

CURRICULUM VITAE
Marshall E. Smith, M.D.

I. PERSONAL DATA

Date of Birth:	April 27, 1955
Place of Birth:	Denver, Colorado
Citizenship:	United States
Utah Physician Lic:	97-333284-1205
Colorado Physician Lic:	30879

II. EDUCATION

1973-79	B.S.	Brigham Young University Provo, UT
1980-84,	M.D.	University of Illinois College of Medicine
1984-86	Internship/ Residency	St. Joseph Hospital, Department. of Surgery, Denver, CO
1986-90	Residency	University of California Division of Head and Neck Surgery, Los Angeles, CA
1990-91	Fellowship	Children's Hospital Medical Center Department of Otolaryngology, Cincinnati, OH

III. PROFESSIONAL EXPERIENCE

1997-1998	Assistant Professor	University of Utah School of Medicine Division of Otolaryngology/Head and Neck Surgery Salt Lake City, UT
1998-present	Associate Professor	University of Utah School of Medicine Division of Otolaryngology/Head and Neck Surgery Salt Lake City, UT
1991-1997	Assistant Professor	University of Colorado Health Sciences Center Dept. of Otolaryngology Head & Neck Surgery Denver, CO

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1994-1997 Adjunct University of Colorado
Assistant Professor Dept. of Communicative Disorders & Speech Science
Boulder, CO

1991-1997 Staff The Children s Hospital
Physician Department of Otolaryngology/Head & Neck Surgery
Denver, CO

1991-1997 Staff Rose Medical Center
Physician Division of Otolaryngology
Denver, CO

1991-1997 Staff University Hospital
Physician Department of Otolaryngology/Head & Neck Surgery
Denver, CO

1991-Present Research The Denver Center for the Performing Arts
Associate Wilbur James Gould Voice Research Center
Denver, CO

1992-Present Affiliate National Center for Voice and Speech
Denver, CO

CERTIFICATION

1985 Diplomate National Board of Medical Examiners

1990 Diplomate American Board of Otolaryngology

IV. SCHOLASTIC HONORS

1972 Eagle Scout

1979 BS with High Honors

1979 Sigma Pi Sigma

1981-83 State of Illinois General Assembly Scholarship

1984 Who's Who in American Colleges and Universities

1989 Second Place - Resident Research competition, Basic Science Category,
Association for Research in Otolaryngology

V. ADMINISTRATIVE EXPERIENCE

- 1992-96 Tracheotomy Committee - The Children's Hospital
1996 Medical Records Committee - The Children's Hospital

VI. PROFESSIONAL COMMUNITY ACTIVITIES

- 1992-94 Tonsil/Adenoid Committee - American Academy of Otolaryngology/
Head & Neck Surgery
1999 -2001 Membership Committee – American Society of Pediatric Otolaryngology
Committee Chair, 2000-2001
1999 Ad Hoc Committee on ACS recognition – American Society of Pediatric
Otolaryngology
2000 –pres Ad Hoc Reviewer, Small Grant R03 Committee, National Institute on
Deafness and other Communication Disorders
2001- pres Information-Technology Committee Chairperson – America Society of
Pediatric Otolaryngology
2003 Editorial Board member, *Journal of Voice*

VII. UNIVERSITY COMMUNITY ACTIVITIES

- 2001-Present Senator, University of Utah Academic Senate

VIII. MEMBERSHIPS IN PROFESSIONAL SOCIETIES

- 1990-Present Fellow American Academy of Otolaryngology/Head & Neck Surgery
1994-Present Specialty American Academy of Pediatrics
Fellow
1988-Present Associate Acoustical Society of America
Member
1994-Present Member The Voice Foundation
1995-Present Fellow American Society of Pediatric Otolaryngology
1995-Present Member American Cleft Palate-Craniofacial Association
1996-Present Member American Speech-Language-Hearing Association
1999-Present Fellow American College of Surgeons

IX. TEACHING RESPONSIBILITIES/ASSIGNMENTS

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1997-	UUMC	Otolaryngology Head & Neck Surgery resident teaching in clinic, operating room, and conferences (includes 2-3 lectures)
1997-	UUMC	Medical student clerkship teaching and lectures
1999	UUMC	Instructor, Voice Disorders Course for Speech Pathology
1991-96	UCHSC	Otolaryngology Head & Neck Surgery resident teaching in clinic, operating room, and conferences (includes 2-3 lectures)
1991-96	UCHSC	Medical student clerkship teaching and lectures
1992-96	CU	Boulder speech pathology student lectures (3 times/yearly)
1993-96	UCHSC	Pediatric resident teaching in clinic
1994-98	CU	Committee member for a doctoral student in speech pathology
2002-2003	UofU	Committee member for a doctoral student in bioengineering

X. GRANTS AND AWARDS

1998-2003 Principle Investigator, Mentored Clinical Scientist Development Award, National Institute of Deafness and Communication Disorders/NIH, Phonation and Phonatory Control in Vocal Tremor, Total Direct Costs-\$455,000

XI. BIBLIOGRAPHY

A. Papers

1. Smith ME, Robinson KE, Strong WJ. Intelligibility and quality of linear predictor and eigenparameter coded speech. Institute of Electrical and Electronics Engineers (I.E.E.E.) *Transactions on Acoustics, Speech, and Signal Processing*, 29:391-95, 1981.
2. Smith ME, Canalis RF. Otologic manifestations of AIDS: the otosyphilis connection. *Laryngoscope* 99:365-72, 1989.
3. Smith ME, Morgan MT. Angioedema of the head and neck and angiotensin converting enzyme inhibitors. *Otolaryngol Head Neck Surg* 101:93-5, 1989.

4. Smith ME, Calcaterra TC. Frontal sinus osteoma. *Ann Otol Rhinol Laryngol* 98:896-900, 1989.
5. Smith ME, Kimball EL. "I fell among cutthroats" - Spencer W. Kimball and cancer of the larynx. *J Collegium Aesculapium* 5:15-25,1990.
6. Smith ME, Berke GS. Effects of phonosurgery on laryngeal vibration: part 1 -- theoretic considerations. *Otolaryngol Head Neck Surg* 103:380-90,1990.
7. Smith ME, Green DC, Berke GS. Pressure-flow relationships in the canine larynx. *J Voice*, 5:10-17,1991.
8. Berke GS, Green DC, Smith ME, Arnstein DA, Honrubia V, Natividad M, Conrad WA. Experimental evidence in the *in vivo* canine for a collapsible tube model of phonation. *J Acoust Soc Am* 89:1358-63,1991.
9. Friduss ME, Mickel RA, Smith ME, Zimmerman MC, Tartell PB. Computer assisted instruction in otolaryngology: Use of a database for examination review. *Otolaryngol Head Neck Surg* 105:723-726,1991.
10. Smith ME, Berke GS, Gerratt BR, Kreiman J. Laryngeal paralyses: theoretical considerations and effects on laryngeal vibration. *J Speech Hear Res* 35:545-554,1992.
11. Bredenkamp JM, Smith ME, Dudley JP, Williams JC, Crumley RL, Crockett DM. Otolaryngologic manifestations of the mucopolysaccharidoses. *Ann Otol Rhinol Laryngol*, 101:472-478,1992.
12. Berke GS, Smith ME. Intraoperative measurement of the elastic modulus of the vocal fold. Part 2. Preliminary results. *Laryngoscope* 102:770-778,1992.
13. Smith ME, Mortelliti AJ, Cotton RT, Myer CM. Phonation and swallowing considerations in pediatric laryngotracheal reconstruction. *Ann Otol Rhinol Laryngol*, 101:731-738,1992.
14. Smith ME, Marsh JH, Cotton RT, Myer CM. Voice problems after pediatric laryngotracheal reconstruction: videolaryngostroboscopic, acoustic, and perceptual assessment. *Int J Ped Otorhinolaryngol* 25:173-181,1993.
15. Smith ME. Spasmodic dysphonia and laryngeal botulinum toxin injection. *West J Med* 159:74,1993.

16. Kummer AW, Myer CM, Smith ME, Shott SR. Changes in nasal resonance secondary to adenotonsillectomy. *Am J Otolaryngol*, 14:285-290,1993.
17. Smith ME, Darby KP, Kirchner K, Blager FB. Simultaneous functional laryngeal stridor and functional aphonia in an adolescent. *Am J Otolaryngol*, 5:366-369,1993.
18. Cotton RT, Myer CM, O Connor DM, Smith ME. Pediatric laryngotracheal reconstruction with cartilage grafts and endotracheal tube stenting: the single stage approach. *Laryngoscope*, 105:818-821, 1995.
19. Smith ME, Ramig LO, Dromey C, Perez KS, Samandari R. Intensive voice treatment in Parkinson disease: laryngostroboscopic findings. *J Voice*, 9:453-459, 1995.
20. Perez KS, Ramig LO, Smith ME, Dromey C. The Parkinson larynx: tremor and videostroboscopic findings. *J Voice*, 10:354-361, 1996.
21. Gray SD, Smith ME, Schneider H. Voice disorders in children. *Pediatr Clin North Am*, 43:1357-1384,1996.
22. Reilly J, Thompson J, MacArthur C, Pransky S, Beste D, Smith M, Gray S, Manning S, Walter M, Derkay C, Muntz H, Friedman E, Myer CM, Seibert R, Riding K, Cuyler J, Todd, W, Smith R. Pediatric aerodigestive foreign body injuries are complications related to timeliness of diagnosis. *Laryngoscope* 107:17-20, 1997.
23. Countryman S, Hicks J, Ramig L, Smith M. Supraglottal hyperadduction in an individual with Parkinson disease: a clinical treatment note. *Am J Speech Lang Path* 6:74-84, 1997.
24. Baker KK, Ramig LO, Luschei ES, Smith ME. Thyroarytenoid muscle activity associated with hypophonia in Parkinson's disease and aging. *Neurology*, 51:1592-8, 1998.
25. Luschei E, Ramig LO, Baker KL, Smith ME. Discharge characteristics of laryngeal single motor units during phonation in young and older adults, and in persons with Parkinson's disease. *J Neurophysiol*, 81:2131-9, 1999.
26. Smith ME, Ford CN. Resistance to botulinum toxin injections for spasmodic dysphonia. *Arch Otolaryngol Head Neck Surg*, 126:533-535,

2000.

27. Baker KK, Ramig LO, Sapir S, Luschei ES, Smith ME. Control of vocal loudness in adults. *J Speech Lang Hear Res* 44:297-305, 2001.
28. Smith ME, Berke GS, Gray SD, Dove H. Clicking in the throat: cinematic fiction or surgical fact? *Arch Otolaryngol Head Neck Surg*, 127: 1129-1131, 2001.
29. Ramig LO, Gray SD, Baker K, Corbin-Lewis K, Buder E, Luschei E, Coon H, Smith ME. The Aging Voice: A Review, Treatment Data and Familial and Genetic Perspectives. *Folia Phoniatica et Logopaedica* 53:5:252-265, 2001.
30. Smith ME, Gray SD, Muntz HR. Surgical treatment of adenoidectomy complications: velopharyngeal inadequacy and nasopharyngeal stenosis. *Operative Techniques in Otolaryngol Head Neck Surg*. 13(1): 98-102, 2002.
31. Thibeault SL, Gray SD, Li W, Ford CN, Smith ME, Davis RK. Genotypic and phenotypic expression of vocal fold polyps and Reinke's edema. *Ann Otol Rhinol Laryngol* 111(4):302-309, 2002.
32. Smith ME, Gray SD. Laryngeal developmental anatomy and physiology. Special Interest Division 3 (VOICE) newsletter. American Speech-Language Hearing Association, 12 (1): 4-7, March 2002.
33. Titze IR, Story B, Smith M, Long R. A reflex resonance model of vocal vibrato. *J Acoust Soc Am* 111(5 Pt1):2272-82, 2002.
34. Pelton RW, Smith ME, Patel BCK, Kelly SM. Cosmetic considerations in surgery for orbital subperiosteal abscess in children: experience with a combined transcaruncular and transnasal endoscopic approach. *Arch Otolaryngol Head Neck Surg*, 129:652-655, 2003.
35. Jepsen MC, Gurushanthaiah D, Roy N, Smith ME, Gray SD, Davis RK. Voice, speech, and swallowing outcomes in laser-treated laryngeal cancer. *Laryngoscope*. 2003 Jun;113(6):923-8, 2003.

B. Abstracts

1. Smith ME, Berke, GS. Pressure-flow relationships in the canine larynx. *J Acoust Soc Am* 85 S(1)-147, 1989.
2. Green DA, Berke GS, Smith ME, Conrad WA, Natividad M. An

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experimental design for testing the validity of the collapsible tube model of the larynx. *J Acoust Soc Am* 85 S(1)-147, 1989.

3. Smith ME, Berke GS. The effect of phonosurgery on laryngeal vibration: theoretical considerations. *Otolaryngol Head Neck Surg* 101(2), 161, 1989.
4. Arnstein DA, Berke GS, Gerratt B, Smith ME. Pressure/flow measurements during palatal oscillations. *Otolaryngol Head Neck Surg* 101(2), 204, 1989.
5. Green DC, Smith ME, Berke GS, McGowan RS. The effect of gas density on glottal vibration and exit jet particle velocity. *J Acoust Soc Am* 88 S(1),150, 1990.
6. Smith ME, Gerratt BR, Berke GS. Theoretical considerations in laryngeal paralyses and their effect on laryngeal vibration. *J Acoust Soc Am* 88 S(1),152-3, 1990.
7. Smith ME, O'Connor DM, Cotton RT. Endolaryngeal trauma associated with long-term endolaryngeal stents. *Otolaryngol Head Neck Surg* 105:206, 1991.
8. Smith ME, Titze IR, Ramig LO. Theoretical considerations in production of vocal tremor. *Otolaryngol Head Neck Surg* 115:142, 1996.

C. Chapters

1. Smith ME, Gray SD. Laryngeal Framework Surgery in Children. In *Advances in Otolaryngology/Head and Neck Surgery*, (ed. Myers E, Bluestone C, Krause C, Brackmann D), Mosby/Year-Book, St. Louis, MO, Vol. 8, 1994, pg. 91-106.
2. Smith ME, Ramig LO. Neurological Disorders and the Voice. In *Diagnosis and Treatment of Voice Disorders*, (ed. Rubin JS, Korovin G, Sataloff R, Gould WJ), Igaku-Shoin, New York, 1995, pg. 203-224.
3. Smith ME, Gray SD. Voice. In *Pediatric Otolaryngology*, 3rd edition, (ed. Bluestone CD, Stool SE, Kenna M), WB Saunders, Philadelphia, 1996, pg. 1261-1274.
4. Lewark TM, Smith ME. The Pediatric Airway. In *ENT Secrets*, (ed. Jafek BW, Stark AK), Hanley & Belfus, Philadelphia, 1996, pg 321-325.
5. Smith ME, Canalis RF. Ootosyphilis and Otologic Manifestations of AIDS. In

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The Ear: Comprehensive Otolology, (ed. Canalis RF, Lambert PR), Lippincott Williams & Wilkins, Philadelphia, 2000, pg 587-600.

6. Smith ME, Gray SD, Zimmerman JP. Velopharyngeal Inadequacy. In *Facial Plastic and Reconstructive Surgery – 2nd edition*, Papel ID, Nachlas N, Sykes J, et al , eds., Thieme Publisher, New York, 2002, pg 873-888.
7. Smith ME, Ramig LO. Neurological Disorders and the Voice. In *Diagnosis and Treatment of Voice Disorders, 2nd edition*, (ed. Rubin JS, Sataloff R, Korovin G), Thomson / Delmar Learning, New York, 2002, pg 409-433.
8. Smith ME, Gray SD. Voice. In *Pediatric Otolaryngology*, 4th edition, (ed. Bluestone CD, Stool SE, Alper C, Arjmand E, Casselbrant M, Dohar J, Yellon R), WB Saunders, Philadelphia, 2003, pg 1421-1435.

D. Research Paper Presentations

1. Smith ME, Strong WJ: Intelligibility results of linear predictor coded speech. Presented at the Utah Academy of Sciences, Arts, and Letters, Cedar City, Utah; March, 1979.
2. Smith ME, Canalis RF: Otologic manifestations of AIDS: the otosyphilis connection. Presented at the Western Section of The Triological Society, Coronado, CA. January 9, 1988.
3. Smith ME, Calcaterra TC: Frontal Sinus Osteoma. Presented at the American Bronchoesophagological Association Meeting, San Francisco, CA. April 4, 1989.
4. Bredekamp JM, Smith ME, Dudley JP, Crockett DM: Otolaryngologic manifestations of the mucopolysaccharidoses. Presented at the American Society of Pediatric Otolaryngology, San Diego, CA, May 19, 1989.
5. Smith ME, Berke GS: Pressure and flow relationships in the canine larynx. Presented at the Acoustical Society of America, Syracuse, NY. May 26, 1989.
6. Green DC, Berke GS, Smith ME, Arnstein DA, Conrad WA: Experimental evidence for the collapsible tube model of the larynx in the *in vivo* canine model. Presented at the Acoustical Society of America, Syracuse, NY. May 26, 1989.
7. Smith ME, Berke GS: The effects of phonosurgery on laryngeal vibration: theoretical considerations. Presented at the Research Forum of the Association for Research in Otolaryngology and the American Academy of Otolaryngology-Head and Neck Surgery, New Orleans, LA. September 25, 1989.
8. Berke GS, Green DC, Smith ME: *In vivo* measurement of vocal fold stiffness. Presented at the Symposium on Neurological Disorders of Laryngeal Function, University of California, Los Angeles, CA. January 8, 1990.
9. Smith ME, Berke GS: Theoretical considerations in laryngeal paralysis and their effect on laryngeal vibration. Presented at the Symposium on Neurological Disorders of Laryngeal Function, University of California, Los Angeles, CA. January 8, 1990.

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10. Smith ME, Gerratt BR, Berke GS: Theoretical considerations in laryngeal paralyses and their effect on laryngeal vibration. Presented at the 120th meeting of the Acoustical Society of America, San Diego, CA. November 29, 1990.
11. Smith ME, Gray SD, O'Connor DM, Cotton RT: Endolaryngeal trauma associated with long-term endolaryngeal stents: an animal model. Presented at the Research Forum of the Association for Research in Otolaryngology and the American Academy of Otolaryngology-Head & Neck Surgery, Kansas City, MO. September 23, 1991.
12. Scherer RC, Guo CG, Smith ME: Effects on voice characteristics of loading vocal folds with injectables. Presented at the Pacific Voice Conference, San Francisco, CA. October 11, 1991.
13. Smith ME, Marsh JA, Cotton RT, Myer CM: Voice problems after pediatric laryngotracheal reconstruction: videolaryngostroboscopic, acoustic, and perceptual assessment. Presented at the 19th annual meeting of the Society for Ear, Nose, and Throat Advances in Children (SENTAC), Galveston, TX, December 7, 1991.
14. Smith ME, Mortelliti AJ, Cotton RT, Myer CM: Phonation and swallowing considerations in pediatric laryngotracheal reconstruction. Presented at the 113th annual meeting of the American Laryngological Association, Palm Desert, CA, April 11, 1992.
15. Cotton RT, Myer CM, O'Connor DM, Smith ME: Pediatric laryngotracheal reconstruction with endotracheal tube stenting: the single stage approach. Presented at the 7th annual meeting of the American Society of Pediatric Otolaryngology, Palm Desert, CA, April 13-15, 1992.
16. Myer CM, Kummer A, Smith ME, Shott SR: Measures of nasal resonance following adenotonsillectomy. Presented at the 7th annual meeting of the American Society of Pediatric Otolaryngology, Palm Desert, CA, April 13-15, 1992.
17. Smith ME, Darby KP, Kirchner K, Blager FB: Simultaneous functional laryngeal stridor and functional aphonia in an adolescent. Presented at the 8th annual meeting of the American Society of Pediatric Otolaryngology, Los Angeles, CA, April 20-22, 1993.
18. Ramig LO, Smith ME, Dromey CP, Darby KP, Samandari R: Intensive voice treatment in Parkinson's disease: laryngostroboscopic findings. Presented at the Annual Symposium of the Voice Foundation: Care of the Professional Voice, Philadelphia, PA, June, 1993.

19. Darby KP, Smith ME: Repeat offender syndrome: considerations on why vocal nodules recur. Presented at the Annual Symposium of the Voice Foundation: Care of the Professional Voice, Philadelphia, PA, June, 1993.
20. Cotton RT, Myer CM, O'Connor DP, Smith ME: Single stage laryngotracheal reconstruction. Presented at the Middle Section of the Triological Society, Minneapolis, MN, January 1994.
21. Smith ME: Questions and controversies in pediatric voice disorders. Presented at the Western Section of the American Society of Pediatric Otolaryngology, Salt Lake City, UT, January 29, 1994.
22. Perez KS, Ramig LO, Smith ME, Dromey C: Laryngostroboscopic findings in Parkinson disease. Presented at the Annual Symposium of the Voice Foundation: Care of the Professional Voice, Philadelphia, PA, June, 1994.
23. Smith ME: Problems following pharyngoplasty. Presented at the Aspen Cleft Conference, Aspen, CO, August 23, 1994.
24. Ramig LO, Countryman S, O'Brien C, Smith ME: The efficacy of voice therapy for patients with Parkinson disease. Presented at the American Academy of Neurology, Seattle, WA, May 10, 1995.
25. Baker K, Scherer R, Smith M: Laryngeal muscle control in phonatory adduction. Presented at the Motor Speech Disorders Conference, Amelia Island, FL, February, 1996.
26. Scherer RC, Smith ME: Membranous contact quotient: A new measure of glottal contact with application to scarred vocal folds. Presented at the Fourth Biennial Phonosurgery Symposium, Madison, WI, July 13, 1996.
27. Smith ME, Hinton R, Abrams R, Strain J: Morphometry of the unoperated cleft palate and velopharynx. Presented at the Third Annual Rocky Mountain Cleft Conference, Steamboat Springs, CO, July 30, 1996.
28. Smith ME, Titze IR, Ramig LO: Theoretical considerations in production of vocal tremor. Presented at the Research Forum of the Association for Research in Otolaryngology and the 100th annual meeting of the American Academy of Otolaryngology/Head and Neck Surgery, Washington DC, October 1, 1996.

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29. Smith ME, Ford CN. Resistance to botulinum toxin treatment of spasmodic dysphonia: two case reports. Presented at the 1st International Neurolaryngology Symposium, Bethesda, MD, October 3, 1996.
30. Baker KK, Luschei E, Ramig LO, Smith ME: Laryngeal muscle activity during speech in young, aged and neurologically disordered subjects. Presented at the 1st International Neurolaryngology Symposium, Bethesda, MD, October 3, 1996.
31. Ramig LO, Baker K, Fox C, Luschei E, Smith ME: Voice treatment for neurological disorders. Presented at the 1st International Neurolaryngology Symposium, Bethesda, MD, October 3, 1996.
32. Smith ME, Hynton R, Abrams R, Strain J. Morphometric studies of the unoperated cleft palate and velopharynx: preliminary data. Presented at the 12th annual meeting of the American Society of Pediatric Otolaryngology, Scottsdale AZ, May 14-16th, 1997.
33. Krause GE, Sorenson DA, Smith ME, Tyson W, Chan KH, Stool SE. Pain after myringotomy and tube placement: an unusual cause. Presented at the 12th annual meeting of the American Society of Pediatric Otolaryngology, Scottsdale AZ, May 14-16th, 1997.
34. Smith ME. Robin sequence: early management. Presented at the 4th annual Rocky Mountain Cleft Conference, Steamboat Springs, CO, July 29, 1997.
35. Smith ME, Hynton R, Abrams R, Strain J. Morphometric studies of the unoperated cleft palate and velopharynx: measurements and implications for speech. Presented at the annual meeting of the American Cleft Palate/Craniofacial Association, Baltimore, MD, April 22-25, 1998.
36. Smith ME, Kelly SM. Cautery tonsillectomy. Presented at the Western Section of the American Society of Pediatric Otolaryngology, Los Angeles, CA, March 6, 1999.
37. Gray SD, Smith ME, Newman SR, Manning SC. Augmentation of airway through laryngeal chemodenerivation in children. Presented at the annual meeting of the American Society of Pediatric Otolaryngology, Palm Desert, CA, April 28, 1999.
38. Smith ME, Berke GS, Gray SD, et al. Clicking in the throat: cinematic fiction or surgical fact? Presented at the Western Section-Triological Society meeting, San Francisco, CA, January 7, 2000.
39. Smith ME, Pelton RW, Patel BCK, Kelly SM. Cosmetic considerations in surgery for orbital subperiosteal abscess in children: experience with a combined transcaruncular and transnasal endoscopic approach. Presented at the American Society of Pediatric Otolaryngology, Scottsdale, AZ, May 12, 2001.

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40. Smith ME, Muntz HR. Unilateral vocal fold paralysis in adolescents. Presented at the American Society of Pediatric Otolaryngology, Nashville, TN, May 5, 2003.

E. Invited Presentations

1. Leiser J, Smith ME: Recent advances in causes and treatment of spasmodic dysphonia. Presented at the Colorado Speech and Hearing Association, Denver, CO, May 1, 1992.
2. Smith ME, Smith R: Neurological disorders and the voice. Presented at the Rose Medical Center Grand Rounds, Denver, CO, May 23, 1993.
3. Smith ME: Current concepts in the management of voice disorders and phonosurgery. Presented at the Colorado Otolaryngology-Maxillofacial Society meeting, Denver, CO, June 26, 1993.
4. Smith ME: Voice and resonance disorders in children. Presented at the First Annual Conference on Pediatric Otolaryngology: Primary Care Update, Denver, CO, March 9, 1994.
5. Smith ME: Neck lumps and bumps in children. Presented at the Second Annual Conference on Pediatric Otolaryngology: Primary Care Update, Denver, CO, May 12, 1995.
6. Smith ME: Surgery for pediatric voice and resonance disorders. Presented at the Conference on Voice and Resonance Disorders in Children, Denver, CO, June 16, 1995.
7. Smith ME: Medical care of voice problems. Presented at the Conference on Voice sponsored by the Speech and Language Stimulation Center, Fort Collins, CO, August 11, 1995.
8. Smith ME: Surgery for resonance disorders. Presented at the Second Annual Rocky Mountain Cleft conference, Steamboat Springs, CO, August 14, 1995.
9. Smith ME: Phonosurgery update - 1996. Presented to the Utah Society of Otolaryngology/Head and Neck Surgery meeting, Salt Lake City, UT, October 21, 1996.
10. Smith ME: Voice Disorders in Children. Presented at the Utah State University Speech Summer Symposium, Logan, UT, June 5, 1997.

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11. Smith ME: Laryngeal Papillomatosis. Presented at the First International Symposium on Infectious Diseases in Pediatric Otolaryngology, Aspen, CO, August 23, 1997.
12. Smith ME: Upper Airway Obstructions: all that wheezes is not asthma. Presented at the Intermountain Thoracic Society meeting, Snowbird, UT, Jan 20, 1998.
13. Smith ME: Noisy Breathing in Children. Presented at the 20th Annual Conference on Common Problems in Pediatrics, Salt Lake City, UT, June 17, 1998.
14. Gray SD, Smith ME: Surgical Management of Pediatric Voice Disorders, Presented at the 5th Biennial Phonosurgery Symposium, Madison, WI July 8-9, 1998.
15. Rosen C, Gray SD, Smith ME, Bastian R. Novel Uses of Botox for Voice Disorders, Presented at the 5th Biennial Phonosurgery Symposium, Madison, WI July 8-9, 1998.
16. Smith ME: Phonosurgery and Dysphagia: Management and Treatment Outcomes; treatment of velopharyngolaryngeal incompetence associated with skull base surgery. Presented at the 5th Biennial Phonosurgery Symposium, Madison, WI July 8-9, 1998.
17. Smith ME. Overview of Pediatric Voice Disorders. Presented at the annual symposium of the Voice Foundation: Care of the Professional Voice, Philadelphia, PA, June 3, 1999.
18. Smith ME. Pediatric ENT Emergencies. Presented at the Valley Children's Hospital Pediatrics in Paradise Conference, Maui, October 5, 1999.
19. Smith ME. Examining Ears. Presented at the Valley Children's Hospital Pediatrics in Paradise Conference, Maui, October 5, 1999.
20. Smith ME. Endoscopic Evaluation of Swallowing. Presented at the Conference on Dysphagia: Implementing the Latest in Research Across the Continuum of Care, University of Utah, Salt Lake City, UT, November 13, 1999.
21. Smith ME, Connor N. Clinical outcome measures in spasmodic dysphonia patients. Presented at the 6th Biennial Phonosurgery Symposium, Madison, WI, July 14, 2000.
22. Smith ME, Gray SD. Dysphonia and GERD in children. Presented at the

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- 6th Biennial Phonosurgery Symposium, Madison, WI, July 14, 2000.
23. Smith ME, Dove H, Roy R. How we do a voice clinic. Presented at the 6th Biennial Phonosurgery Symposium, Madison, WI, July 15, 2000.
 24. Smith ME. Deep neck infections in children. Presented at the 14th annual Pediatric Emergency Medicine Update, Park City, UT, Feb 3, 2001.
 25. Zimmerman J, Littledyke J, Muntz H, Smith ME. Panel on management of velopharyngeal insufficiency in children. Presented at the Utah Speech-Language Hearing Association convention, Salt Lake City, UT, May 19, 2001.
 26. Smith ME. Detection and management of velopharyngeal insufficiency. Presented at Intermountain Otolaryngology Update, Salt Lake City, UT, June 7, 2001.
 27. Roy N, Smith ME. MTD vs. SD: differential diagnosis and management. Presented at the annual convention of the American Speech-Language Hearing Association, New Orleans, LA, November 15, 2001.
 28. Smith ME. Management of Laryngeal Paralysis in Children. Presented at the 7th Biennial Phonosurgery Symposium, Madison, WI, July 12, 2002.
 29. Smith ME, Dove H, Roy R. How we do a voice clinic. Presented at the 7th Biennial Phonosurgery Symposium, Madison, WI, July 12, 2002.
 30. Smith ME. Panel moderator. Special session in honor of Dr. Steven Gray, The Voice Foundation Symposium, Philadelphia, PA, June 5, 2003.