Basic Allergy and Immunology Course. July 2009, Vail, Colorado.
33. Instructional Course “Anaphylaxis in the Allergy Practice: Recognition and Management”, American Academy of Otolaryngic Allergy 2009 Annual Meeting.
34. Instructional Course “Sublingual Immunotherapy”, American Academy of Otolaryngic Allergy 2009 Annual Meeting.
35. Instructional Course “Ocular Allergy”, American Academy of Otolaryngic Allergy 2009 Annual Meeting.
36. Workshop “Sublingual Immunotherapy”, American Academy of Otolaryngic Allergy 2009 Annual Meeting.
37. Journal Club Panelist, American Academy of Otolaryngic Allergy 2009 Annual Meeting.
38. Workshop Instructor “Sublingual Immunotherapy”, American Academy of Otolaryngic Allergy 2010 Annual Meeting, Boston, MA.
39. Instructional Course “Ocular Allergy”, American Academy of Otolaryngic Allergy 2010 Annual Meeting, Boston, MA.
40. Instructional Course “Anaphylaxis in the Allergy Practice: Recognition and Management”, American Academy of Otolaryngic Allergy 2010 Annual Meeting, Boston, MA.
41. Instructional Course “Penicillin Allergy Testing”, American Academy of Otolaryngic Allergy 2010 Annual Meeting, Boston, MA.

42. Moderator Sublingual Immunotherapy Panel, American Academy of Otolaryngic Allergy 2010 Annual Meeting.
43. Guest lecturer, University of Arkansas for Medical Sciences Otolaryngology Resident Allergy Course. August 20 – 21, 2010. Little Rock Arkansas.
44. Workshop Instructor “Sublingual Immunotherapy”, American Academy of Otolaryngic Allergy 2011 Annual Meeting, San Francisco, CA
45. Instructional Course “Ocular Allergy”, American Academy of Otolaryngic Allergy 2011 Annual Meeting, San Francisco, CA
46. Instructional Course “Anaphylaxis in the Allergy Practice: Recognition and Management”, American Academy of Otolaryngic Allergy 2011 Annual Meeting, San Francisco, CA
47. Instructional Course “Penicillin Allergy Testing”, American Academy of Otolaryngic Allergy 2011 Annual Meeting, San Francisco, CA
48. Presenter Immunotherapy Antigen Panel, American Academy of Otolaryngic Allergy 2011 Annual Meeting, San Francisco, CA
49. Webinar Presenter: “Penicillin Allergy Testing” for ALK Abello (2011)
50. Panelist Immunotherapy Escalation Panel, American Academy of Otolaryngic Allergy 2012 annual meeting, Washington, DC
51. Instructional Course “Anaphylaxis in the Allergy Practice: Recognition and Management”, American Academy of Otolaryngic Allergy 2012 Annual Meeting, Washington, DC
52. Workshop Moderator and Instructor “Sublingual Immunotherapy”, American Academy of Otolaryngic Allergy 2012 Annual Meeting, Washington, DC
53. Workshop Moderator and Instructor “Sublingual Immunotherapy”, American Academy of Otolaryngic Allergy Annual Scientific Meeting, Vancouver, Canada, September, 2013
54. Panelist “Controversies in Immunotherapy”, Academy of Otolaryngic Allergy Annual Scientific Meeting, Vancouver, Canada, September, 2013
55. Instructional Course “Anaphylaxis in the Allergy Practice: Recognition and Management”, Academy of Otolaryngic Allergy Annual Scientific Meeting, Vancouver, Canada, September, 2013

56. Web-based educational video for Medscape Education, “Discussion of Key Data on Immunotherapy for Allergic Diseases.” September, 2013
57. Penicillin Allergy Testing Instructional Course. Resident Allergy Course. University of Arkansas for Medical Sciences, Department of Otolaryngology - Head and Neck Surgery, Little Rock, Arkansas, August 23, 2014.
58. Instructional Course “Anaphylaxis in the Allergy Practice: Recognition and Management”, Academy of Otolaryngic Allergy Annual Scientific Meeting, Orlando, Florida, September, 2014.
59. Workshop Moderator and Instructor “Sublingual Immunotherapy”, American Academy of Otolaryngic Allergy Annual Meeting, Orlando, Florida, September 2014
60. Instructional Course “Penicillin Allergy Testing: Simple and In Demand”, American Academy of Otolaryngic Allergy Annual Meeting, Orlando, Florida, September 2014
61. Webinar Instructor: "*Offering Penicillin Allergy Testing*", for The Association of Otolaryngology Administrators, September, 25, 2014

CURRICULUM / EDUCATION DEVELOPMENT

1. Produced slide lecture entitled “Anaphylaxis Reognition and Management” for inclusion in the American Academy of Otolaryngic Allergy’s Resident Core Curriculum Lecture Series. January 2004
2. Produced slide lecture entitled “The Scientific Basis of Food Allergy” for inclusion in the American Academy of Otolaryngic Allergy’s allergy courses. March 2004
3. Produced slide lecture entitled “Sinonasal causes of headache” for resident lectures and to deliver to primary care physicians. August 2004
4. Course Director, Arkansas Academy of Otolaryngology – Head and Neck Surgery, 2004 Arkansas Otolaryngology Conference, Little Rock, Arkansas, October 8-10, 2004.
5. Produced slide lecture entitled "Sublingual Immunotherapy", for inclusion in the American Academy of Otolaryngic Allergy’s allergy courses.

6. Produced oral exam vignette for the Fellowship Oral Exam for the American Academy of Otolaryngic Allergy's Educational Fellowship program.
7. Served as oral examiner for the Fellowship Oral Exam for the American Academy of Otolaryngic Allergy's Educational Fellowship program, (yearly from 2004 - 2012).
8. Served as oral examiner for the Fellowship Oral Exam for the American Academy of Otolaryngic Allergy's Educational Fellowship program, Orlando, Florida, September, 2014.

MEDICAL STUDENT / RESIDENT LECTURES

1. Otolaryngology Resident Lecture "Anaphylaxis" October 7, 2003. University of Arkansas for Medical Sciences.
2. Medical student lecture "Allergic Rhinitis" University of Arkansas for Medical Sciences, November 10, 2003.
3. Medical student lecture "Bacterial Rhinosinusitis" University of Arkansas for Medical Sciences, November 10, 2003.
4. Medical student lecture "Bacterial Rhinosinusitis" University of Arkansas for Medical Sciences, March 8, 2004.
5. Guest Lecturer: "Allergic Rhinitis", University of Arkansas for Medical Sciences, Internal Medicine Resident Conference. Little Rock, AR, March 1, 2004.
6. Guest Lecturer: "Bacterial Rhinosinusitis", University of Arkansas for Medical Sciences, Internal Medicine Resident Conference. Little Rock, AR, March 8, 2004.
7. Staff for Otolaryngology Journal Club, University of Arkansas for Medical Sciences, April 15, 2004
8. Otolaryngology Resident Lecture "Evaluation and Management Billing Compliance", August 5, 2004. University of Arkansas for Medical Sciences
9. Staff for Otolaryngology Grand Rounds, University of Arkansas for Medical Sciences, September 14, 2004.
10. Medical student lecture "Allergic Rhinitis" University of Arkansas for Medical Sciences, October 11, 2004.

11. Medical student lecture “Bacterial Rhinosinusitis” University of Arkansas for Medical Sciences, October 11, 2004.
12. Journal Club moderator University of Arkansas for Medical Sciences Otolaryngology residency program, October 21, 2004.
13. Otolaryngology Resident lecture “Wegener’s Granulomatosis” University of Arkansas for Medical Sciences, November 16 2004.
14. Medical student lecture “Introduction to Otolaryngology” University of Arkansas for Medical Sciences, November 29, 2004.
15. Developed and delivered two day allergy course for otolaryngology residents. University of Arkansas for Medical Sciences Resident Allergy Course. August 20 – 21, 2010. Little Rock Arkansas.

COMMUNITY OUTREACH / EDUCATION

1. Medical consultant for newspaper articles “The Nose Knows” and “Medical Science Steps in When Sense of Smell is Lost”. *Arkansas Democrat Gazette*, November 24, 2003.
2. Radio interview on allergic rhinitis. B98 radio station. Interviewer: Scott Thrower. February 27, 2004.
3. Radio interview on allergic rhinitis. B98 radio station. Interviewer: Scott Thrower. March 19, 2004.
4. Community Seminar “Get into the Allergy Free Zone” lecture entitled “Management of Allergic Rhinitis”. University of Arkansas for Medical Sciences, Little Rock, AR, March 6, 2004.
5. Medical consultant for the May 29, 2004 episode of the radio program “Here’s to your Health” produced by the University of Arkansas for Medical Sciences. The segment covered the topic of inhalant allergies.
6. Medical consultant for television program “Arkansas Today” covering the topic of allergic rhinitis. KTHV Channel 11, Little Rock, AR, April 7, 2004.
7. Medical consultant for television program “KARK 4 Today” covering the topic of allergies. KARK Channel 4, Little Rock, AR, April 8, 2004.

8. Medical consultant for television program “Good Morning Arkansas” covering the topic of allergic rhinitis. KATV Channel 7, Little Rock, AR, April 14, 2004.
9. Medical consultant for newspaper articles “Weather... or not” and “Common sense big step in dodging some ailments”. *Arkansas Democrat Gazette*, April 26, 2004.
10. Medical consultant for television program “Daybreak” covering colds and influenza, KATV Channel 7, Little Rock, AR, October 1, 2004.
11. Invited speaker “Sinonasal Causes of Headaches” Middleton Navy Base, Memphis, TN, March 2005.
12. Invited speaker “Sinonasal Causes of Headaches”, Primary Care group, Memphis, TN, March 2005.
13. Invited speaker “Sinonasal Causes of Headaches”, Primary Care group, Ocean Springs, MS, November 2005.
14. Invited speaker “Sinonasal Causes of Headaches”, Primary Care group, Biloxi, MS, December 2005.
15. Hearing Screenings for St. James Elementary School. Fall 2008 - 2014
16. Suturing Course. Memorial Hospital nurse practitioners. Spring 2015.