

**CURRICULUM VITAE**

**Scott C. Manning, MD**

Professor  
Pediatric Otolaryngology-Head and Neck Surgery

Seattle Children's Hospital  
University of Washington School of Medicine  
Seattle, Washington

## **BIOGRAPHICAL:**

**Date of Birth:** February 10, 1954  
**Place of Birth:** Pittsburgh, PA  
**Citizenship:** USA  
**Business Phone:** (206) 987-2039

## **EDUCATION :**

**Undergraduate:**  
1972-1976  
Duke University - B.S. - Psychology  
Durham, NC

**Graduate:**  
1976-1980  
Tulane Medical School - M.D.  
New Orleans, LA

## **POSTGRADUATE TRAINING**

**Internship**  
1980-1982  
General Surgery  
University of Texas Southwestern  
Medical Center at Dallas

**Residency**  
1982-1985  
Otolaryngology  
University of Texas Southwestern  
Medical Center at Dallas

**Clinical Research Fellow**  
June, 1985 - June, 1986  
Department of Pediatric Otolaryngology  
Children's Hospital  
Pittsburgh, PA  
(Charles D. Bluestone, M.D.)

## **ACADEMIC APPOINTMENTS:**

Department of Otorhinolaryngology  
University of Texas Southwestern Medical Center at Dallas, Texas  
Assistant Professor of Otorhinolaryngology July 1986 - August 1991  
Associate Professor 1991 - 1995

Parkland Memorial Hospital, Dallas, Texas

Director, Otolaryngology Service	October 1987 - August 1991
University of Texas Southwestern, Dallas, Texas Professor & Chief of Pediatric Otolaryngology	August 1994 - August 1995
University of Washington, Seattle, Washington Chief, Division Pediatric Otolaryngology	August 1995 - Present

#### **STAFF APPOINTMENTS:**

Children's Hospital and Regional Medical Center  
Seattle, Washington

University Hospital and Medical Center, University of Washington  
Seattle, Washington

#### **HONORS:**

1976 Summa Cum Laude, Duke University  
1976 Phi Beta Kappa, Duke University  
1979 Alpha Omega Alpha, Tulane Medical School  
1995 American Academy Otolaryngology Service Award  
1995 Sam Sanders Award - American Academy Otolaryngologic Allergy  
1997 Mosher Award – Triological Society  
2009 Distinguished Service Award – American Academy Otolaryngology Head  
Neck Surgery

#### **CERTIFICATION**

1985 Diplomate  
American Board of Otolaryngology-Head and Neck Surgery

#### **LICENSURE:**

1980 Louisiana R#031804 L#015811  
1981 Texas G0467  
1985 Pennsylvania MD-033499-E  
1995 Washington 025209-MD00032980

#### **MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES:**

American Medical Association  
American Academy of Pediatrics-Section on Otolaryngology and Bronchoesophagology  
American Academy of Otolaryngology Head and Neck Surgery  
Society for Ear, Nose and Throat Advances in Children

Alpha Omega Alpha  
 Deafness Research Foundation  
 Society of University Otolaryngologists  
 American College of Surgeons  
 American Society of Pediatric Otolaryngology  
 Western Pediatric Otolaryngology Study Group  
 American Rhinologic Society  
 United States Pharmacopeia  
 American Laryngological, Rhinological and Otological Society  
 American Thyroid Association

**EDITORIAL BOARD:**

International Editorial Board of *International Journal of Pediatric Otorhinolaryngology*  
 Section Editor Pediatric Otolaryngology for *Otolaryngology-Head and Neck Surgery*

**COMMITTEE PARTICIPATION:**

**National**

Ad hoc Committee for Managed Care	American Society for Pediatric Otolaryngology 1993 to August 1995
Ad hoc Committee for Formulation of Indications for Pediatric Surgery	American Society for Pediatric Otolaryngology 1993 - 1995
Fellowship Committee	American Society of Pediatric Otorhinolaryngology 1995 - 1998
Otolaryngology Committee	United States Pharmacopeia, August 1995 - 2000
Task Force on Recurrent Respiratory Papillomas	1995 - present
Board Member	American Society of Pediatric Otolaryngology 1997 - 2000
Pediatric Otolaryngology Committee	American Academy of Otolaryngology – Head and Neck Surgery, 1997 - 2000
Educational Committee	American Rhinological Society June, 1998 – 2000

Council Member	Triological Society May 2002 – 2006
Thesis Committee Member	Triological Society September 2002 – 2005
Board Examiner	American Board of Otolaryngology-HNS 2002 – 2004 (Guest Examiner), 2008 (Guest Examiner)
President	American Society Pediatric Otolaryngology – 2007-2008
Secretary-Treasurer	Western Section Triological 2010-2014
Vice President	Western Section Triological 2014-2015
 <b><u>Local</u></b>	
Admissions Committee	University of Texas Southwestern Medical Center at Dallas (Friend) September, 1987 to 1989  University of Texas Southwestern Medical Center at Dallas (Member) 1989 to 1993 (Friend) 1994 to August 1995  University of Washington School of Medicine (Member) 1996 to 2004
Operating Room Committee	Parkland Memorial Hospital September 1987 to August 1990
Children's Hospital & Regional Medical Center, Seattle	August, 1996 to 1999
Tissue Committee	Parkland Memorial Hospital January 1988 to 1993
Pathology Review Committee	Children's Medical Center January 1989 to January 1990
Laser Committee	University of Texas Southwestern Medical Center at Dallas April 1988 to August 1995
Hospital Executive Committee	Children's Medical Center at Dallas, 1990 to 1992
Operating Room Committee	Children's Medical Center at Dallas, 1990 to 1991
Faculty Senate	University of Texas

	Southwestern Medical Center at Dallas, September 1990 to August 1995
Peer Review Committee	Children's Medical Center at Dallas, August 1991 to 1993
Infection Control Committee	Children's Medical Center at Dallas, 1994 to 1995
Children's University Medical Group	Board Member, August 1997 to 1999
NW Academy Otolaryngology	Program Chair, September 2000 to 2002
NW Academy Otolaryngology	Secretary-Treasurer 2002 to present
NW Academy Otolaryngology	President 2004 to present
University of Washington	Contracting Committee, UW Physicians Group, 2002 to 2006.
University of Washington 2015 to present	Otolaryngology Promotions and Tenure Committee

## **FELLOWS TRAINED**

David Karas, MD, 1995-1996; Yale University School of Medicine; Section of Otolaryngology; 333 Cedar St. / PO Box 208041; New Haven, CT 06520-8041.

LiAnne deSerres, MD, 1996-1997; Columbia University; Division of Pediatric Otolaryngology; 3959 Broadway, 5 North; New York, NY 10032.

Jill Beck, MD, 1998-1999; Boise ENT & Facial Surgery; 125 E. Idaho Street, #105; Boise, ID 83712-6254.

Farrel Buchinsky, MD, 1999-2001; Allegheny University of Health Sciences; Allegheny General Hospital; 320 E. North Avenue; Pittsburgh, PA 15212-4772.

Jason Mouzakes, MD, 2000-2001; Albany Medical College; Capital Region Otolaryngology-Head and Neck Group, LLP; 6 Executive Park Dr., Entrance C; Albany, NY 12203.

Eduard Ekstein MD, Alberda Canada

Jeffrey Carron, MD, 2001-2002; University of Mississippi Medical College; Department of Otolaryngology and Communicative Sciences; 2500 N. State Street; Jackson, MS 39216-4505.

Patricia Yoon, MD, 2002-2003; University of Colorado; Children's Hospital; Department of Otolaryngology; 1056 E. 19<sup>th</sup> Avenue, B#455; Denver, CO 80218-1007.

Henry C. Ou, MD, 2003-2004; University of Washington; Children's Hospital & Regional Medical Center, Department of Otolaryngology, 9222 Roosevelt Way N.E., #105; Seattle, WA 98105.

David Bloom, MD, 2004-2005; US Navy, Portsmouth, VA.

Eli Grunstein, MD, 2005-2006; Columbia University, New York, NY

Claudia Manigila MD , 2005-2006 – Rio Preto, Brazil

Eunice Chen MD, PhD – 2006-2007,- Dartmouth - Hitchcock Medical Center

Emily Rudnick Boss MD – 2007-2008 –John's Hopkins University

Nooshin Parhizkar MD – 2008-2009- Oakland Children's Hospital

Sharon Cushing MD - 2009-2010 - Toronto Sick Children Hospital

Abby Meyer MD - 2010-2011 – University of Minnesota.

David Tieu MD 2011-2012- Kaiser S CA

Dylan Chan MD 2012-2013 – UC San Francisco

Tianjie Shen MD 2013-2014 – Kaiser Oakland

John Dahl MD 2014-2015 – Indiana University

David Zopf MD 2014-2015 – University of Michigan, Ann Arbor

Randall Bly MD 2015-16 – UW

Josephine Czechowicz MD 2015-16 – Stanford

Neha Patel MD 2016-17 -Einstein

Ryan Mitchell MD 2016-17 U Indiana

Reema Padia MD 2017-18 – U Pittsburgh

Erin Kirkham MD 2017-18 U Michigan

Che Carrie Liu MD 2018-2019

Julianna Bonilla-Velez 2018-2019 -Univ Washington

Sean Evans MD 2019-2020 -Emory

Prasanth Pitsappu 2019-2020 -Ohio State

#### **INTRAMURAL FUNDED RESEARCH:**

*Spontaneous Otitis Media in Vitamin A Deficient Guinea Pigs.*

#### **EXTRAMURAL FUNDED RESEARCH:**

*Concentrations of Loracarbef in Middle Ear Fluid after a Single Dose.* Brown  
OE, Manning SC, Shelton S, Nelson JD.

Funded by a grant from Eli Lilly Co.

SC, *Cefaclor AF: Tissue Penetration after Single Dose Administration.* Manning  
Brown OE, Bawdon R.  
Funded by a grant from Eli Lilly Co.

*Dirithromycin Tonsillar Tissue Penetration after Multiple Doses.*  
Manning SC, Brown OE, Bawdon R.  
Funded by a grant from Eli Lilly Co.

*A Multi-center, Randomized, Single-Blind Study to Compare the Safety and Efficacy of Ofloxacin Otic Solution with that of Cortisporin Otic Solution in the Treatment of Acute Otitis Externa in Pediatrics.* Protocol - 8280A-PRT003

*Surveillance of Oxacillin Resistant Streptococcus Pneumoniae in Middle Ears.*  
Funded by a grant from Burroughs Welcome

#### **MANUSCRIPTS IN REFEREED JOURNALS:**

1. Manning S, Meyerhoff WL: *Cochlear Implants-An Overview.* **Geriatrics**, 1986;41(3):78-79.
2. Manning S, Stool S, Kenna M: *Foreign Body Detection: Don't Overlook Plastic.* **J. Respir. Dis.**, 1987; 8 (5):33-44.
3. Manning S, Cantekin E, Kenna M, Bluestone C: *Prognostic Value of Eustachian Tube Function Testing in Pediatric Tympanoplasty.* **Laryngoscope**, 1987;97 (9):1012-1016.
4. Manning S, Beste D, McBride T, Goldberg A: *An Assessment of Preoperative Coagulation Screening for Tonsillectomy and Adenoidectomy.* **Int. J. Pediatric Otolaryngol.**, 1987;13 (3):237-244.
5. Manning SC, Cantekin EI, Kenna MA, Bluestone C: *Prognostic Value of Eustachian Tube Function Testing Before Tympanoplasty.* **Ann. Otol. Rhinol. Laryngol.**, 1988;97 (Suppl 133):38.
6. Brown OE, Manning SC, Ridenour B: *Cor Pulmonale Secondary to Tonsillar and Adenoidal Hypertrophy: Management Considerations.* **Int. J. Pediatric Otorhino.**, 1988;16:131-139.
7. Brown OE, Myer III CM, Manning SC: *Congenital Nasal Pyriform Aperture Stenosis.* **Laryngoscope**, 1989;99:86-91.
8. Schaefer SD, Manning SC, Close LG: *Endoscopic Paranasal Sinus Surgery: Indications and Considerations.* **Laryngoscope**, 1989;99:1-5.
9. Manning SC, Vuitch F, Weinberg A, Brown OE: *Allergic Aspergillosis: A Newly Recognized Form of Sinusitis in the Pediatric Population.* **Laryngoscope**, 1989;99 (7):681-685.
10. Close LG, Schaefer, SD, Mickey BE, and Manning SC: *Surgical Management of Nasopharyngeal Angiofibroma Involving the Cavernous Sinus.* **Archives**

**Otolaryngology - Head & Neck Surgery, 1989;115:1091-1095.**

11. Manning SC, Culbertson MC, Vuitch, F: *Bilateral Middle Ear Lobular Capillary Hemangiomas.* **Otolaryngol. Head and Neck Surg.**, 1990;102:85-88.
12. Dever G, Stool S, Manning S, Stewart J: *Otitis Oceania: Middle Ear Disease in the Pacific Basin.* **Annals Otol.**, 1990; 99 (Suppl. 149):25-27.
13. Manning S, Casselbrant M, Lammers D: *Otolaryngologic Manifestations of Child Abuse.* **Int. J. Ped. Otorhinolaryngol.**, 1990;20:7-16.
14. Kusmiesz H, Shelton S, Brown OE, Manning S, Nelson JD: *Loracarbef Concentration in Middle Ear Fluid.* **Antimicrobial Agents and Chemotherapy**, 1990;Oct. 2030-2031.
15. Dinsdale RC, Manning SC, Brooks DJ, Vuitch F: *Myxoid Laryngeal Lipoma in a Juvenile.* **Otolaryngol. Head and Neck Surg.**, 1990;103:653-657.
16. Pownell PN, Brown OE, Argyle JC, and Manning SC. *Rhabdomyoma of the Cricopharyngeus in an Infant: A Case Report.* **Int. J. Ped. Otorhinolaryngol.**, 1990;20:149-158.
17. Manning SC, Schaefer SD, Close LG, Vuitch F: *Culture Positive Allergic Fungal Sinusitis.* **Archives of Otolaryngol.**, 1991;117:174-178.
18. Dinsdale RC, Roland PS, Manning SC, Meyerhoff WL: *Catastrophic Otologic Injury from Aural Jet Irrigation of the External Auditory Canal.* **Laryngoscope**, 1991;101:75-78.
19. Patt B, Manning SC: *Blindness Resulting from Orbital Complications of Sinusitis.* **Otolaryngol. Head and Neck Surg.**, 1991;104:789-795.
20. Morrish TN, Manning SC: *Branchial Anomaly in a Newborn Presenting as Stridor.* **Int. J. Pediatr. Otorhinolaryngol.**, 1991;21:259-263.
21. Manning SC, Ridenour B, Brown OE, Squires J. *Measles: An Epidemic of Upper Airway Obstruction.* **Otolaryngol. Head Neck Surg.**, 1991;105:415-418.
22. Manning SC: *Surgical Management of Sinus Disease in Children.* **Annals of Otolaryngology Rhinology Laryngology.**, 1992;101;(Suppl 155),42-45.
23. Leach J, Olson J, Herman J, Manning SC: *Polysomnographic and Clinical Findings in Children with Obstructive Sleep Apnea.* **Archives Otolaryngol. Head Neck Surg.**, 1992;118:741-744.
24. Manning SC, Wright CG: *Incidence of Otitis Media in Vitamin A Deficient Guinea Pigs.* **Otolaryngol Head Neck Surg.**, 1992;107:701-706.
25. Pownell PH, Brown OE, Pransky SM, Manning SC: *Congenital Abnormalities of the Submandibular Duct.* **Int J Pediatr Otorhinolaryngol.**, 1992;24:161-169.
26. Chinn K, Brown OE, Manning SC: *Effects of Inhalant Anesthesia on the Middle Ear as Measured by Immittance.* **Archives of Otolaryngol.**, 1993;119:283-287.
27. Leach J, Manning S, Schaefer S: *Comparison of Two Methods of Tonsillectomy.*

- Laryngoscope**, 1993;103:619-622.
28. Manning SC, Mabry R, Schaefer SD, Close LG: *Evidence of IgE Mediated Hypersensitivity by RAST Testing in Allergic Fungal Sinusitis*. **Laryngoscope**, 1993;103:717-721.
  29. Manning SC: *Endoscopic Management of Medial Subperiosteal Orbital Abscess*. **Arch. Otolaryngol. Head Neck Surg.**, 1993;119:789-791.
  30. Manning SC: *Paranasal Sinus Disease in Children*. **Current Science in Otolaryngology Head Neck Surg.**, 1993;1:171-176.
  31. Farris PE, Manning S, Vuitch F. *Rhabdomyomatous Mesenchymal Hamartoma*. **Am. J. Dermatopathol.**, 1994;6:73-75.
  32. Manning SC, Wasserman R, Leach J, Truelson J: *Chronic Sinusitis as a Manifestation of Primary Immunodeficiency in Adults*. **Am J Rhinol.**, 1994;8:29-35.
  33. Manning SC, Brown OE, Roland PS, Phillips D: *Incidence of Sensorineural Hearing Loss in Patients Evaluated for Tympanostomy Tubes*. **Archives of Otolaryngol Head Neck Surg.**, 1994;120:881-884.
  34. Pryor M, Pryor J, Manning J, Manning S, Rudoy R, Stewart J, Dever GJ, Stool S: *Vitamin A Deficiency and Otitis Media in Micronesia*. **Pacific Health Dialogue**, 1994;Vol. 1, Number 1: 6-12.
  35. Manning SC, Silver R, Wasserman R, Phillips D: *Results of Endoscopic Sinus Surgery in Pediatric Patients with Chronic Sinusitis and Asthma*. **Archives of Otolaryngol. Head Neck Surg.**, 1994;120:1142-1145.
  36. Close LG, Lee NK, Manning SC: *Endoscopic Resection of the Intranasal Frontal Sinus Floor*. **Annals Otol. Rhinol. Laryngol.**, 1994;103:952-958.
  37. Brown OE, Manning SC, Phillips DL: *Lack of Bacteremia in Children Undergoing Myringotomy and Tympanostomy Tube Placement*. **Ped. Infect. Dis. J.**, 1995;14:1101-1102.
  38. Mabry RL, Manning SC: *Radioallergosorbent Microscreen and Total Immunoglobulin E in Allergic Fungal Sinusitis*. **Otolaryngol Head Neck Surg.**, 1995;113:721-723.
  39. Gram SM, Gross CW, Manning SC: *Management of Inverted Papilloma*. **Head and Neck**, 1995;17 (z):148-151.
  40. Reilly JS, Walter MA, Beste D, Derkay C, Muntz H, Myer GM, Friedman E, Seibert R, Todd NW, Milbrath M, Manning S, et al. *Size/Shape Analysis of Aerodigestive Foreign Bodies in Children: A Multi-Institutional Study*. **Am J. Otolaryngol.**, 1995;16:190-3.
  41. Brown OE, Pownell P, Manning SC: *Choanal Atresia: A New Anatomic Classification and Clinical Management Applications*. **Laryngoscope**, 1996;106:97-101.
  42. Brown OE, Manning SC: *Microbial Flora of the Subglottis in Intubated Pediatric Patients*. **Int J Pediatr. Otorhinolaryngol.**, 1996;35:97-105.
  43. Manning SC, Biavati MJ, Phillips D: *Correlation of Clinical Sinusitis Signs and*

- Symptoms to Imaging Findings in Pediatric Patients.* **Int. J. Pediatr. Otorhinolaryngol.**, 1996;37:65-74.
44. Jordan JA, Brown OE, Biavati MJ, Manning SC: *Congenital Syringocystadenoma, Papilliferum of the Ear and Neck Treated with the CO<sub>2</sub> Laser.* **Int. J. Pediatr. Otorhinolaryngol.**, 1996;38:81-87.
  45. Benson JM, Arnold J, Manning SC, Coleman DL, Sides GD, Conforti PM, Lemon E, Watkins US: *Tonsillar tissue penetration of dirithromycin after multiple doses.* **J Clin Pharmacol.**, 1996;36(9):832-837.
  46. Reilly JS, Thompson J, MacArthur C, Pransky S, Beste D, Smith M, Gray S, Manning SC, 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 and Complications: Relationship to Timeliness of Diagnosis.* **Laryngoscope**, 1997;107:17-20.
  47. Mabry RL, Manning SC, Mabry CS: *Immunotherapy in the Treatment of Allergic Fungal Sinusitis.* **Otolaryngol Head & Neck Surg.**, 1997;116:31-35.
  48. Manning SC, Merkel M, Kriesel K, Vuitch F, Marple B: *Computed Tomography and Magnetic Resonance Diagnosis of Allergic Fungal Sinusitis.* **Laryngoscope**, 1997;107:170-176.
  49. Chinn K, Brown OE, Manning SC, Crandell CC: *Middle Ear Pressure Variation: Effect of Nitrous Oxide.* **Laryngoscope**, 1997;107:357-363.
  50. Biavati MJ, Manning SC, Phillips DL: *Predictive Factors for Respiratory Complications After T&A in Children.* **Archives Otolaryngol Head Neck Surg.**, 1997;123:517-521.
  51. Harel Y, Vardi A, Quigley R, Brink LW, Manning SC, Carmody TJ, Levin DL: *Extubation Failure Due To Post-Extubation Stridor Is Better Correlated With Neurologic Impairment Than With Upper Airway Lesions In Critically Ill Pediatric Patients.* **Int. J. Pediatr. Otorhinolaryngol.**, 1997;39:147-158.
  52. Jordan JA, Graves JE, Manning SC, McClay JE, Biavati MJ: *Endoscopic Cauterization for Treatment of Fourth Branchial Cleft Sinuses.* **Arch Otolaryngol. Head Neck Surg.**, 1998;124:1021-1024.
  53. Manning SC, Holman JM: *Further Evidence for Allergic Pathophysiology in Allergic Fungal Sinusitis (Triologic Thesis).* **Laryngoscope**, 1998;108:1485-1496.
  54. Manning SC: *A 3-year Old Child With a Severely Deviated Septum and Airway Obstruction.* **Archives of Otolaryngology-HNS**, 1999;125:699-700.
  55. Coppit GL, Perkins JA, Manning SC: *Nasopharyngeal Teratomas and Dermoids: A Review of the literature and case series.* **Int. J. Pediatr. Otorhinolaryngol.**, 2000;52:219-27.
  56. Mostafapour SP, Folz B, Barlow D, Manning S. *Sialoblastoma of the Submandibular Gland: Report of a Case and Review of the Literature.* **Int J Pediatr Otorhinolaryngol** 2000; 53:157-61.
  57. Rosenfeld RM, Bhaya MH, Bower CM, Brookhouser PE, Casselbrant ML, Chan KH,

- Cunningham MJ, Derkay CS, Gray SD, Manning SC, Messner AH, Smith RJ: *Impact of Tympanostomy Tubes on Child quality of Life.* **Arch Otolaryngol. Head Neck Surg.**, 2000;126:585-92.
58. Ferguson BJ, Barnes L, Bernstein JM, Brown D, Clark III CE, Cook PR, DeWitt WS, Grahm SM, Gordon B, Javer AR, Krouse JH, Kahn FA, Levine HC, Manning SC, Marple BF, Morgan AH, Osguthorpe JD, Skedros D, Rains III BM, Ramadan HH, Terrell JE, Yonkers AJ: *Geographic Variation in Allergic Fungal Rhinosinusitis.* **Otolaryngol Clin North AM.**, 2000;33:441-9.
59. Armstrong LR, Preston EJ, Reichert M, Phillips DL, Nisenbaum R, Todd NW, Jacobs IN, Inglis AF, Manning SC, Reeves WC: *Incidence and Prevalence of Recurrent Respiratory Papillomatosis Among Children in Atlanta and Seattle.* **Clin Infect Dis.**, 2000;31:107-9.
60. Cupero TM, Thomas RW, Manning SC. *Desmoplastic fibroma of the maxillary sinus.* **Otolaryngol Head Neck Surg** 2001;125:661-662.
61. Manning S. *Surgical Intervention for Sinusitis in Children.* **Cur Asthma Allergy Rep** 2001;1:289-296.
62. McClay JE, Marple B, Kapadia L, Biavati MJ, Nussenbaum B, Newcomer M, Manning S, Booth T, Schwade N: *Clinical Presentation of Allergic Fungal Sinusitis in Children.* **Laryngoscope** 2002;112:1-5.
63. Manning, SC: *Endoscopic Drainage of Subperiosteal Orbital Abscesses.* **Operative Techniques in Otolaryngology – Head and Neck Surgery** 2002;13:73-76.
64. De Serres LM, Derkay C, Sie K, Biavati M, Jones J, Tunkel D, Manning S, Inglis AF, Itaddad U Jr., Tampakopoula D, Weinberg AD. *Impact of adenotomyllectomy on quality of life in children with obstructive sleep disorders.* **Arch Otolaryngol Head Neck Surg** 2002;128:489-98.
65. Qin X, Abe PM, Weissman SJ, Manning SC: *An extrapulmonary Legionella micdadei infection in a previously healthy child.* **Ped Inf Dis J** 2002;21(12):1174-76.
66. Cunningham ML, Perry RJ, Eby PR, Gibson RL, Opheim KE, Manning SC. *Primary Pulmonary Dysgenesis in Velocardiofacial Syndrome: A Second Patient.* **Am J Med Genet** 2003; 121A(2):177-79.
67. Manning SC. *Basics of Biofilm in Clinical Otolaryngology.* **Ear Nose Throat J.** 2003;82(suppl 2):18-20.
68. Inglis AF, Perkins JA, Manning SC, Mouzakis J. *Endoscopic Posterior Cricoid Split and Rib Grafting in 10 Children.* **Laryngoscope** 2003;113:2004-2009.
69. Coates H, Hawke M, Manning SC, Vesterhause S, Haynes DS, Deitmer T. *Strategies for Managing Granulation Tissue.* **Ear Nose Throat J.** 2003;82(suppl 2):21-24.
70. Perkins J, Mouzakis J, Pereira R, Manning S. *Bacterial biofilm presence in pediatric tracheotomy tubes.* **Arch Otolaryngol Head Neck Surg**, 2004;130:339-343.
71. Mohit A, Grant G, Stevenson K, Giroto J, Gruss J, Manning S, Ellenbogen RG. *A large planum sphenoidale meningioma with sinonasal extension in a child.* **Case report and**

- review of literature. *Pediatr Neurosurg*, 2003,Nov;39(5):270-4.
72. Suver DW, Perkins J, Manning SC. *Somatostatin Treatment of Massive Lymphorrhoea Following Excision of a Lymphatic Malformation*. *Int J Pediatric Otorhinolaryngol*, 2004,68:845-50.
  73. Suver DW, Perkins J, Manning SC. *Klippel-Trenaunay-Webber Syndrome with Labyrinthine Bony Overgrowth and Mixed Hearing Loss, A Case Report*. *Int J Pediatric Otorhinolaryngol*, 2004, 68(8):1075-9, 2004.
  74. Bloom DC, Perkins JA, Manning SC. *Management of lymphatic malformations*. ***Curr Opin Otolaryngol Head Neck Surg* 2004;12:500-4.**
  75. Chinn K, Brown OE, Manning SC. *Effects of inhalant anesthesia: tympanometry validation (R98/217)*. ***Int J Pediatric Otorhinolaryngol* 2005 Feb;69(2):187-92.**
  76. Perkins JA, Sidhu M, Manning SC, Ghiono V, Sze R. *Three-dimensional CT angiography imaging of vascular tumors of the head and neck*. ***Int J Pediatric Otorhinolaryngol* 2005 Mar;69(3):319-25.**
  77. Manning SC. *Use of SLSE after endoscopy sinus surgery in children should be strictly limited*. ***Arch Otolaryngol Head Neck Surg* 2005 Mar;131(3):269-70.**
  78. Bloom DC, Christenson TE, Manning SC, Eksteen EC, Perkins JA, Inglis AF, Stool SE. *Plastic laryngeal Foreign Bodies in Children: A Diagnostic Challenge*. ***Int J Ped Oto Rhino Laryngol*, 2005;69:657-662.**
  79. Harsha WJ, Perkins JA, Lewis C, Manning SC. *Head and Neck Endocrine Surgery in Children:1997 and 2000..* ***Arch Oto Head & Neck Surg*, 2005 July;131:564-570.**
  80. Thomas RF, Hornung RL, Manning SC, Perkins JA. *Hemangiomas of Infancy: Treatment of Ulceration in the Head and Neck*. *Arch Facial Plast Surg* Sep/Oct 2005;7:312-315.
  81. Manning SC, Inglis AF, Mouzakes J, Carron J, Perkins JA. *Laryngeal anatomic differences in pediatric patients with severe laryngomalacia*. ***Arch Otolaryngol Head & Neck Surg*. Apr 2005;131(4):340-3.**
  82. Tempero RM, Hannibal M, Finn LS, Manning SC, Cunningham ML, Perkins JA. *Lymphocytopenia in Children with Lymphatic Malformation*. *Arch Otolaryngol Head Neck Surg*, January 2006;132:93-97.
  83. Perkins JA, Inglis AI, Sie KCY, Manning SC. *Recurrent Thyroglossal Duct Cysts: A Twenty-Three Year Experience and New Method for Management*. ***Ann Otol Rhino Laryngol*, 2006;115(1):857-863.**
  84. Perkins JA, Tempero RM, Hannibal MC, Manning SC. *Clinical Outcomes in Lymphocytopenic Lymphatic Malformation Patients*. *Lymphat Res Biol* 2007;5:169-74.
  85. Burton MS, Manning SC, Rosenfeld RM. *Extracts from the Cochrane Library: Coblation verses other surgical techniques for tonsillectomy (Review)*. *Otolaryngol Head Neck Surg* 2008;138:4-7.

86. Lee GS, Perkins JA, Oliaei S, Manning SC. *Facial Nerve Anatomy, Dissection and Preservation in Lymphatic Malformation Management*. **Int J Pediatr Otorhinolaryngol** 2008;138:772-2.
87. Perkins JA, Maniglia C, Magit A, Sidhu M, Manning SC, Chen EY. *Clinical and Radiographic Findings in Children with Spontaneous Lymphatic Malformation Regression*. **Otolaryngol Head and Neck Surg**, 2008; 72:759-66.
88. Abel TJ, Chowdhary A, Thapa M, Rutledge JC, Gruss J, Manning S, Avellino AM. Ectopic glioneuronal tissue in the middle cranial fossa region. Report of four cases. **J Neurosurg Pediatr**. 2009 Mar;3(3):188-96.
89. Rudnick EF, Chen EY, Manning SC, Perkins JA. PHACES syndrome: otolaryngic considerations in recognition and management. **Int J Pediatr Otorhinolaryngol** 2009;73:281-1.
90. Choi P, Qin X, Chen EY, Inglis AF Jr, Ou HC, Perkins JA, Sie KC, Patterson K, Berry S, Manning SC. Polymerase chain reaction for pathogen identification in persistent pediatric cervical lymphadenitis. **Arch Otolaryngol Head Neck Surg** 2009;135:243-8.
91. Chen EY, Inglis AF, Ou H, Perkins JA, Sie KC, Chiara J, Manning SC. Endoscopic electrocauterization of pyriform fossa sinus tracts as definitive treatment. **Int J Pediatr Otorhinolaryngol** 2009;73:1151-6.
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### **SCIENTIFIC PRESENTATIONS, VISITING LECTURESHIPS AND SPECIAL MEETINGS:**

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6. Manning SC: "Infantile Apnea". Presented at Grand Rounds at Children's Medical Center, Dallas, Texas. December, 1987.
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8. Manning SC: "*Otitis Media*". St. Paul Family Practice Conference, Dallas, Texas. October 12, 1988.
9. Manning SC, Vuitch F, Weinberg A, Brown OE: "Allergic Aspergillosis: A Newly Recognized Form of Sinusitis in the Pediatric Population". Presented at the Southern Section Triological Society Meeting, Naples Florida. January 14, 1989.
10. Manning SC: "Pediatric Sinusitis". St. Paul Continuing Education Conference, Dallas, Texas. March 11, 1989.
11. Manning SC: "Upper Airway Obstruction". New Mexico Otolaryngology Society Meeting. March 17, 1989.
12. Manning SC: "Sinusitis". Department of Otorhinolaryngology Visiting Professorship. May 5, 1989.
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15. Manning SC, Brown OE, Schaefer SD: "Pediatric Sinus Endoscopy: Indications and Limitations" - 2 hour course presented at the American Academy of Otolaryngology, New Orleans, Louisiana. September 24, 1989.
16. Manning SC: "Indications for Endoscopic Sinus Surgery". Visiting Professorship, Dallas, Texas. October 6, 1989.
17. Manning SC: "Complicated Sinusitis". 6th Sinus Endoscopy Course, Dallas, Texas. October 7, 1989.
18. Manning SC: "Pediatric Sinusitis". Fort Worth Family Practice Association, Fort Worth, Texas. October 14, 1989.
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20. Manning SC: "Pediatric Sinusitis". Saint Paul Continuing Education Course in Contemporary Otolaryngology, Dallas, Texas. March 24, 1990.
21. Manning SC: "Sinusitis". Endoscopic Sinus Surgery 7th Course, Dallas, Texas. April 7, 1990.

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23. Manning SC: "Foreign Body Aspiration". Children's Medical Center Noon Conference, Dallas, Texas. March 5, 1990.
24. Manning SC: "Upper Airway Obstruction in Children". Children's Medical Center Nursing Conference, Dallas, Texas. June 2, 1990.
25. Manning SC: "Otolaryngologic Manifestations of Primary Immunodeficiencies". Presented at the American Academy of Otolaryngology Annual Meeting, San Diego, California. September 8, 1990.
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27. Manning SC: "Child Abuse". Presented at the Society of Otolaryngology - Head and Neck Nurses, San Diego, California. September 11, 1990.
28. Brown OE, Manning SC: "Pediatric Nasal Airway Obstruction". One hour course presented at the American Society of Otolaryngology Annual Meeting, San Diego, California. September 11, 1990.
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30. Manning SC: "Upper Airway Obstruction". Presented at the Texas Pediatric Society Annual Meeting, Fort Worth, Texas. September 15, 1990.
31. Manning SC: "Pediatric Sinusitis". Presented at the Texas Pediatric Society Annual Meeting, Fort Worth, Texas. September 16, 1990.
32. Manning SC: "Sinusitis". Presented at the American Academy of Family Practice Physicians Annual Meeting, Dallas, Texas. October 8, 1990.
33. Manning SC: "Applications of Sinus Endoscopy". Presented at the 8th Sinus Endoscopy Course, Dallas, Texas. October 13, 1990.
34. Morrish TN, Manning SC: "Endoscopic Repair of Laryngeal Clefts". Presented at the Southern Medical Assn. 84th Scientific Assembly; Nashville, Tennessee. October 14, 1990.
35. Manning SC: "Pediatric Sinus Surgery: Indications and Techniques". Presented at Advanced Endoscopic Sinus Surgery Course, Salt Lake City, Utah. February 7, 1991.
36. Manning SC: "Workup of Primary Immunodeficiencies". Presented at Advanced Endoscopic Sinus Surgery Course, Salt Lake City, Utah. February 8, 1991.
37. Manning SC: "Tonsillectomy and Adenoidectomy". Presented at Children's Medical Center Noon Conference. February 11, 1991.

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40. Manning SC, Schaefer SD, Brown OE: *Pediatric Endoscopic Sinus Surgery Course*. Amer. Acad. Otolaryngology Annual Meeting, Kansas City, MO. September 22, 1991.
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45. Manning SC: *"Sinusitis"*. Children's Medical Center Noon Conference, Children's Medical Center at Dallas, Dallas, Texas. October 30, 1991.
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48. Manning SC: *"Medical and Surgical Management of Pediatric Sinusitis"*. Presented at the Second Annual Reno Nevada Endoscopic Sinus Surgery, Reno, Nevada. January 21, 1992.
49. Manning SC: *"Pediatric Sinus Developmental Anatomy"*. Presented at the Advance Concepts in Endoscopic Sinus Surgery, Salt Lake City, Utah. January 22, 1992.
50. Manning SC: *"Medical and Surgical Management of Pediatric Sinus Disease"*. Presented at the Advance Concepts in Endoscopic Sinus Surgery, Salt Lake City, Utah. January 24 & 26, 1992.
51. Manning SC: *"Otologic and Airway Considerations in Patients with Craniofacial Syndromes"*. Presented to Baylor Dental School, Dallas, Texas. February 25, 1992.
52. Manning SC: *"Tonsillectomy and Adenoidectomy"*. Presented at the Children's Medical Center at Dallas Noon Conference. March 9, 1992.
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56. Manning SC: "Treatment of Sinusitis". Presented at the Academy of Family Practice, Dallas, Texas. May 5, 1992.
57. Manning SC: "Chronic Sinusitis as a Manifestation of Primary Immunodeficiency in Adults". Presented at the American Rhinologic Society Annual Meeting, Washington, DC. September 12, 1992.
58. Brown OE, Manning SC: "Pediatric Nasal Obstruction". Instructional course presented at the American Academy of Otolaryngology Annual Meeting, Washington, DC. September 14, 1992.
59. Manning SC, Schaefer SD, Brown OE: "Endoscopic Sinus Surgery in the Pediatric Age Group - Limitations and Applications", Instructional Course, Annual Meeting of the American Academy of Otolaryngology, Washington, DC. September 15, 1992.
60. Manning SC: Moderation of Panel Discussion of Pediatric Sinusitis. Amer. Acad. of Pediatrics, San Francisco, California. October 11, 1992.
61. Manning SC: "Medical Management of Sinusitis". Presented to North Texas Family Practice Assn., McKinney Texas. October 25, 1992.
62. Manning SC: "Adult Sinusitis". Presented to the Pulmonary Medicine Dept. UT Southwestern Medical Center at Dallas, Dallas, Texas. November 20, 1992.
63. Manning SC: "Pediatric Sinusitis". Seminar presented at the Society for Ear, Nose, and Throat Advances in Children. Toronto Canada. December 5, 1992.
64. Manning SC: "Fungal Sinusitis, Surgical Techniques, Pediatric Sinus Anatomy, and Allergy and Immunology in Pediatric Sinusitis". Presented at the Functional Endoscope Sinus Surgery 6th Course, University of Utah, Salt Lake City, Utah. February 11-14, 1993.
65. Manning SC: "Asthma and Sinusitis". Presented at the Southern Pediatric Otolaryngology Study Group, 3rd Annual Meeting, New Orleans, Louisiana. February 27, 1993.
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67. Manning SC: "Results of Endoscopic Sinus Surgery in Pediatric Patients with Recurrent Sinusitis and Asthma". Presented at the American Society of Pediatric Otolaryngology 8th Annual Meeting, Los Angeles California. April 21, 1993.
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69. Manning SC: "Pediatric Sinusitis". Presented at Children's Medical Center at Dallas Noon Conference, Dallas, Texas. May 6, 1993.
70. Manning SC: "Pediatric Neck Masses". Presented at Children's Medical Center at Dallas Noon Conference, Dallas, Texas. May 27, 1993.
71. Manning SC: "Aspirated Foreign Objects". Presented at Children's Medical Center at Dallas Noon Conference, Dallas, Texas. June 10, 1993.
72. Manning SC: "Tonsillectomy and Adenoidectomy: Science of Primary Care". Presented at the University of Texas Southwestern Medical Center at Dallas, Dallas, Texas. June 17, 1993.
73. Manning SC: "Pediatric Sinusitis". Presented at the 24th Annual Otolaryngologic Conference - Pediatric Update, Galveston, Texas. June 26, 1993.
74. Manning SC: Visiting Professor at Federacion de Sociedades y Colegios de Otorhinolaryngologo de la Republica de Mexico, Curso de Cirugia Endoscopia Nasal, Aguascalientes, Mexico. August 7-9, 1993.
75. Manning SC: "Pediatric Sinusitis". Presented at the Dallas Academy of Otolaryngology, Dallas, Texas. September 9, 1993.
76. Brown OE, Manning SC: "Nasal Obstruction". Presented at the American Academy of Otolaryngology Course, Minneapolis, Minnesota. October 4, 1993.
77. Manning SC: Lusk R, Wald E, Richardson M: "Controversies in Pediatric Sinusitis". Panel Discussion at the American Academy of Otolaryngology, Minneapolis, Minnesota. October 5, 1993.
78. Manning SC, Brown OE: "Pediatric Endoscopic Sinus Surgery: Indications and Limitations". Course presented at the American Academy of Otolaryngology, Minneapolis Minnesota. October 5, 1993.
79. Manning SC: Visiting Professor, "1 Curso Internacional de Cirugia Functional Endoscopia de los Senos Paranasales". Presented at Hospital Central Militar., Mexico City, Mexico. October 7-10, 1993.
80. Manning SC: "ENT Management in Down Syndrome". Presented at Children's Medical Center, Dallas, Texas. November 16, 1993.
81. Manning SC: "Sinusitis". Presented at Children's Medical Center Noon Conference, Dallas, Texas. November 29, 1993.
82. Manning SC: "Indications for Tonsillectomy". Presented at Children's Medical Center at Dallas Noon Conference, Dallas, Texas. December 1, 1993.
83. Manning SC: "Autoimmune Disease: Presenting as Upper Airway Obstruction in Children". Presented at The Society for Ear, Nose and Throat Advances in Children, Pittsburgh, Pennsylvania. December 3, 1993.

84. Manning SC: "Pediatric Sinusitis". Visiting Professor at New York Eye and Ear Infirmary, New York, New York. December 10, 1993.
85. Manning SC: "Tracheotomy". Adult Pulmonary Medicine Conference, University of Texas Southwestern Medical Center at Dallas, Dallas, Texas. January 7, 1994.
86. Manning SC: "Sinusitis". East Texas Medical Society, Athens, Texas. January 18, 1994.
87. Manning SC: "Neck Tumors, Tonsillitis, Sinusitis". Presented to the Adam Politzer Society, Querétaro, Mexico. February 18-19, 1994.
88. Manning SC: Moderator and Host, Southern Pediatric Otolaryngology Study Group. 11th Annual Meeting, Dallas, Texas. March 5-6, 1994.
89. Manning SC: Co-director, "Advanced Endoscopic Sinus Surgery". 12th Course UT Southwestern Medical Center at Dallas, Dallas, Texas. March 18-19, 1994.
90. Manning SC: "Fungal Sinusitis and Immunodeficiency - Current Trends in Rhinology". International Symposium, New York, New York. April 14-16, 1994.
91. Manning SC, Biavati M, Phillips D: "Correlation Between Clinical Sinusitis Signs and Symptoms to Image Findings in Pediatric Patients". American Society of Pediatric Otolaryngology, Palm Beach, Florida. May 12, 1994.
92. Biavati M, Manning SC, Phillips D: "Cost Versus Outcome in Pediatric Patients Undergoing Tonsillectomy and Adenoidectomy for Obstructed Breathing During Sleep". American Society of Pediatric Otolaryngology, Palm Beach, Florida. May 12, 1994.
93. Manning SC: "Pediatric Sinusitis". Texas Medical Association, Austin, Texas. May 13, 1994.
94. Manning SC: "Aspirated and Ingested Foreign Bodies". Pediatric Noon Conference at Children's Medical Center of Dallas, Dallas, Texas. May 16, 1994.
95. Manning SC: "Neck Masses". Pediatric Noon Conference at Children's Medical Center of Dallas, Dallas, Texas. May 18, 1994.
96. Manning SC: "Pediatric Sinusitis". Family Practice Conference at University of Texas Southwestern Medical Center of Dallas, Dallas, Texas. June 3, 1994.
97. Manning SC: Sinusitis workshop. Smith Kline Beecham, San Diego CA. September 17, 1994.
98. Manning SC, Biavati M: "Pediatric Sinusitis". Instructional Course. American Academy of Otolaryngology, San Diego, California. September 18, 1994.
99. Brown OE, Manning SC, Mabry R: "Pediatric Nasal Obstruction". Instructional Course. American Academy of Otolaryngology, San Diego, California. September 19, 1994.
100. Manning SC: "Pediatric Sinusitis". American Academy of Otolaryngology Society of Head and Neck Nurses, San Diego, California. September 19, 1994.

101. Manning SC: "Sinusitis". Allergy Conference, University of Texas Southwestern Medical Center at Dallas, Dallas, Texas. October 6, 1994.
102. Manning SC: "Sinusitis, Sinus Surgery, Pediatric Airway". Federacion y Sociedades de Otorino. de la Republica de Mexico, Aguscalientis, Mexico. October 11-16, 1994.
103. Manning SC: "Pediatric Head and Neck Masses". American Academy of Pediatrics, Dallas, Texas. October 23, 1994.
104. Stool S, Manning SC, Brown OB: "Otitis Media Workshop". American Academy of Pediatrics, Dallas, Texas. October 24, 1994.
105. Manning SC: "Immunodeficiency and Sinusitis". Pan American Otolaryngology Conference, Isla de Margarita, Venezuela. November 3, 1994.
106. Manning SC: "Pediatric Endoscopic Sinus Surgery". Loyola University Advanced Sinus Surgery Course, Buena Vista, Florida. November 26, 1994.
107. Liu J, Manning SC: "Intracranial Suppurative Complications of Pediatric Sinusitis". Southern Section Triologic Meeting, Key West, Florida. January 6, 1995.
108. Manning SC: "'FESS' When and Where Pediatrics for the Primary Care Physician". (Medical City) Dallas, Texas. January 28, 1995.
109. Manning SC: "Pediatric Sinusitis Update". Visiting Professor, University of Washington Department of Otolaryngology, Seattle, Washington. February 1, 1995.
110. Manning SC: "Pediatric Case Presentations". Pediatric Otolaryngologic Southern Section Study Group, Atlanta, Georgia. February 25-26, 1995.
111. Manning SC: Course Director, 13th Advanced Endoscopic Sinus Surgery Course, Dallas, Texas. March 18-19, 1995.
112. Manning SC: "Pediatric Sinusitis". Noon Conference. Children's Medical Center at Dallas, Dallas, Texas. April 10, 1995.
113. Manning SC: "Tonsillectomy - Adenoidectomy". Noon Conference. Children's Medical Center at Dallas, Dallas, Texas. April 12, 1995.
114. Manning SC: "Upper Airway Obstruction". Otolaryngologic Nurses Association, Dallas, Texas. April 22, 1995.
115. Manning SC: "Obstructive Sleep Apnea and Aspirated and Ingested Foreign Bodies". Denver Pediatric Otolaryngology Update, Denver, Colorado. April 12, 1995.
116. Manning SC: "Pediatric Sinusitis". Houston Otolaryngology Association, Houston, Texas. May 18, 1995.
117. Manning SC: "Obstructed Breathing During Sleep". UT Southwestern Medical Center at Dallas, Dallas, Texas. June 2, 1995.
118. Manning SC: "Pediatrics Sinusitis". 7th Annual Nursing Conference. Children's Medical Center at Dallas, Dallas, Texas. June 10, 1995.

119. Manning SC: "Ear Infections and Hearing". Presented to the Cleft Palate Parent Group. Children's Hospital and Medical Center, Seattle Washington. September 13, 1995.
120. Manning SC: "Otitis Media and Emerging Bacterial Resistance". Society of Otolaryngology Nurses, New Orleans, Louisiana. September 18, 1995.
121. Manning SC: "Pediatric Endoscopic Sinus Surgery Course". American Academy Otolaryngology, New Orleans, Louisiana. September 19, 1995.
122. Manning SC: "Pediatric Sinusitis". Children's Hospital, Upper Respiratory Infection Update, Dallas, Texas. September 22, 1995.
123. Manning SC: "Otitis Media Practice Management Guidelines". Nurse Practitioner Association, Seattle, Washington, November 2, 1995.
124. Manning SC: "Pediatric Sinusitis". Dale Chihully's Boathouse, Seattle, Washington, November 2, 1995.
125. Manning SC: "Pediatric Sinusitis, Endoscopic Techniques, Coding". University of Washington Sinus Course, Seattle, Washington. November 10, & 11, 1995.
126. Manning SC: "*Pediatric Sinusitis*". Tacoma, Washington. November 30, 1995.
127. Manning SC: "*Otitis Media Practice Management Guidelines*". Monroe Washington Pediatricians, Monroe, Washington. January 6, 1996.
128. Manning SC: "CT and MR Diagnosis of Allergic Fungal Sinusitis". Western Section Triological Society, Los Angeles, California. January 13, 1996.
129. Manning SC: "Allergic Fungal Sinusitis". Western Section American Society of Pediatric Otolaryngology, Denver, Colorado. January 21, 1996.
130. Manning SC: "Obstructed Breathing During Sleep in Children". Children's Hospital and Medical Center Craniofacial Staff Meeting, Seattle, Washington. February 12, 1996.
131. Manning SC: "Pediatric Sinusitis". Monroe Valley General Pediatrics, Monroe, Washington. March 11, 1996.
132. Manning SC: "Otitis Media Guidelines". Grand Rounds at Children's Hospital and Medical Center, Seattle, Washington. March 14, 1996
133. Manning SC: "Resistant *Streptococcus pneumoniae* in Otitis Media". Eastside Pediatricians - Carrillon Point, Bellevue, Washington. March 14, 1996.
134. Manning SC: "Pediatric Sinusitis". Resident Conference at Children's Hospital & Medical Center, Seattle, Washington. March 19, 1996.
135. Manning SC: "Resistance Bacteria and Changing Guidelines in Otitis Media". Tacoma Pediatricians, Pacific Rim Restaurant, Tacoma, Washington. March 20, 1996.

136. Manning SC: "Vocal Cord Paralysis in Infants". University of Washington Laryngology Course, Seattle, Washington. March 22, 1996.
137. Manning SC: "Pediatric Sinusitis" Visiting Professor, Cornell Medical Center - New York Hospital, New York City, New York. April 29, 1996.
138. Manning SC: "Medical Management in Pediatric Sinusitis". Panel: Am. Society Ped. Otolaryngol./Am. Rhinologic Soc. at COSM in Orlando, Florida. May 6, 1996.
139. Manning SC: "Polyps in Children". Panel: Am. Acad. Otolaryngic Allergy, at COSM, Orlando, Florida. May 7, 1996.
140. Manning SC: "Penicillin Resistant Streptococcal Pneumoniae in Otitis Media", Society of Otolaryngology Head and Neck Nurses at COSM, Orlando, Florida. May 8, 1996.
141. Manning SC: Children's Hospital Grand Rounds Case Review: Patient with Aspirated Foreign Body. May 23, 1996
142. Manning SC: Course Director: "Pediatric URI Update" at Children's Hospital & Medical Center, Seattle, Washington. June 1, 1996.
143. Manning SC: "Otitis Media--Resistant Strep Pneumo and Practice Management Guidelines". Everett Pediatricians. June 19, 1996.
144. Manning SC: "Indications for Pediatric Sinus Surgery" and "Sinus Surgery Technique". Children's Hospital/Pittsburgh, Annual Pediatric Otolaryngology Update, Pittsburgh, Pennsylvania. July 19-20, 1996.
145. Stool S, Manning SC: "Otitis Media Workshop," Children's Hospital & Medical Center, Seattle, Washington. August 17, 1996.
146. Manning SC: "Management of Pediatric Sinusitis", Am. Acad. Otolaryngologic Allergy, Washington D.C. September 28, 1996.
147. Manning SC: "Endoscopic Sinus Surgery Course". Am. Acad. Otolaryngology, Washington D.C. September 30, 1996.
148. Manning SC: "Pediatric Sinusitis" and "Resistant Bacteria in Otitis Media" Visiting Professor, Columbia University, Pediatric Otolaryngology Update, New York, New York. October 5, 1996.
149. Manning SC: II Simpósio Internacional de Otorrinolaringologia pediátrica e fonoaudiologia. 7 lectures, Sao Jose do Rio Preto, Brazil. October 15-18, 1996.
150. Manning SC: II Jornada de Otorrino pediatria. 7 lectures, Uberlandia, Brazil. October 24-26, 1996.
151. Manning SC: "Pediatric Sinusitis". Valley Medical Center Pediatrics, Renton, Washington. October 28, 1996.

152. Manning SC: 14th Endoscopic Sinus Surgery Course, University Texas Southwestern, "Asthma and Immunodeficiency" and "Fungal Sinusitis". Dallas, Texas. November 2,3, 1996.
153. Manning SC: Seattle Orthodontic Study Group, "Chronic Nasal Obstruction: Effect on Facial Growth". Seattle, Washington. November 21, 1996.
154. Stool SE, Manning SC: "Second Otitis Media Workshop". Children's Hospital & Medical Center, Seattle, Washington. January 23, 1997.
155. Manning SC: Meeting Coordinator - American Society of Pediatric Otolaryngology Western Section, Seattle, Washington. January 25, 1997.
156. Manning SC: "Fungal Sinusitis". Fred Hutchinson Cancer Research Center, Seattle, Washington. January 29, 1997.
157. Manning SC: "Pediatric Sinusitis". Pediatric Resident Noon Conference, Children's Hospital & Medical Center, Seattle, Washington. February 4, 1997.
158. Manning SC: "Pediatric Sinusitis, Obstructive Sleep Apnea, Patterns of Bacterial Resistance, Otitis Media Practice Guidelines, Pediatric Head and Neck Masses, Sinus Surgical Technique". University of Chicago Mid-Winter Meeting, Snomass, Colorado. February 18-20, 1997
159. Manning SC: "Patterns of Bacterial Resistance in Otitis Media". Bristol-Myers Medical Education Program, Snoqualmie, Washington. March 8, 1997.
160. Manning SC: "Pediatric Sinusitis". Northwest Academy of Otolaryngology, Whistler, Canada. April 13, 1997
161. Manning SC: "Further Evidence for Allergic Pathophysiology in Allergic Fungal Sinusitis". Triological Society, Scottsdale, AZ. May 13, 1997.
162. Manning SC: "Pediatric Sinusitis". Valley Medical Center Pediatrics, Renton, Washington. May 27, 1997.
163. Manning SC: "Fungal Sinusitis". Alumni Day, University of Washington Department of Otolaryngology, Seattle, Washington. June 6, 1997.
164. Manning SC: "Primary Immunodeficiency". First International Symposium of Pediatric Otolaryngologic Infectious Disease, Aspen, Colorado. August 10, 1997.
165. Manning SC: "Otolaryngology Manifestations of Child Abuse". Society for Otolaryngology Head and Neck Nursing, San Francisco, California. September 8, 1997.
166. Manning SC: "Pediatric Sinus Surgery Course". American Academy of Otolaryngology, San Francisco, California. September 8, 1997.
167. Manning SC: "Neck Masses, Sinusitis, Imaging Diagnosis, Otitis Media Workshop". II Congresso da Interamerican Association of Pediatric Otolaryngology, Sao Paulo, Brazil.

September 21-24, 1997.

168. Manning SC: "Resistant Organisms in Upper Respiratory Tract Infections". Tacoma Pediatrics, Tacoma, Washington. November 21, 1997.
169. Manning SC: "Pediatric Sinusitis". Children's Hospital Pediatric Resident Noon Conference, Seattle, Washington. March 3, 1998.
170. Manning SC: "Indications for Pediatric Sinus Surgery". Virginia Bloedel 5<sup>th</sup> Annual Conference: Otolaryngology Update, Austin, Texas. March 6, 1998.
171. Manning SC: "Pharmacotherapy for Rhinitis in Kids". University of Washington Nursing Conference, Shoreline, Washington. March 11, 1998.
172. Manning, SC: "Treatment of the Draining Ear". Eastside Pediatricians Meeting, Bellevue, Washington. April 8, 1998
173. Manning SC: "Glottic/Subglottic Reconstruction". E/M Laryngeal Disorders, University of Washington, Seattle. April 24, 1998.
174. Manning, SC: "Sinusitis en los niños: Indicaciones y técnica quirúrgica, mesa redonda: Resistencia bacteriana en otitis media, obstrucción de la vía aérea en el niño". XLVIII Congreso Nacional de la Sociedad Mexicana de Otorrinolaringología y Cirugía de Cabeza y Cuello A.C. Guadalajara, Mexico. May 1-4, 1998.
175. Stool SE, Manning SC: "Fourth Otitis Media Workshop". Children's Hospital & Regional Medical Center, Seattle, Washington. May 21, 1998.
176. Manning SC: "Pediatric Head & Neck Trauma". Madigan Trauma Course, Tacoma, WA. August 7, 1998
177. Manning SC: "Pharmacotherapy for Pediatric Rhinosinusitis". American Academy of Otolaryngic Allergy, San Antonio, Texas. September 11, 1998.
178. Manning SC: "Pediatric Sinus Surgery Course". American Academy of Otolaryngology-Head and Neck Surgery, San Antonio, Texas. September 15, 1998.
179. Manning SC: Pediatric Sinus Panel. Western Section Triologic Society, Denver, CO. January 8-10, 1999.
180. Manning SC: "Otorrhea". Northwest Academy of Otolaryngology, Whistler Canada. January 15-18, 1999.
181. Manning SC: "Fungal Sinusitis", "Radiographic Diagnosis", "Indications and Techniques for Pediatric Sinus Surgery". Los Angeles Study Club, Los Angeles, California. January 29-31, 1999.
182. Stool S., Manning SC: "5<sup>th</sup> Otitis Media Workshop". Children's Hospital & Regional Medical Center, Seattle, Washington. April 1, 1999.
183. Manning SC: "Pediatric Sinusitis, Sinus Surgery, and Fungal Sinusitis". Third

- International Symposium on Rhinitis, Sinusitis, and Asthma. Porto Alegre, Brazil. April 16-18, 1999.
184. Manning SC with Lusk R, McGill T, Parsons D, and Triglia JM: "Difficult Cases in Pediatric Sinusitis – Panel". American Society of Pediatric Otolaryngologists, Palm Desert, California. April 28-30, 1999.
  185. Manning SC: "Pediatric Sinusitis". Visiting Professor, University of California- San Francisco, San Francisco, California. May 6, 1999.
  186. Manning SC: "Pediatric Sinusitis and Sinus Panel". Texas Medical Association, Dallas, TX. May 7, 1999.
  187. Manning SC: "Obstructive Sleep Disorders in Children". University of Washington, Seattle, WA, June 23, 1999.
  188. Stool S., Manning SC: "6<sup>th</sup> Otitis Media Workshop". Children's Hospital & Regional Medical Center, Seattle, WA. August 10, 1999.
  189. Manning SC: "Obstructed Breathing During Sleep; Sinusitis and Immunodeficiency; Radiographic Imaging in Sinusitis; Update of Surgical Technique in Sinus Surgery". III Curso Internacional de Otorrinolaringologia Pediatrica, Foz de Iguacu, Brazil, August 19-21, 1999.
  190. Manning SC: "Treatment of Chronic Otorrhea" TideWater Otolaryngology & Ophthalmology Society, Virginia Beach, VA, September 23, 1999.
  191. Manning SC: "Fungal Sinusitis". Visiting Professor, Eastern Virginia Medical College, Norfolk, VA, September 24, 1999.
  192. Manning SC: "Pediatric Sinus Course". American Academy of Otolaryngology Head & Neck Surgery, New Orleans, Louisiana, September 27, 1999.
  193. Manning SC, Lusk R, Bower C: "Pediatric Sinusitis Mini-Seminar". American Academy of Otolaryngology Head & Neck Surgery, New Orleans, Louisiana, September 28, 1999.
  194. Manning SC: "Pediatric Sinusitis Medical and Surgical Treatment; Update on Otis Media; Evaluation of Pediatric Neck Masses", Symposium de Otorrinolaringologia Pediatrica, Aguascalientes, Mexico, January 22, 2000.
  195. Manning SC: "Sinusitis Imaging", Advances in Otolaryngology Head & Neck Surgery, 7<sup>th</sup> Annual Scientific & Seminar, Scottsdale, Arizona, February 24, 2000.
  196. Manning SC: "Allergic Fungal Rhinosinusitis", Rhinosinusitis Contemporary Issues and Controversies, 13<sup>th</sup> Annual Cherry Blossom Conference, Washington, D.C., March 24, 2000.
  197. Manning SC: "Allergic Fungal Sinusitis, Radiographic Assessment, Pediatric Sinusitis", Rhinology 2000, Sao Paulo Brazil, April 27-29, 2000.
  198. Manning SC: "Pediatric Sinusitis Panel" with Charles Gross, Rod Lusk and Mark

- Richardson, American Society Pediatric Otolaryngology, Orlando, FL, May 17, 2000.
199. Manning SC, Stool S: "Otitis Media Workshop", Seattle, WA., September 14, 2000.
  200. Manning SC: "Pediatric Sinus Surgery and Craniofacial Management Courses", AAO-HNSF Annual Meeting, Washington, D.C., September 25-27, 2000.
  201. Manning SC: "Pediatric Sinusitis", FESORMEX, Mazatlan, Mexico, October 7-10, 2000.
  202. Manning SC: "Pediatric Sinusitis, Fungal Sinusitis, Medical Management", 27<sup>th</sup> Pan American Congress Otorhinolaryngology, Lima, Peru, November 7-11, 2000.
  203. Manning SC: "Pediatric Sinusitis" and Program Chair, NW Acad. Otolaryngology Winter Meeting, Whistler, Canada, January 13-15, 2001.
  204. Manning SC: "Ped. Sinus Med. Management, Ped. Sinus Surg. Management, Fungal Sinusitis, Decision Making in Pediatric Airway Obstruction, Otitis Media Update, Pediatric Neck Masses", Otolaryngology Update - Oto Research Foundation and Tripler Army Medical, Hawaii, February 17-24, 2001.
  205. Manning SC: Sinusitis Panel with Frank Virant, David Kennedy, Am. Academy Allergy & Asthma, New Orleans, LA, March 19, 2001.
  206. Manning, SC: "Orbital Inflammation," University of Washington Otolaryngology Resident Lecture Series, April 26, 2001.
  207. Manning, SC. Children's Hospital and Regional Medical Center Grand Rounds "Management of Chronic Otitis Media with Effusion," April 26, 2001.
  208. Manning SC: "Nasal Masses," University of Washington Otolaryngology Resident Lecture Series, June 6, 2001.
  209. Manning SC: "Management of Pediatric Sinusitis" and "Orbital Inflammation," New Mexico Otolaryngology Society, Santa Fe, NM, August 3-4, 2001.
  210. Manning, SC, Biavati M., "Indications for Pediatric Sinus Surgery," American Academy Otolaryngology Annual Meeting, Denver, CO, September 9, 2001.
  211. Sie, K, Manning SC, Inglis AF, Perkins, JA, "Otolaryngol Management of Craniofacial Syndroms," American Academy Otolaryngology Annual Meeting, Denver, CO, September 9, 2001.
  212. Manning, SC: "Indications for Tympanostomy Tubes", "Obstructive Sleep Apnea Syndrome in Children", Fungal Sinusitis", Otitis Media Update", "Pediatric Sinusitis", 23<sup>rd</sup> Annual FESORMEX Society, Mazatlan, MX, October 10-14, 2001.
  213. Manning SC. "Fungal Sinusitis, Indications for Pediatric Sinus Surgery". University California San Francisco Otolaryngology Update, November 1 – 2, 2001.
  214. Manning, SC. "Surgical Intervention for Sinusitis in Children", Endoscopic Sinus Surgery Course, University of Washington, November 9 – 10, 2001.

215. Manning SC. "Otitis Media Update". NW Pediatricians, Four Seasons Hotel, Seattle, WA, December 4, 2001.
216. Manning SC. "Congenital Vascular Lesions: Otolaryngology Update". Scottsdale, AZ, February 19, 2002.
217. Manning SC. "Pediatric Sinusitis". Am Acad Allergy Asthma & Immunology, New York, NY, March 6, 2002.
218. Manning SC. "Pediatric Sinusitis" & "Grand Rounds". Minnesota Acad Otolaryngology & University of Minnesota, Minneapolis, MN, April 9, 2002.
219. Manning SC. "Antibiotic Therapy for Sinusitis" – Panel – Am Rhinologic (COSM), Boca Raton, FL, May 11, 2002.
220. Manning, SC. "Otitis Media" Dinner Talk – Canlis Restaurant, Seattle, WA – Pediatricians, May 2002
221. Manning, SC. "The Chronically Draining Ear in Children", Capital Region Oto Update, Manchester, VM, June 6, 2002.
222. Manning, SC. "Otitis Media" Everett, WA Pediatricians – June 5, 2002.
223. Manning SC. "Vascular Malformations" and "Orbital Inflammation" Visiting Professor Alumni Day University of Texas Southwestern Department of Otolaryngology June 14, 2002.
224. Manning SC. "Indications for Sinus Surgery" and "Orbital Inflammation" Madigan Otolaryngology Update August 4, 2002.
225. Manning SC. "Indications for Sinus Surgery in the Pediatric Age Group" Instruction course American Academy of Otolaryngology – Head and Neck Surgery Annual Meeting, San Diego, CA, September 22, 2002.
226. Manning SC. "Update on Otitis Media" and "Pediatric Sinusitis" Family Practice Update, Four Seasons Hotel, Seattle, WA December 14, 2002.
227. Manning SC. "Update on Biofilms for Otolaryngology" Otolaryngology Issues Conference, Rome, Italy, February 18 – 23, 2003.
228. Manning SC. "Otolaryngology Outreach in Under Developed Countries" Western Section American Society of Pediatric Otolaryngology, Vancouver, Canada, March 1, 2003.
229. Manning SC. "Pediatric Sinusitis" Panel with Craig Derkay and Michael Poole. Advances in Otolaryngology, Amelia Island, FL, March 19, 2003.
230. Manning SC. Grand Rounds: "Vascular Anomalies" Lectures: "Orbital Inflammation", "Pediatric Airway Management", "Sinusitis", Visiting Professor University of Alberta, Edmonton, Canada, April 4, 2003.

231. Manning SC. "Sinus Panel". Alumni Day University of Washington, Seattle, WA, June 20, 2003.
232. Manning SC. "Airway Reconstruction", "Sinusitis", "Otitis Media". El Instituto Nacional de Pediatría. VIII Curso en otorrinolaringología y patología de cabeza y cuello pediatría. Mexico City, Mexico, June 2003.
233. Manning SC. "Endoscopic Sinus Surgery in the Pediatric Age Group". American Academy of Otolaryngology-Head and Neck Surgery Instruction Course, Orlando, FL, September 23, 2003.
234. Manning SC. "Orbital Inflammation", "Neck Abscess" and "Management of the Draining Ear". Family Medicine Infectious Disease Update, Four Seasons Hotel, Seattle, WA, December 13, 2003.
235. Manning SC. "Vascular Anomalies" and "Orbital Inflammation". University of Colorado Mid-Winter Meeting. Vail, Co, February 2-3, 2004.
236. Manning SC. "Allergic Fungal Sinusitis and the 32<sup>nd</sup> Parallel". American Rhinologic Society, COSM, Phoenix, AR, May 1, 2004.
237. Manning SC. "Anatomic Differences in Pediatric Laryngomalacia". American Society of Pediatric Otolaryngology, COSM, Phoenix, AR, May 2, 2004.
238. Manning SC. "Pediatric Sinusitis", "Vascular Anomalies". Mississippi Society of Otolaryngology, Point Clear, Alabama, June 3-6, 2004.
239. Manning SC. "Management of the Draining Ear". Seattle, WA, June 17, 2004.
240. Manning SC. "Pediatric Sinusitis". Madigan Pediatric Head & Neck Disease, Tacoma, WA, August 6, 2004.
241. Manning SC. "Endoscopic Sinus Surgery in the Pediatric Age Group". Academy course. American Academy of Otolaryngology Head & Neck Surg, New York, NY, September 20, 2004.
242. Manning SC. "Geographic differences in prevalence of allergic fungal sinusitis". University of Pittsburgh Festschrift for Charles D. Bluestone. Pittsburgh, PA, September 23, 2004.
243. Manning, SC. "Management of Pediatric Sinusitis". Orange County Otolaryngology Society. Irvine, CA, November 10, 2004.
244. Manning SC. "Pediatric Sinusitis: Diagnosis and Medical Management". "Vascular Anomalies: Diagnosis and Treatment", "Pediatric Sinusitis: Surgical Therapy", "Glottic and Subglottic Stenosis". 37<sup>th</sup> Brazilian National Otolaryngology Conference; November 16-18, 2004, Fortaleza, Brazil.
245. Manning SC. "Update on Management of Vascular Anomalies in the Pediatric Age Group", "Pediatric Sinusitis", "Endoscopic Repair of Posterior Glottic Stenosis", Update

- of Laryngomalacia Management". 73<sup>rd</sup> Mid-Winter Clinical Conference. Research Study Club of Los Angeles; Los Angeles, CA; January 21-22, 2005.
246. Manning SC. "Laryngomalacia". University of Colorado MidWinter Meeting; Vail, CO; February 1-3, 2005.
  247. Manning SC. "Otolaryngology Considerations in Management of Autoimmune Airway Disease". Pediatric Endocrine Team Conference. Children's Hospital & Regional Medical Center, Seattle, WA; February 4, 2005.
  248. Manning SC. "Airway Decision Making", "OR Safety". University of Washington Otolaryngology Resident Conference; Seattle, WA; April 20, 2005.
  249. Manning SC. "Oral Board Exam Review". University of Washington Otolaryngology Resident Conference; Seattle, WA; May 4, 2005.
  250. Manning SC. "Pediatric Sinusitis". Pacific Coast Otolaryngology-Ophthalmology Society; Vancouver, CA; June 25, 2005.
  251. Manning SC. "Pediatric Sinusitis", "Allergic Fungal Sinusitis", "Laryngomalacia". University of Wisconsin Otolaryngology Update; Beaver Creek, CO; July 22-25, 2005.
  252. Manning SC. "Moderator – Vascular Anomalies Mini-Seminar". American Academy of Otolaryngology-Head and Neck Surgery; Los Angeles, CA; September 27, 2005.
  253. Manning SC. "Lymphatic Malformations". Vascular Anomaly Study Group; New York Presbyterian Hospital; New York, NY; December 10, 2005.
  254. Manning SC. "Pediatric Sinusitis". Providence Family Practice Infectious Disease Seminar; Seattle, WA; December 16, 2005.
  255. Manning SC. "OR Safety, Toyota Method and the Art of Doubles". Northwest Academy of Otolaryngology; Whistler, B.C.; January 15, 2006.
  256. Manning SC. "Pediatric Sinusitis", "Laryngomalacia". University of Colorado Mid-Winter Meeting; Vail, CO; January 29-31, 2006.
  257. Manning SC. "Vascular Anomalies". Oregon Health Science University, Department of Otolaryngology-Head and Neck Surgery Visiting Professor; Portland, OR; February 6, 2006.
  258. Manning SC. "OR Safety". Portland Otolaryngology Society; Portland, OR; February 6, 2006.
  259. Manning SC. "Pediatric Sinusitis". University of Cincinnati, Department of Otolaryngology-Head and Neck Surgery Visiting Professor; Cincinnati, OH; February 14, 2006.
  260. Manning SC. "OR Safety". Cincinnati Otolaryngology Society; Cincinnati, OH; February 15, 2006.

261. Manning SC. "Future of Pediatric Otolaryngology" and "OR Safety – Toyota Method". University of Texas Southwestern Medical Center, Dallas, TX; June 2, 2006.
262. Manning SC. "Cranial Nerve Preservation in Lymphatic Malformation Surgery", Immune Deficiency and Lymphatic Malformation". International Society for Study of Vascular Anomalies (ISSVA). Milan, Italy; June 7 – 10, 2006.
263. Manning SC. "Sinusitis", "Vascular Anomalies", and "Fungal Sinusitis". Department of Otolaryngology, University Sao Jose do Rio Preto; Rio Preto, Brazil; October 4 – 6, 2006.
264. Manning SC. "Sinusitis", "Increasing Bacterial Resistance", Orbital Cellulitis", and "Laryngomalacia". Mexican Otolaryngology National Meeting (FESORMEX), Monterray, Mexico; October 25-28, 2006.
265. Manning SC. "Pediatric Sinusitis". Anchorage Otolaryngology Society; Anchorage, AK; December 12, 2006.
266. Manning SC. "Pediatric Sinusitis". Department of Otolaryngology Grand Rounds, University of .
267. Manning SC. "Oto manifestations of chronic vasculitis," Rheumatology Conference, Mar 5, 2007.
268. Manning SC. Visiting Professor Columbia Univ New York, "sinusitis", and "vascular anomalies", May 24, 2007
269. Manning SC. Am Acad Otolaryngology Washington DC, "Ear tube miniseminar" and "Lymphatic Malformation Course", Sept 15-18, 2007.
270. Manning SC. Visiting Professor, Univ Santiago, Santiago Chile, "ped sinusitis, neck masses, vascular anomalies, fungal sinusitis", Oct 1-3, 2007.
271. Manning SC, Virant F. Am Acad Pediatrics, San Francisco, Pediatric Sinusitis Seminar. Oct 29, 2007.
272. Manning SC. Visiting Professor, Yale University New Haven Conn. " ped sinusitis", nov 2, 2007.
273. Manning SC. University Colorado MidWinter Update. "Orbital Inflammation" and "Future of Pediatric Otolaryngology Training", Jan 26-31, 2008.
274. Manning SC. Western Section Triological. "Pediatric Sinusitis" Palm Springs, Feb 1, 2008.
275. Manning SC. Visiting Professor Stanford Univ. "Pediatric Sinusitis" and "OR Safety and Toyota Method" Feb 28, 2008.
276. Manning SC. Washington Advocacy Week –representing ACS and ASPO, Mar 8-11, 2008.

277. Manning SC. Virginia Mason Oto Update "Pediatric Sinusitis" Mar 29, 2008.
278. Manning SC. University of Pittsburgh. "Pediatric Sinusitis" Nov 12, 2008
279. 24<sup>th</sup> Annual Providence Infectious Disease Conference. "Pediatric Sinusitis" Dec 11, 2008.
280. Northwest Academy of Otolaryngology, Seattle, WA. "Pediatric Otolaryngology" Jan 9, 2009.
281. University of Miami. "Pediatric Sinusitis" Jan 15, 2009.
282. Southern Section Pediatric Otolaryngology. "Otolaryngology World Outreach" Jan 16, 2009.
283. Seattle Children's Pediatric Conference. "Pediatric Sinusitis" April 29, 2009.
284. Texas Medical Association. "Pediatric Sinusitis" May 1, 2009.
285. Perkins J and Manning SC American Academy Otolaryngology "Lymphatic Malformation – Course" – Oct 4, 2009.
286. Manning SC, Lusk R, Park A, Yellon R, Ramadan H. "Update on Pediatric Rhinosinusitis" Am Acad Otolaryngology Oct 7, 2009.
287. Manning SC. "Pediatric Sinusitis" – U Washington Dept Otolaryngology Resident Conference Oct 14, 2009.
288. Manning SC "Ped sinus, laryngomalacia, vascular anomalies, branchial anomalies, etc" FESORMEX, Villahermosa MX Oct 28-31, 2009.
299. Manning SC. "Rhinology Panel" -Northwest Academy Otolaryngology, Jan 8, 2010, Seattle WA.
300. Manning SC. "Ped sinus, neck mass evaluation, common calls from the ED" - Montana Oto Soc, Big Sky MT, Feb 19-21, 2010.
- 301. Manning SC "Ped sinus, OR safety" - Edmonton Oto Soc, Lake Louise CA March 5-7, 2010.**
- 302. Manning SC "Ped sinus, OR safety" - Johns Hopkins Oto dept, Baltimore MD, March 11, 2010.**
- 303. Manning SC. Courses - Lymphatic Malformations and Hemangiomas - Am Acad Oto, Boston MA, Sept 26-29, 2010. .**
- 304. Manning SC. "Ped Sinus" - UW Primary Care , Seattle WA Oct 9, 2010.**
- 305. Manning SC. "Common dilemmas in ped oto", NWAO, Seattle WA Jan 8, 2011.**
- 306. Manning SC "Hearing Loss Seminar" - Triological Soc, Scottsdale AZ Jan**

27-30,2011.

307. Manning SC "Orbital Inflammation" and " Oto Outreach-a Global Perspective"- University of Colorado Midwinter Meeting Feb 14, 2011.

308. Manning SC " Neurosensory hearing loss", "Pediatric sinusitis", Orbital inflammation", Allergic fungal sinusitis", Vascular malformations". Colombian Association of Otorhinlaryngology Head Neck Maxillofacial and Aesthetic Surgery (ACORL), Cartagena Columbia, May 18-21, 2011.

309. Manning SC "OR Safety and the Toyota Method" and "Pediatric Sinusitis" - Cleveland Clinic Graduation Day Guest Professor, June 24, 2011.

310. Manning SC. Allergic Fungal Sinusitis – UW Sinus Course – Harborview Seattle 8/25/2011.

311. Manning SC "Lymphatic Malformation Course", "Hemangioma of Infancy Course", "Rhinologic Committee Drugs and Devices Sinus Panel (inflammation), "Pediatric Committee Sinus Panel", American Academy Otolaryngology Head Neck Surgery Sept 2011.

312. Manning SC. "Orbital decompression and allergic fungal sinusitis" SOAR course Seattle 10/27/2011.

313. Manning SC "neck mass, pediatric sinus," 7<sup>th</sup> IAPO Congress Sao Paulo Brazil, 11/18/2011.

314. Manning SC. "orbital decompression" ISIS UW course, Seattle 12/14/2011

315. Manning SC " Ped sinus panel" Northwest Academy Otolaryngology, Seattle 1/6/12,

316. Manning SC, Conley S, Messner A, Yellin R, MacArthur C. Vascular Anomaly Panel. Triological Soc. Miami FL 1/26/2012.

317. Manning SC. "Propranolol treatment for hemangiomas" U Colorado Midwinter Meeting, 2/3/2012.

318. Manning SC. "Allergic fungal sinusitis" UW resident conference, 2/13/2012.

319. Manning SC "OR Safety and Pediatric Sinusitis" UC Irvine Otolaryngology Update, Palm Desert, 2/18/12

320. Manning SC. "Oto manifestations of autoimmune disease" Rheumatology resident lecture 4/13/12.

321. Manning SC, Perkins JA. "Hemangioma and Lymphatic Malformation courses" – Am Academy of Otolaryngology, Washington DC, 9/9/2012.

322. Manning SC. "Ped Sinus, evaluation of stridor, MRSA, biofilms, neck mass, etc" 7 Jornada Internacional de Otorrinolaringologia Pedatrica and Fonoaudiologia, Sao Jose Do Rio Preto, Brazil, 10/17/2012.

323. Manning SC. Toyota Method – Ped Oto Chief meeting Seattle 12/21/2012.
324. Manning SC. 1/31/2013. Allergic Fungal Sinusitis, SOAR course Seattle
325. Manning SC. “Branchial Cleft Cysts” Univ Colorado Midwinter Meeting, 2/3/2013.
326. Manning SC. “OR Safety”, Urology Conference, Seattle 3/25/13.
327. Manning SC. Poster- Fine Needle Aspiration Biopsy of Pediatric Thyroid Masses, Am Soc Pediatr Oto, Arlington VA, 4/2/2013/
328. Manning SC. Seattle Conversations in Ped Oto – “Sustainability”. Sept 27,2014
329. Manning SC. AAO – Lymphatic Malformation and Hemangioma Academy courses, “Intractable Sinusitis and other Conundrums” symposium.
330. Manning SC. Tympanic membrane Repair and OR Safety – First Caribbean Practical Pediatric Otolaryngology October 23, 2013
331. Manning SC. Chronic Rhinosinusitis-UW Resident Series, 11/20/2014
332. Manning SC. AFS SOARs course. 12/9/2014.
333. Manning SC. Management of Pediatric Thyroid malignancies. Univ Colorado Midwinter Meeting. 2/3/2014
334. Manning SC. Orbital inflammation. SOARS spring course 3/2/2014
335. Manning SC. Moderator: Vascular Anomaly Task Force – 5/15/2014
336. Manning SC. PanAmerican Congress Otolaryngol., Cartagena Columbia: Lymphatic malformations, Ped Sinus – orbit, surgery, med management, vascular malformations 10/25/14
337. Manning SC. ISIS lab – orbit, 12/3/14
338. Manning SC Trio Soc San Diego – Vice President Address 1/22/15
339. Manning SC. San Miguel de Allende Oto Soc – Ped sinus (all), vascular malformation, branchial anomalies, T&A, subglottic stenosis, otitis media, 1/29/15
340. Manning SC. Univ Colorado, Management of post op T&A pain, 2/1/15
341. Manning SC. SOARS orbit, 3/26/15
342. Manning SC. COSM Boston – first place video – Nasal Meningocele 4/22/15
343. Manning SC. National Congress Oto Mexico, Veracruz, Ped Sinus, branchial anomalies, otitis media, vascular anomalies

- 344. Am Acad Oto Dallas, Indications for Tympanostomy Tube symposium, Ped Thyroid Study Group**
- 345. Second Caribbean Ped Oto conference, San Juan PR, allergic rhinitis – 10/15/15**
- 346. Manning SC. ISIS orbit, 11/1/15**
- 347. Manning SC. Triologic Miami – Ped Sinus panel, 1/22/16**
- 348. Manning SC. Univ Colorado, post op T&A pain 1/24/16**
- 349. Manning SC SOARS orbit 3/10/16**
- 350. Manning SC. Ped Oto Update Seattle – Ped Sinus Guidelines, Ped Neck Mass 5/14/16**
- 351. Manning SC. Eur Soc Ped Oto, Lisbon, fine needle aspiration sensitivity and specificity. 6/18/16**
- 352. Manning SC. Ped Thyroid Symposium SCH – organizer and moderator**
- 353. Manning SC. FESORMEX/ third course in Ped Oto, Puebla. Ped sinus, OM, neck mass**
- 354. Manning SC. SOARS – 10 tips for ped nose, 11/16/16**
- 355. Manning SC. SENTAC Orlando – Ped thyroid cancer panel, 12/12/16**
- 356. Manning SC. Oto Manifestations of Rheumatologic Disease, 2/9/17**
- 357. Manning SC. SOARS sinus course, “Pediatric Rhinitis”, 3/10/17**
- 358. Manning SC. SCH Oto Update: “Otitis Media, Chronic Nasal Discharge”, 4/8/17**
- 359. Manning SC. COSM Annual Meeting, San Diego, Panel: Tonsillectomy Complications, 4/28/17**
- 360. Manning SC. South Pacific ORL Forum, Honolulu: “Branchial fistulae, Adenotonsillectomy indications, CHARGE syndrome management”. 7/9/17**
- 361. Manning SC. American Thyroid Assn Annual Meeting – Victoria BC, Canada. “Surgical Management of Papillary Carcinoma in Pediatric Patients. 10/21/17.**
- 362. Manning SC. Univ Colorado Midwinter Meeting- Vail CO “Otolaryngological manifestations of child abuse”. 2/17/18**
- 363. Manning SC. European Society of Pediatric Otolaryngology – Stockholm Sweden. “Building a Pediatric Thyroid Center via Management of Pediatric Thyroid Cancer. 6/3/18.**
- 364. Manning SC. Pacific Coast Assn. Otolaryngology and Ophthalmology. Coeur de Lane ID. “OR Safety and Efficiency, Pediatric Thyroid Surgery, Pediatric Sinusitis, Office Ultrasound for Head and Neck Surgeons, Optimizing Outcomes with Tonsillectomy”**

**6/23/18.**

Updated 03/05/07