

## CURRICULUM VITAE

**JOEL D. SWARTZ, M.D.**

**TITLE:** President, Germantown Imaging Associates

### **EDUCATION:**

1963-67 Devilbiss High School Toledo, Ohio

1967-71 Ohio State University Columbus, Ohio  
B.S. (Mathematics)

1971 -75 George Washington University College of Medicine M.D.

### **GRADUATE TRAINING:**

1975-76 Internship (Flexible):  
Riverside Methodist Hospital  
Columbus, Ohio

1976-79 Residency in Radiology  
University of Michigan Medical Center

### **CERTIFICATION:**

June 1979 American Board of Radiology  
November 1995 Certificate of Added Qualification (CAQ) in  
Neuroradiology

### **PROFESSIONAL SOCIETIES:**

Radiological Society of North America  
American Society of Neuroradiology  
American Society of Head and Neck Radiology  
American Society of Spine Radiology  
Pennsylvania Medical Society  
Philadelphia County Medical Society  
American Roentgen Ray Society  
American College of Radiology

Eastern Neuroradiological Society  
American Medical Association  
American Society of Spine Radiology

**LICENSURE:**

1980-	Commonwealth of Pennsylvania
1985-	State of New Jersey
1988-	State of Delaware Valley Medical Management
1996-	State of South Carolina
1996-	State of Maryland
1997-	State of Ohio
1996-	State of Florida
2001-	State of Virginia
2002-	State of Maine
2002-	State of Illinois
2002-	State of New York

**PROFESSIONAL APPOINTMENTS:**

1979-81 Fellow in Neuroradiology

Hospital of the University of Pennsylvania

Philadelphia, Pennsylvania

1981-85

Assistant Professor

Department of Radiologic Sciences

The Medical College of Pennsylvania

Philadelphia, Pennsylvania

1985-90

Associate Professor

Department of Radiologic Sciences  
The Medical College of Pennsylvania  
Philadelphia, Pennsylvania

1990-94  
Professor

Department of Radiologic Sciences  
The Medical College of Pennsylvania  
Philadelphia, Pennsylvania

1994-present  
Adjunct Professor

Department of Radiologic Sciences  
MCP Hahnemann University  
MCP Division (The Medical College of Pennsylvania)  
Philadelphia, Pennsylvania

1991-1999  
Chairman

Department of Radiology  
The Germantown Hospital and Medical Center  
Philadelphia, Pennsylvania

**PROFESSIONAL APPOINTMENTS (continued):**

1999-present  
Neuroradiologist

Staff

Cooper Hospital/University Medical Center

Department of Radiology

Camden, New Jersey

1999-present  
Neuroradiologist

Staff

Graduate Hospital

Department of Radiology

Philadelphia, Pennsylvania

**EDITORIAL RESPONSIBILITIES:**

1983-present  
Radiology -Head and Neck Section

1991-present  
AJNR -Head and Neck Section

Editorial Advisory Board-Temporal Bone

(1992-1997)

Annotated Bibliography Section (1993

-1997)

1993-present  
Neuroradiology -Reviewer

1995-present  
RadioGraphics -Reviewer

1995, 1996, 2000,  
2001, 2002

American Society of Neuroradiology

Scientific Paper Reviewer

**EDITORIAL CONSULTANT:**

1994  
Syllabus, Core Curriculum Course in Neuroradiology,

American Society of Neuroradiology, R.G. Ramsey,

Syllabus Editor, ASNR

**COMMITTEES:**

1994

Awards Committee,

American Society of Head and Neck

Radiology

1999

Membership Committee,

American Society of Head and Neck

Radiology

1995-1996

Executive Committee, Member at Large,

American Society of Head and Neck

Radiology

1996-1999

Executive Committee, Treasurer,

American Society of Head and Neck

Radiology

**COMMITTEES (continued):**

1999-2000

Executive Committee, Vice-President,

American Society of Head and Neck Radiology

2000-2001

Executive Committee, President-elect

American Society of Head and Neck Radiology

2001-2002 Executive Committee, President

American Society of Head and Neck Radiology

2002-present  
Executive Committee, Past President

American Society of Head and Neck Radiology

2002-present  
Chairman, Nominating Committee

American Society of Head and Neck Radiology

2002-present  
Chairman, Gold Medal Award Committee

American Society of Head and Neck Radiology

**TEXTBOOK:**

Swartz JD  
Imaging the Temporal Bone: A Text/Atlas.  
Thieme Medical Publishers, Inc., New York, 1986

Swartz JD, Harnsberger HR  
Imaging the Temporal Bone, Edition II  
Thieme Medical Publishers, Inc., New York, 1992

Swartz JD, Harnsberger HR  
Imaging the Temporal Bone, Edition III.  
Thieme Medical Publishers, Inc., New York, 1998.

Harnsberger HR, Wiggins RH, Swartz JD, Hudgins PA  
Temporal Bone: Top 100 Diagnoses Pocket Radiologist Series  
Amirsys Publishers, April 2003.

## **TEXTBOOK CHAPTERS:**

Swartz JD “Inflammatory Disease” in Bergeron RT, Som PM, editors Head And Neck Imaging, 2<sup>nd</sup> Edition, C.V. Mosby, St. Louis 1990, Section Four pp. 993-1029.

Swartz JD “Trauma and Miscellaneous Disorders” in Bergeron RI, Som PM, editors Head and Neck Imaging, 2<sup>nd</sup> Edition, C.V. Mosby, St. Louis 1990, Section Five pp. 1029-1 046.

Swartz JD “Temporal Bone Inflammatory Disease” in Som PM, Curtin HD, editors Head and Neck Imaging, 3<sup>rd</sup> Edition, C.V. Mosby, St. Louis, Chapter 29, pp.1391-1424.

Swartz JD “Temporal Bone Trauma” in Som PM, Curtin HD, editors Head and Neck Imaging, 3<sup>rd</sup> Edition, C.V. Mosby, St. Louis, Chapter 30, pp. 1425-1431.

Hasso AN, Opp RL, Swartz JD “Otosclerosis and Dysplasia of the Temporal Bone” in Som PM, Curtin HD, editors Head and Neck Imaging, 3<sup>rd</sup> Edition, C.V. Mosby, St. Louis, Chapter 31, pp.1432-1448.

Nemzek W, Swartz JD “Inflammatory Disease” in Som PM, Curtin HD, editors Head and Neck Imaging, 4<sup>th</sup> Edition, Mosby-Yearbook, St. Louis, in press.

Swartz JD “Trauma” in Som PM, Curtin HD editors Head and Neck Imaging, 4<sup>th</sup> Edition, Mosby-Yearbook, St. Louis, in press.

## **GUEST EDITOR:**

Seminars in Ultrasound, CT and MRI. June 1989 issue “The Temporal Bone.”

Seminars in Ultrasound, CT and MRI. June 1993 issue “The Central Skull Base and Basilar Cisterns”.

Seminars in Ultrasound, CT and MRI. December 1993 issue “Practical Spine Imaging, Part I, Low Back Pain and Lumbar Radiculopathy”.

**CO-EDITOR:**

Seminars in Ultrasound, CT and MRI, 1994-present

**MODERATOR FOR SCIENTIFIC SESSION:**

American Society of Head and Neck Radiology, May 13-20, 1993,  
Temporal Bone Study Group. Vancouver Convention Center, Vancouver,  
British Columbia, Canada.

Radiological Society of North America, December 2, 1992.  
“Head and Neck Radiology (The Temporal Bone).” Chicago, Illinois.

Radiological Society of North America, December 1, 1994.  
“Temporal Bone/Sinus” Chicago, Illinois.

American Society of Neuroradiology, April 23-27, 1995, Special Focus Session,  
“The Temporal Bone”, 33<sup>rd</sup> Annual Meeting, Chicago, Illinois.

Moderator, Scientific Session, International Congress of Head and Neck  
Radiology, Strasbourg, France, October 15-18, 1997.

Moderator, Scientific Session, Radiological Society of North America, (Sinuses and  
Mandible”, December 1, 2001.

Moderator, Scientific Session Neuroradiology-Head and Neck (Temporal Bone)  
Tuesday, December 3, 2002. RSNA, Chicago, IL.

Moderator, Scientific Session, ASNR Foundation Symposium & ASNR<sub>41st</sub>  
Annual Meeting, “Head and Neck: Miscellaneous”, Washington, D.C., April 29,  
2003.

Moderator, Focus Sessions, ASNR Foundation Symposium & ASNR<sub>41st</sub> Annual

Meeting, "Update on Lymphoma of the Head and Neck", Washington, D.C., April 29, 2003.

Neuroradiology/Head and Neck (Temporal Bone) Wednesday, December 3, 2003. Lakeside Center, RSNA 89th Scientific Assembly and Annual Meeting, Chicago, IL.

Neuroradiology/Head and Neck (Let's Hear It) Monday, December 1, 2003. RSNA 89th Scientific Assembly and Annual Meeting, Chicago, IL.

#### **PUBLISHED PAPERS:**

1. Swartz JD, Zimmerman RA, Bilaniuk LI: Computed tomography of intracranial ependymomas. *Radiology* 143:97-101, April 1982.
2. Swartz JD, Russell KB, Basile BA, O'Donnell PC, Popky GL: The high resolution CT appearance of the intrasellar contents in females of childbearing age. *Radiology* 147:115-118, April 1983.
3. Swartz JD, Faerber EN, Singh N, Polinsky MS: CT demonstration of cerebral subcortical calcifications. *Journal of Computer Assisted Tomography* 7(3):476-478, June 1983.
4. Swartz JD, Russell KB, Basile BA, O'Donnell PC, Popky GL: High resolution CT of the intrasellar contents: normal, near normal, and abnormal. *RadioGraphics*, Volume 3, Number 2, pp 228-247, Spring 1983.
5. Faerber EN, Swartz JD: Heterotopic pharyngeal brain. *AJNR* 4(4):989-990, July/August 1983.
6. Swartz JD, Puleo S: Fractures of the C1 vertebra: Report of two cases documented with computed tomography. *CT: The Journal of Assisted Tomography*, Volume 7(3):311-314, 1983.
7. Haney P, Gellad F, Swartz JD: Aneurysmal bone cyst of the spine:

Computed tomographic appearance. CT: The Journal of Assisted Tomography, Volume 7(3):319-322, July 1983.

8. Swartz JD: High resolution computed tomography of the middle ear and mastoid Part I: Normal Radioanatomy including normal variations. Radiology 148:449-454, August 1983.
9. Swartz JD, Goodman RS, Russell KB, Marlowe Fl, Wolfson RJ: High resolution computed tomography of the middle ear and mastoid Part II: Tubotympanic disease. Radiology 148:455-459, August 1983.
10. Swartz JD, Goodman RS, Russell KB, Ladenheim SE, Wolfson RJ: High resolution computed tomography of the middle ear and mastoid Part III: Surgically altered anatomy and pathology. Radiology 148:461-464, August 1983.
11. Swartz JD, Parker JA, Marlowe Fl, Meltzer SB, Russell KB, Popky GL: High resolution CT of palpable masses of the neck and face. RadioGraphics, Volume 3, Number 4, 645-678, Autumn 1983.

**PUBLISHED PAPERS (continued):**

12. Swartz JD: Cholesteatomas of the middle ear: Diagnosis, etiology and complications. Radiological Clinics of North America, Volume 22, Number 1, pp 15-35, March 1984.
13. Swartz JD, Faerber E, Wolfson RJ, Marlowe Fl: Fenestral otosclerosis: Significance of preoperative CT evaluation. Radiology 151:703-707, June 1984.
14. Swartz JD, Russell KB, Wolfson RJ, Marlowe Fl: High resolution computed tomography of the temporal bone. Head and Neck Surgery 6:921-931, May/June 1984.
15. Swartz JD, Korsvik H: High resolution computed tomography of paragangliomas of the head and neck. CT: The Journal of Computed Tomography 8(3):197-202, July 1984.

16. Faerber EN, Griska LAB, Swartz JD, Capitanio MA, Popky GL: The role of digital subtraction angiography in pediatric cerebrovascular occlusive disease. *Radiology* 152:391-394, August 1984.
17. Swartz JD, Varghese S: Pars flaccida cholesteatoma as demonstrated by computed tomography. *Archives of Otolaryngology* 110:515-517, August 1984.
18. Swartz JD: The facial nerve canal: CT analysis with emphasis on diagnosis of the protruding tympanic segment. *Radiology* 153:443-447, November 1984.
19. Swartz JD, Korsvik H, Saluk P: High resolution computed tomography Part 1: Soft tissues of the neck. *Head and Neck Surgery* 7:73-80 September/October 1984.
20. Swartz JD, Saluk PH, Lansman A, Marlowe FI, Popky GL: High resolution computed tomography Part 2: The salivary glands and oral cavity. *Head and Neck Surgery* 7:150-161, November/December 1984

**PUBLISHED PAPERS (continued):**

21. Swartz JD, Faerber EN: Congenital malformations of the external and middle ear: High resolution CT analysis with emphasis on findings of surgical import. *American Journal of Neuroradiology* 6:71-76 January/February 1985 and *American Journal of Roentgenology* 144:501-506, March 1985.
22. Swartz JD, Wolfson RJ, Marlowe FI, Popky GL: Post inflammatory ossicular fixation: CT analysis with surgical correlation. *Radiology* 154:697-700, March 1985.
23. Saluk JD, Swartz JD, Korsvik H, Marlowe FI: High resolution computed

- tomography of the major salivary glands: Current status. CT: The Journal of Computed Tomography 9:39-50, January 1985.
24. Swartz JD, Lansman A, Marlowe FI and Popky GL: High resolution computed tomography Part 3: Larynx and Hypopharynx. Head and Neck Surgery 7: 231-242 January/February 1985.
  25. Swartz JD, Abaza NA, Hendler BH, Tidwell O, Popky GL: High resolution computed tomography Part 4: Evaluation of odontogenic lesions. Head and Neck Surgery 7:409-417, May/June 1985.
  26. Swartz JD, VanOerslice R, Hendler BH, Abaza NA, Lansman A and Popky GL: High resolution computed tomography Part 5: The temporomandibular joint. Head and Neck Surgery 7:468-478, July/August 1985.
  27. Swartz JD, Swartz NG, Korsvik H, Wolfson RJ, Hampel A, Lowry LO, Popky CL: Computed tomographic evaluation of the middle ear and mastoid for post-traumatic hearing loss. Annals of Otology, Rhinology and Laryngology 94:263-266, May/June 1985.
  28. Swartz JD, Bazarnic ML, Naidich TP, Lowry LD, Doan HI: Aberrant internal carotid artery lying within the middle ear: CT diagnosis and differential diagnosis. Neuroradiology 27(4):322-326, November 1985.
  29. Swartz JD, VanOerslice RB, korsvik H, Saluk PH, Popky GL, Marlowe FI, Wolfson RJ: High resolution computed tomography Part 6: Craniofacial Paget's disease and fibrous dysplasia. Head and Neck Surgery 8(1):40-47, September/October 1985.

**PUBLISHED PAPERS (continued):**

30. Swartz JD, Yussen PS, Mandell OW, Mikaelian OO, Berger AS, Wolfson RJ: The vestibular aqueduct syndrome: Computed tomographic appearance. Clinical Radiology 36:241-243, May 1985.
31. Swartz JD, Mandell OW, Berman SE, Wolfson RJ, Marlowe FI, Popky CL: Cochlear otosclerosis (otospongiosis): CT analysis with audiometric correlation. Radiology 155:147-150, April 1985.

32. Swartz JD, Wolfson RJ, Marlowe FI, Popky CL, Vernose CV, Mauriello AJ, Hampel A: External auditory canal dysplasia: CT evaluation. *The Laryngoscope* 95(7):841-845, July 1985.
33. Swartz JD, Mandell OW, Wolfson RJ, Marlowe FI, Popky CL, Silberman HO, Wilf H, Swartz NC: Fenestral and cochlear otosclerosis: Computed tomographic evaluation. *American Journal of Otology* 6(6):476-481, November 1985.
34. Swartz JD, Mandell OM, Faerber EN, Popky CL, Ardito JM, Steinberg SB, Rojer CL: Labyrinthine ossification: Etiologies and computed tomographic findings. *Radiology* 157:395-398, November 1985.
35. Swartz JD, Lansman AK, Berger AS, Wolfson RJ, Bell G, Popky CL, Swartz NC: Stapes prosthesis: Evaluation with CT. *Radiology* 158:179-182, January 1986.
36. Swartz JD, Nunnally JF, Yussen PS and Hendler BH. Trismus from myositis ossificans progressiva. *Journal of Oral and Maxillofacial Surgery* 44:818-821, 1986.
37. Swartz JD, Soyer A, Brown LW, Faerber EN, Stoutenger WA, Anzil AP: Computed tomography in global cerebral cortical ischemia of the neonate and young infant. *CT: The Journal of Computed Tomography* 10(3):243-247, July 1986.
38. Swartz JD, Glazer AU, Faerber EN, Capitanio MA, Popky GL: Congenital middle ear deafness: CT study. *Radiology* 159:187-190, 1986.
39. Swartz JD, Laucks RL, Berger AS, Ardito JM, Wolfson RJ, Popky CL: Computed tomography of the disarticulate incus. *Laryngoscope* 96(11):1207-1210, November 1986.

**PUBLISHED PAPERS (continued):**

40. Swartz JD, Korsvik H, Russell KB: High resolution computed tomography in the evaluation of hyperprolactinemia. *Radiation Medicine* 4(1):5-7, January-March 1986.

41. Swartz JD, Nunnely JF, Marlowe Fl, Berger AS, Ardito JM, Surkin MI, Popky CL: CT for parotid neoplasia: A new look. *Journal of Computed Tomography* 11:239-246, 1987.
42. Swartz JD, Berger AS, Zwillenberg 5, Popky CL: Ossicular erosions in the dry ear: CT diagnosis. *Radiology* 163:763-765, June 1987.
43. Swartz JD, Berger AS, Zwillenberg 5, Granoff DW, Popky CL: Synthetic ossicular replacements: Normal and abnormal CT appearance. *Radiology* 163:766-768, June 1987.
44. Faerber EN, Grover WD, DeFillip CJ, Capitanio MA, Liu TH, Swartz JD. Cerebral MR of Menke's Kinky Hair Disease. *AJNR* 10(1):190-192, January/February 1989.
45. Swartz JD. How I do it: Current imaging approach to the temporal bone. *Radiology* 171 :309-317, May 1989.
46. Swartz JD, Zwillenberg 5, Berger AS. Acquired disruptions of the incudostapedial joint: CT. *Radiology* 171:779-781, June 1989.
47. Swartz JD. Otosclerosis, diagnosis and differential diagnosis. *Seminars in Ultrasound, CT and MR* 10(3):251 -261, June 1989.
48. Swartz JD, Rothman MI, Marlowe Fl, Berger AS. MR imaging for parotid mass lesions: Attempts at Histopathologic differentiation. *Journal of Computed Assisted Tomography* 13(5):789-796, Sept/Oct 1989.
49. Swartz JD. Listening for something new. *Seminars in Ultrasound, CT and MR*. Guest Editor Introduction 10(3):p. 171, 1989.
50. Swartz JD. The temporal bone: Imaging considerations. *CRC Critical Review in Diagnostic Imaging* 30(4):341-417, 1990.
51. Swartz JD, D'Angelo AJ, Harnsberger HR, Zwillenberg 5, Marlowe Fl. The laryngeal mucocele: Imaging analysis of a rare lesion. *Clinical Imaging* 14(2): 110-115, 1990.

PUBLISHED PAPERS (continued):

52. Swartz JD, Harnsberger HR. The temporal bone: Magnetic Resonance Imaging. *Top. Mag. Res. Im.* 2(4):1-16, Sept. 1990.
53. Swartz JD. The petrous bone. *Current Opinion in Radiology* 2:83-92, 1990.
54. Swartz JD, Yussen PS. Imaging of the Neck: Acquired non-nodal disease. *CRC Critical Reviews in Diagnostic Imaging*, 31(3,4):471-547,1991.
55. Swartz JD, Yussen PS. Imaging of the neck: Nodal disease. *CRC Critical Reviews in Diagnostic Imaging*, 31 (3,4):413-469, 1991.
56. Faerber EN, Swartz JD. Imaging of neck masses in infants and children. *CRC Critical Reviews in Diagnostic Imaging*, 31 (3,4):283-314,1991.
57. Merenich WM, Swartz JD, Yussen PS, Silberstein S. The foramen ovale: MR and CT evaluation. *Clinical Imaging* 15(1 ):20-30, 1991.
58. Swartz JD. Sensorineural Hearing Loss: Imaging Evaluation. *Imaging* 4(3):137-149, 1991.
59. Marlowe 5K, Swartz JD, Koenigsberg RA, Zwillenberg 5, Marlowe Fl and Looby C: Metastatic Hypernephroma to the Larynx: An Unusual Presentation. *Neuroradiology* (1993) 35(3):242-243.
60. Altman N, Brunberg JA, Elster AD, George AE, Hackney OB, Lufkin RB, Ross JS, Smith AS, Swartz JD, Wolpert SM. Annotated bibliography. *AJNR Am J. Neuroradiol.* 1993 Mar-Apr; 14(2):501-505.
61. Som PM, Curtin HO, Holliday RA, Hasso AN, Mancuso AA and Swartz JD: Head and Neck Radiology, RSNA '92 Meeting Notes, *Radiology* 186:607-608, 1993.
62. Swartz JD. MR Imaging of the Temporal Bone and Adjacent Skull Base, *Body MRI Imaging 1993 Categorical Course*: 115-224.
63. Swartz JD. Letter from the Guest Editor Protrusion, Extrusion.. .Confusion! *Seminars in Ultrasound, CT and MR*, 1993 Vol. 14 (6):383-384.

**PUBLISHED PAPERS (continued):**

64. Yussen PS and Swartz JD. The Acute Lumbar Disc Herniation: Imaging Diagnosis in Ultrasound, CT and MR, 1993 Vol. 14(6):389-398.
65. Ostrum BJ, Romy M, and Swartz JD. Pathophysiologic Basic of Lumbar Disc Degeneration: Imaging Analysis, Seminars in Ultrasound, CT and MR, 1993 (14) (6): 399-403.
66. Holliday RA, Curtin HO, Mafee MF, Reede DL, Smoker WRK, Som PM and Swartz RD. Head and Neck Radiology –RSNA 93 Meeting Notes, Radiology 1994; 190: 614-617.
67. Mukherji SK, Mancuso AA, Koetzur I, Slattery WH, III, Swartz JD, Tart RP and Nail A. CT Appearance of the Post-Operative Temporal Bone: A Pictorial Essay, AJR, 1994, 163:1467-1471.
68. Altman N, Brunberg JA, Elster AD, George AE, Hackney DB, Lufkin RB, Ross JS, Swartz JD, Weissman JL, Wolpert SM. Annotated bibliography. AJNR AM J Neuroradiol. 1994 Feb;15(2):398-400.
69. Altman N, Brunberg JA, Elster AD, George AE, Hackney OB, Lufkin RB, Ross JS, Swartz JD, Weissman JL, Wolpert SM. Annotated bibliography. AJNR AM J Neuroradiol. 1994 Mar;15(3):597-600.
70. Altman N, Brunberg JA, Elster AD, George AE, Hackney DB, Lufkin RB, Ross JS, Swartz JD, Weissman JL, Wolpert SM. Annotated bibliography. AJNR AM J Neuroradiol. 1994 Apr;15(4):798-800.
71. Altman N, Brunberg JA, Elster AD, George AE, Hackney OB, Lufkin RB, Ross JS, Swartz JD, Weissman JL, Wolpert SM. Annotated bibliography. AJNR AM J Neuroradiol. 1994 May;15(5):1000.
72. Altman N, Brunberg JA, Elster AD, George AE, Hackney OB, Lufkin RB, Ross JS, Swartz JD, Weissman JL, Wolpert SM. Annotated bibliography. AJNR

AM J Neuroradiol. 1994 June;1 5(6):1 196-1200.

73. Swartz JD. Letter from Editor, Seminars in Ultrasound, CT and MRI, June 1994, Volume 15, No. 3, page 159.
74. Altman N, Brunberg JA, Elster AD, George AE, Hackney OB, Lufkin RB, Ross JS, Swartz JD, Weissman JL, Woipert SM. Annotated bibliography. AJNR AM J Neuroradiol. 1994 Oct;1 5(9):1 798-1800.

**PUBLISHED PAPERS (continued):**

75. Swartz JD. Letter from Editor, Seminars in Ultrasound, CT and MRI, December 1994, Volume 15, No. 6, 423.
76. Swartz JD. Letter from Editor, Seminars in Ultrasound, CT and MRI, June 1995, Volume 16, No. 3, pages 173-1 74.
77. Koenigsberg RA, Zito JL, Patel M, Swartz JD, Coldofsky E and Zahtz C: Fenestration of the Internal Carotid Artery: A Rare Mass of the Hypotympanum Associated with Persistence of the Stapedial Artery: AJNR 16:908-910, April 1995.
78. Swartz JD, Daniels DL, Harnsberger HR, Shaffer KA, and Mark L: Anatomic Moment: "The Temporal Bone", AJNR 16:2081-2084, Nov 1995.
79. Swartz JD. Letter from Editor, "Open Wide \_This Won't Hurt a Bit"; Seminars in Ultrasound, CT and MR1, December 1995, Volume 16, No. 6, pgs. 451 -452.
80. Mukherji SK, Curtin HO, Hudgins PA, Lufkin RB, Rao VM, Reede DL, Som PM, Swartz JD. "RSNA '95 Meeting Notes, Head and Neck Radiology", Radiology 1996; 198:616-618.
81. Swartz JD, Daniels DL, Harnsberger HR, Shaffer KA, and Mark L: Anatomic Moment: "Balance and Equilibrium, I: The Vestibule and Semicircular Canals", AJNR 17:17-21, January 1996.

82. Altman N, Brunberg JA, Elster AD, George AE, Hackney DB, Lufkin RB, Ross JS, Swartz JD, Weissman JL, Wolpert SM. Annotated bibliography. AJNR AM J Neuroradiol. 1996 Feb; 17(2):401 -404.
83. Altman N, Brunberg JA, Elster AD, George AE, Hackney OB, Lufkin RB, Ross JS, Swartz JD, Weissman JL, Wolpert SM. Annotated bibliography. AJNR AM J Neuroradiol. 1996 Mar; 17(3):601 -604.
84. Altman N, Brunberg JA, Elster AD, George AE, Hackney DB, Lufkin RB, Ross JS, Swartz JD, Weissman JL, Wolpert SM. Annotated bibliography. AJNR AM J Neuroradiol. 1996 Apr;17(4):803-804.

**PUBLISHED PAPERS (continued):**

85. Swartz JD, Daniels DL, Harnsberger HR, Shaffer KA, and Mark L: Anatomic Moment: “Balance and Equilibrium, II: The Retrovestibular Neural Pathway”, AJNR 17:1187-1190, 1996.
86. Altman N, Brunberg JA, Elster AD, George AE, Hackney DB, Lufkin RB, Ross JS, Swartz JD, Weissman JL, Wolpert SM. Annotated bibliography. AJNR AM J Neuroradiol. 1996 Jun-Jul;17(6):1201-1203.
87. Daniels DL, Swartz JD, Harnsberger HR, Shaffer KA, and Mark L: Anatomic Moment: “Hearing I: The Cochlea”, AJNR 17(6):1237-1241, 1996, Jun-Jul.
88. Swartz JD, Daniels DL, Harnsberger JL, Ulmer JL, Shaffer KA and Leighton MP. Anatomic Moment: “Hearing, II: The Retrocochlear Auditory Pathway”, AJNR 17:1479-1481, 1996.
89. Swartz JD. Sensorineural Hearing Deficit: A Systematic Approach Based on Imaging Findings, RadioGraphics, 16:561-574, 1996.
90. Swartz JD. Letter from Editor, Seminars in Ultrasound, CT and MRI, June 1996, Volume 17, No.3, pages 183-185.
91. Swartz JD. Letter from Editor, Seminars in Ultrasound, CT and MRI, December 1996, Volume 17, No. 6, pages 507-508.

92. Swartz JD. Temporal Bone II. Inflammatory Disease, Sensorineural Hearing Deficit, and the Neurovascular Compartments, RSNA Special Course in Head and Neck Imaging 1996; pp 133-141.
93. Altman N, Brunberg JA, Elster AD, George AE, Hackney DB, Lufkin RB, Ross JS, Swartz JD, Weissman JL, Wolpert SM. Annotated bibliography. AJNR AM J Neuroradiol. 1996 Oct; 17(9):1802-1804.
94. Altman N, Brunberg JA, Elster AD, George AE, Hackney DB, Lufkin RB, Ross JS, Swartz JD, Weissman JL, Wolpert SM. Annotated bibliography. AJNR AM J Neuroradiol. 1997 Jan;18(1 ):197-198.
95. Altman N, Brunberg JA, Elster AD, George AE, Hackney OB, Lufkin RB, Ross JS, Swartz JD, Weissman JL, Wolpert SM. Annotated bibliography. AJNR AM J Neuroradiol. 1997 Mar;18(3):597-600.

**PUBLISHED PAPERS (continued):**

96. Altman N, Brunberg JA, Elster AD, George AE, Hackney DB, Lufkin RB, Ross JS, Swartz JD, Weissman JL, Wolpert SM. Annotated bibliography. AJNR AM J Neuroradiol. 1997 Apr;18(4):795-799
97. Altman N, Brunberg JA, Elster AD, George AE, Hackney DB, Lufkin RB, Ross JS, Swartz JD, Weissman JL, Wolpert SM. Annotated bibliography. AJNRAM J Neuroradiol. 1997 May;18(5):997-1000.
98. Altman N, Brunberg JA, Elster AD, George AE, Hackney DB, Lufkin RB, Ross JS, Swartz JD, Weissman JL, Wolpert SM. Annotated bibliography. AJNR AM J Neuroradiol. 1997 Jun-Jul; 18(6):1196-1199.
99. Altman N, Brunberg JA, Elster AD, George AE, Hackney DB, Lufkin RB, Ross JS, Swartz JD, Weissman JL, Wolpert SM. Annotated bibliography. AJNR AM J Neuroradiol. 1997 Aug;18(7):1397-1400.
100. Altman N, Brunberg JA, Elster AD, George AE, Hackney OB, Lufkin RB, Ross JS, Swartz JD, Weissman JL, Wolpert SM. Annotated bibliography. AJNR Am J Neuroradiol. 1997 Sept;18(8):1597-1599.

101. Lo WWM, Daniels DL, Chakeres OW, Linthicum FH, Jr., Ulmer JL, Leighton PM and Swartz JD. Anatomic Moment: "The Endolymphatic Duct and Sac, AJNR 18:881-887, May 1997.
102. Swartz JD. Letter from Editor, Seminars in Ultrasound, CT and MRI, June 1997, Volume 18, No. 3, pages 155-156.
103. Kaji AV, Mohuchy I and Swartz JD. "Imaging of Cervical Lymphadenopathy". Seminars in Ultrasound, CT and MRI, July 1997, Volume 18, No. 3:pp 220-249.
104. Swartz JD. Letter from Editor, Seminars in Ultrasound, CT and MRI, December 1997, Volume 18, No.6, pages 155-156.
105. Swartz JD. Letter from Editor, Seminars in Ultrasound, CT and MRI, June 1998, Volume 19, No. 3.
106. Swartz JD. Letter from Editor, Seminars in Ultrasound, CT and MRI, December 1998, Volume 19, No. 6.

**PUBLISHED PAPERS (continued):**

107. Swartz JD, Harnsberger HR and Mukherju SJ. "The Temporal Bone: Contemporary Diagnostic Dilemmas", Radiologic Clinics N. Am. 1998; 36(5): 819-853.
108. Swartz JD. Letter from Editor, Seminars in Ultrasound, CT and MRI, June 1999, Volume 20, No. 3, pages 155-156.
109. Swartz JD. Meningeal metastases. Am J. Otol. 1999 Sep;20(5):683-685.
110. Swartz JD. Letter from Editor, Seminars in Ultrasound, CT and MRI, December 1999, Volume 20, No. 6.
111. Swartz JD. Letter from Editor, Seminars in Ultrasound, CT and MRI. June 2000, Volume 21, No. 3.

112. Swartz JD. Letter from Editor, Seminars in Ultrasound, CT and MRI. December 2000, Volume 21, No. 6.
113. Swartz JD. Temporal Bone Trauma. Seminars in Ultrasound, CT and MRI. June 2001 ;22(3):219-228.
114. Swartz JD. Letter from Editor, Seminars in Ultrasound, CT and MRI. June 2001, Volume 22, No. 3.
115. Swartz JD. Letter from Editor, Seminars in Ultrasound, CT and MRI. December 2001, Volume 22. No. 6.
116. Swartz JD. Letter from Editor, Seminars in Ultrasound, CT and MRI. June 2002, Volume 23, No. 3.

#### **FILM READING PANELS:**

“Computed Tomography of the Lumbar Spine”. Philadelphia, PA, Roentgen Ray Society, December 1982.

“Computed Tomography in Otolaryngology”. Philadelphia, PA., Roentgen Ray Society, March 1984.

“MRI in Neuroradiology”. Philadelphia, PA., Roentgen Ray Society, February 1988.

“Imaging in Otolaryngology”. Philadelphia, PA, Roentgen Ray Society, October 1989.

#### **PAPERS PRESENTED:**

“Fenestral Otosclerosis: Significance of Preoperative CT Evaluation”. Presented at the 69<sup>th</sup> Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, Illinois, November 1983.

“Post-Inflammatory Ossicular Fixation: CT Analysis with Surgical Correlation” presented at the 70<sup>th</sup> Scientific Assembly and Annual Meeting of the Radiological Society of North America, Washington, D.C., November 1984.

“CT of the Stapes Prosthesis: Normal Appearance/Poor Surgical Results” presented at the

<sup>71</sup>st Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, Illinois, November 17-22, 1985.

“Congenital Middle Ear Deafness: CT Study” presented at the <sup>71</sup>st Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, Illinois, November 17-22, 1985.

“Computed Tomography of the Disarticulated Incus” presented at the Eastern Section of the American Laryngological, Rhinological and Otological Society, Philadelphia, PA, January 30-February 1, 1986.

“CT for Parotid Neoplasia: A New Look” presented at the Annual Meeting of the American Roentgen Ray Society, Washington, D.C., April 13-18, 1986.

“Synthetic Ossicular Replacements: CT Appearance” presented at the <sup>72</sup>nd Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, Illinois, November 30-December 5, 1986.

“Ossicular Erosions in the Dry Ear: CT Diagnosis” presented at the <sup>72</sup>nd Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, Illinois, November 30-December 5, 1986.

“Incudostapedial Joint Revisited, .” presented at the International Congress of Head and Neck Radiology, Uppsala, Sweden, June 1988.

“Magnetic Resonance Imaging of the Intrasellar Contents in Normal Volunteers at 0.51,” presented at the <sup>74</sup>th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, Illinois, November 27-December 2, 1988.

“Acquired Disruptions of the Incudostapedial Articulation,” presented at the <sup>74</sup>th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, Illinois, November 27-December 2, 1988.

**PAPERS PRESENTED** (continued):

“MRI for Parotid Neoplasia: Histopathological Distinctions,” presented at the <sup>74</sup>th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, Illinois, November 27-December 2, 1988.

“Fenestration of the Internal Carotid Artery (R. Koenigsberg, 0.0.): A Rare Mass of the Hypotympanum”. American Society of Neuroradiology, Los Angeles, California, March 1990.

“Temporal Bone Abnormalities in Children with CHARGE Association” (PA Hudgins, M.D.) American Society of the Head and Neck Radiology, April 24-28, 1996.

### **SCIENTIFIC EXHIBITS:**

“High Resolution CT of the Middle Ear and Mastoid: Normal Pathologic, and Surgically Altered Radioanatomy”. Joel D. Swartz, Frank I. Marlowe, Robert J. Wolfson, Eric N. Faerber, Kamal Russell, George L. Popky. Presented at Symposium Neuroradiologicum, Washington, D.C. October 1982 and at the American Association of Otolaryngology –Head and Neck Surgery, Anaheim, October 1983.

“High Resolution CT of the Middle Ear and Mastoid: Normal, Pathologic, and Surgically Altered Radioanatomy”. Joel D. Swartz, Frank I. Marlowe, Robert J. Wolfson, Eric N. Faerber, Kamal Russell, George L. Popky. Presented at the Radiological Society of North America, Chicago, Illinois, November 1982.

“High Resolution CT of the Intracellular Contents: Normal, Near Normal and Abnormal”. Joel D. Swartz, Kamal Russell, Barbara A. Basile, Patricia C. O’Donnell, George L. Popky. Presented at the Radiological Society of North America, Chicago, Illinois, November 1982.

“High Resolution CT of Palpable Masses of the Neck and Face”. Joel D. Swartz, Kamal Russell, Frank I. Marlowe, Susan Meltzer, George L. Popky. Presented at the Radiological Society of North America, Chicago, Illinois, November 1982, The American Roentgen Ray Society, Atlanta, April 1983, and the American Association of Otolaryngology-Head and Neck Surgery, Anaheim, CA, October 1983.

“High Resolution CT of the Major Salivary Glands”. Joel D. Swartz, Patricia Saluk, Holly Korsvik, George Popky. Presented at the Radiological Society of North America in Chicago, Illinois, November 1983.

### **SCIENTIFIC EXHIBITS (continued):**

“High Resolution CT of the Craniofacial Osteodysplasias”. Joel D. Swartz, Holly

Korsvik, Robert VanOerslice, Patricia Saluk, George L. Popky. Presented at the Radiological Society of North America in Chicago, Illinois, November 1983.

“MRI of Palpable Masses of the Neck and Face”. Joel D. Swartz, Arleen J. Goldbacher, Alan S. Berger, Frank I. Marlowe, George L. Popky, M. Nathan Pinkney, Mary Ann Salerno, Delfin Bernal. Presented at the Radiological Society of North America in Chicago, Illinois, November 1988.

“The Cerebellar Peduncles: An Anatomic Study in Three Orthogonal Planes”. Mary S. Nulty, Joel D. Swartz, Curtis A. Wushensky, Philip S. Yussen, George L. Popky. Presented at the Radiological Society of North America in Chicago, Illinois, November 1988.

“MRI of the Normal and Abnormal Intrasellar Contents”. Alan U. Glazer, Joel D. Swartz, Barbara A. Basile, Patricia C. O’Donnell, Edward J. Gracely, George L. Popky. Presented at the Radiological Society of North America in Chicago, Illinois, November 1988.

“Internal Architecture of the Degenerated Disc: CT, MR Imaging and CT Discography Correlation”. Bernard J. Ostrum, Myron L. Blumberg, Donald S. Ostrum, Maurice Romy, Joel D. Swartz. Presented at the Radiological Society of North America in Chicago, Illinois, November 1989.

“Imaging of Facial Nerve Palsies: A Spectrum of Findings”. Tamara Mohuchy M.D., Arjun Kaji, M.D., Carol Dolinskas, M.D., Scott H. Faro, M.D., Joel D. Swartz and Vijay M. Rao, M.D., Presented at the Radiological Society of North America in Chicago, Illinois, November 1995.

#### **SPEAKING ENGAGEMENTS:**

“High Resolution CT in the Evaluation of Acoustic Neuroma”. Presentation at the Philadelphia Neurological Society Meeting, November 10, 1982 at the College of Physicians, Philadelphia, Pennsylvania.

“Newer Neuroradiologic Methods” - Grand Rounds Presentation. Department of Neurology, Medical College of Pennsylvania, 1982.

“High Resolution Computed Tomography of the Soft Tissues of the Neck and of the Temporal Bone” - Blue Ribbon Lecture Series, Philadelphia, December 1983.

“High Resolution Computed Tomography in Otolaryngology”. Philadelphia

Otolaryngologic Society, November 1983.

**SPEAKING ENGAGEMENTS** (continued):

“High Resolution Computed Tomography of the Soft Tissues of the Neck”. GE Medical Systems, Franklin Plaza, Philadelphia, December 1983.

“Non-traumatic Neurologic Disorders” Emergency Management of the Acutely Ill (with Radiologic Correlation) 3<sup>rd</sup> Annual Conference, Four Seasons Hotel, Philadelphia, September, 1984.

\* “CT of Soft Tissues of the Neck”. American Society of Head and Neck Radiology, Seattle, Washington, May 1986.

\* “CT of Congenital Anomalies of the Temporal Bone”. American Society of Head and Neck Radiology, Milwaukee, Wisconsin, May 23-31, 1987.

“MRI of the Head and Neck: MRI in Clinical Practice”. Sheraton Hotel at Straton Square, Pittsburgh, February 11, 1989.

\* “Inflammatory Disease of the Temporal Bone”. American Society of Head and Neck Radiology, Toronto, Ontario, May 1989.

\* “Inflammatory Disease of the Temporal Bone”. American Society of Head and Neck Radiology, New Orleans, Louisiana, May 1990.

\* “Nodal and Non-Nodal Diseases of the Neck”, “The Major Salivary Glands”, “Conductive Hearing Loss”, “Sensorineural Hearing Loss”. Head and Neck Imaging – An Update. October 14, 1990 Hyatt Regency Hotel, San Francisco (UCSF), CA.

“Sensorineural Hearing Loss –Part II”, “Conductive Hearing Loss –Part I”, “Conductive Hearing Loss –Part II”. Symposium on Diagnostic Imaging of the Temporal Bone. Cedars-Sinai MedicalCenter, Los Angeles, CA, December 8, 1990.

\* “Sensorineural Hearing Loss”, “Conductive Hearing Loss”, “Cervical Lymphadenopathy”. Head and Neck Imaging: Into the 90’s (Medical College of Pennsylvania, Bally’s Park Place Casino Hotel, Atlantic City, NJ, February 1-3, 1991.

\* “Inflammatory Disease of the Temporal Bone”. American Society of Head and Neck Radiology. Boston, Mass., April 3-7, 1991.

\* “IMRI of the Temporal Bone – Non-Neoplastic,” “Radiological Evaluation of Cervical Adenopathy.” Ritz-Carlton Hotel-Philadelphia, The University of Pennsylvania School of Medicine, October 21-22, 1991.

**SPEAKING ENGAGEMENTS (continued):**

“Radiologic Evaluation of Cervical Lymphadenopathy,” The University of Maryland Medical Center, December 13, 1991.

“The Temporal Bone: Recent Imaging Advances,” The College of Physicians, Philadelphia, PA, February 11, 1992.

“MRI of the Temporal Bone: Recent Developments,” Thomas Jefferson University Hospital, Philadelphia, PA, February 18, 1992.

“The Jugular Foramen and Facial Nerve,” Mercy Catholic Medical Center, Darby, Pennsylvania, March 18, 1992.

“New Techniques in Temporal Bone Imaging,” Laurie Imaging Center, University of Medicine & Dentistry of New Jersey, New Brunswick, New Jersey, March 25, 1992.

\* “Chronic Otomastoiditis, Acquired Cholesteatoma and Post-Op Ear,” presented at the 25<sup>th</sup> Annual Conference and Post-Graduate Course in Head and Neck Imaging, American Society of Head and Neck Radiology, Hotel Inter-Continental, Chicago, Illinois, April 22-26, 1992.

“CT and MRI of Temporal Bone and Related Diseases,” University of Medicine and Dentistry, New Jersey Medical School, Newark, New Jersey, April 30, 1992.

“Contemporary Issues in Temporal Bone Imaging,” The Reading Hospital and Medical Center, January 27, 1993.

“Contemporary Issues in Temporal Bone Imaging,” Philadelphia College of Osteopathic Medicine, February 15, 1993.

“Contemporary Issues in Temporal Bone Imaging,” Monmouth Medical Center, Long Branch, New Jersey, February 22, 1993.

“Contemporary Neuro/ENT Imaging,” Haverford Hospital, Philadelphia, Pennsylvania, March 17, 1993.

\* “Acute and Chronic Otomastoiditis”, American Society of Head and Neck Radiology, Vancouver Trade and Convention Centre, Vancouver, British Columbia, Canada, May 13-20, 1993.

\* “MR Imaging of the Temporal Bone and Adjacent Skull Base”, Categorical Course on Body Magnetic Resonance Imaging, Orlando, Florida, September 17-19, 1993.

**SPEAKING ENGAGEMENTS** (continued):

“Practical Temporal Bone Imaging: A Problem-Solving Approach”, RSNA <sup>7</sup>gth Scientific Assembly/Meeting, **Refresher Course**, McCormick Place, Chicago, November 28 – December 3, 1993.

“Temporal Bone”, Mercy Catholic Medical Center, Darby, Pennsylvania, April 27, 1994.

\* “Abnormalities of the Temporal Bone”, American Society of Head and Neck Radiology, Core Curriculum Course, Nashville, Tennessee, May 1-2, 1994.

\* “Contemporary Evaluation of Neurosensory Hearing Loss”, International Congress of Head and Neck Radiology, Washington, D.C., June 15-19, 1994.

“Introduction to Temporal Bone Imaging”, Philadelphia College of Osteopathic Medicine, Department of Otolaryngology, Philadelphia, PA, October 10, 1994.

“Introduction to Temporal Bone Imaging”, Albert Einstein Medical Center, Department of Radiology, Philadelphia, PA, November 2, 1994.

“Practical Temporal Bone Imaging: A Problem-Solving Approach”, RSNA <sup>8</sup>0th Scientific Assembly/Meeting, **Refresher Course**, McCormick Place, Chicago, November 27—December 2, 1994.

“Selected Temporal Bone Topics”, Mercy Catholic Medical Center, Darby, PA, March 15, 1995.

\* “Contemporary Approach to Sensorineural Hearing Loss”, Special Focus Session ASNR <sup>33</sup>rd Annual Meeting, Chicago, Illinois, April 23-27, 1995.

\* “Contemporary Approach to Sensorineural Hearing Loss”, Annual Conference and Post Graduate Course in Head and Neck Imaging, ASHNR, Pittsburgh, PA, May 17-21, 1995.

“An Approach to Conductive Hearing Loss”, Radiology Resident Lecture, Cleveland Radiological Society, Wyndham Hotel, Cleveland, Ohio, October 23, 1995.

“Contemporary Approach to Sensorineural Hearing Loss”, Cleveland Radiological Society, Wyndham Hotel, Cleveland, Ohio, October 23, 1995.

“Practical Temporal Bone Imaging: A Problem-Solving Approach”, RSNA <sub>81st</sub> Scientific Assembly/Meeting, Refresher Course, McCormick Place, Chicago, Ill, December 1, 1995.

### **SPEAKING ENGAGEMENTS (continued):**

“Imaging Approach to Conductive Hearing Loss”, Grady Memorial Hospital, Resident Conference, Visiting Professor, Emory University, December 12, 1995.

“Imaging Approach to Conductive Hearing Loss”, Resident Conference, Visiting Professor, Emory University Hospital, December 13, 1995.

“Imaging Approach to Sensorineural Hearing Loss”, Radiology Grand Rounds, Emory University Hospital, Visiting Professor, December 13, 1995.

“Selected Temporal Bone Topics”, Fitzgerald Mercy Catholic Medical Center, Darby, Pennsylvania, February 14, 1996.

“Imaging Approaches to Sensorineural Hearing Loss and Imaging Approaches to Conductive Hearing Loss”, University of Connecticut Health Center, March 13, 1996.

\* “Contemporary Approach to Sensorineural Hearing Loss”, Annual Conference and Post Graduate Course in Head and Neck Imaging, ASHNR, Los Angeles, California, April 24 -28, 1996.

“Temporal Bone II. Inflammatory Disease, Sensorineural Hearing Deficit, and the Neurovascular Compartments”, RSNA <sub>82nd</sub> Scientific Assembly/Meeting, **Categorical**

**Course**, McCormick Place, Chicago, December 6,1996.

“Selected Temporal Bone Topics”, Fitzgerald Mercy Catholic Medical Center, Darby, Pennsylvania, March 19, 1997.

“Contemporary Temporal Bone Imaging”, City Avenue Hospital, Philadelphia, PA, April 7,1997.

\* “Clinical Approach to Conductive Hearing Deficit” American Society of Head and Neck Radiology, Toronto, Ontario, Canada, May 17,1997.

\* “Imaging of Secondary Cholesteatoma”, International Congress of Head and Neck Radiology, Strasbourg, France, October 15-18, 1997.

“Temporal Bone II. Inflammatory Disease, Sensorineural Hearing Deficit, and the Neurovascular Compartments”, RSNA <sub>83rd</sub> Scientific Assembly/Meeting, **Categorical Course**, McCormick Place, Chicago, Illinois, December, 1997.

“The Facial Nerve Canal”, University of Utah School of Medicine, October 6-10, 1998.

### **SPEAKING ENGAGEMENTS (continued):**

“Otodystrophies”, University of Utah School of Medicine, October 6-10, 1998.

“Otomastoiditis”, University of Utah School of Medicine, October 6-10, 1998.

“Imaging Cervical Lymphadenopathy”, University of Utah School of Medicine, October 6-10, 1998.

“Temporal Bone II. Inflammatory Disease, Sensorineural Hearing Deficit, and the Neurovascular Compartments”, RSNA <sub>84th</sub> Scientific Assembly/Meeting, **Categorical Course**, McCormick Place, Chicago, Illinois, December, 1998.

\* “Facial Nerve Disorders”, American Academy of Otolaryngology Head and Neck Surgery, Cherry Blossom Conference, Arlington, Virginia, March 26-28,1999.

“Evaluation of Temporal Bone Trauma”, 1999 Joint Annual Meeting of ASNR, ASHNR, ASPNR, ASRR, The American Society of Head and Neck Radiology, May 24, 1999,

San Diego, CA.

“A Contemporary Approach to Sensorineural Hearing Deficit”, Otolaryngology Case Presentations, Long Island College Hospital, Department of Otolaryngology, Grand Rounds, August 12, 1999.

“A Contemporary Approach to Sensorineural Hearing Deficit”, Otolaryngology Case Presentations, Long Island College Hospital, Department of Radiology, Radiology Noon Conference, August 12, 1999.

“Temporal Bone II. Inflammatory Disease, Sensorineural Hearing Deficit, and the Neurovascular Compartments”, RSNA 85<sup>th</sup> Scientific Assembly/Meeting, **Categorical Course**, McCormick Place, Chicago, December, 1999.

“Clinical Approach to Conductive Hearing Deficit” American Society of Head and Neck Radiology in association with the American Roentgen Ray Society, Washington, D.C., May 5, 2000.

“Middle Ear and Mastoid: Normal anatomy, cholesteatoma. Intensive Interactive Head and Neck Imaging Course. September 15-17, 2000. University Park Marriott, Salt Lake City, Utah.

“The Facial Nerve”. Intensive Interactive Head and Neck Imaging Course. September 15-17, 2000. University Park Marriott, Salt Lake City, Utah.

#### **SPEAKING ENGAGEMENTS** (continued):

“Normal and Diseased Lymph Nodes of the Head and Neck.” Post conference ENT clinical mini-fellowship. September 18-20, 2000. Center for Advanced Medical Technologies. Research Park, Salt Lake City, Utah.

“The Facial Nerve”. XV International Congress of Head and Neck Radiology. October 18-21, 2000. New Sky Hotel, Kumamoto, Japan.

Panel discussion: Temporal Bone. XV International Congress of Head and Neck Radiology. October 18-21, 2000. New Sky Hotel, Kumamoto, Japan.

Panel discussion II: How should an examination be performed? Which findings are important to clinicians? October 18-21, 2000. Co-moderators: Frielinger MJM, Swartz JD. New Sky Hotel, Kumamoto, Japan.

“Anatomy, Inflammatory Disease and Trauma”, RSNA 86<sup>th</sup> Scientific Assembly/Meeting, **Refresher Course**, McCormick Place, Chicago, IL, November 2000.

“Clinical Approach to Conductive Hearing Deficit”, American Society of Head and Neck Radiology in Association with the American Academy of American Otolaryngology Head and Neck Surgery, Denver, CO, September 8, 2001.

“Anatomy, Inflammatory Disease and Trauma”, RSNA 87<sup>th</sup> Scientific Assembly/Meeting, **Refresher Course**, McCormick Place, Chicago, IL, November 2001.

\* “Temporal Bone Anatomy”, American Society of Head and Neck Radiology, 36<sup>th</sup> Annual Meeting, September 11-15, 2002. Cleveland, Ohio. September 11, 2002.

\* “Imaging the Otodystrophies with Emphasis on Otosclerosis”, American Society of Head and Neck Radiology, 36<sup>th</sup> Annual Meeting, September 11-15, 2002, Cleveland, Ohio. September 14, 2002.

“Temporal Bone Anatomy” University of Iowa Medical Center, Radiology Resident Lecture. November 11, 2002.

“Imaging Evaluation of Conductive Hearing Deficit”, University of Iowa Department of Radiology. Kenneth Dolan Memorial Lecture. November 11, 2002.

“Imaging Evaluation of the Otodystrophies”, Grand Rounds, Department of Otorhinolaryngology University of Iowa Medical Center. November 12, 2002.

### **SPEAKING ENGAGEMENTS** (continued):

“ENT” Grand Rounds, University of Pennsylvania, Philadelphia, PA, October 2002.

“Head and Neck: non temporal bone” Noon conference, Albert Einstein Medical Center, Philadelphia, PA, March 24, 2003.

“Head and Neck Imaging”, Noon Conference, Albert Einstein Medical Center, Philadelphia, PA, June 9, 2003.

“Imaging Anatomy of the Temporal Bone”, International Congress of Head and Neck Radiology, Frankfurt, Germany, September 4-7, 2003.

“Imaging of Hearing Loss”, International Congress of Head and Neck Radiology, Frankfurt, Germany, September 4-7, 2003.

“Anatomy of the Temporal Bone: from the basic to the esoteric”, American Society of Head and Neck Radiology Annual Meeting, Marriott Rancho Las Palmas, Rancho Mirage, CA, September 30-October 5, 2003.

**\*INCLUDED FORMAL SYLLABUS CONTRIBUTIONS.**