College of Medicine Curriculum Vitae
Michael Wall, M.D.
May 28, 2010

I. EDUCATIONAL AND PROFESSIONAL HISTORY

A. Institutions Attended, Certification, and Licensure

Higher Education

1968 - 1972	B.S.	Tulane University, New Orleans, Louisiana. Honors in Biology. Magna Cum Laude
1972 - 1976	M.D.	Tulane University School of Medicine, New Orleans, Louisiana
1976 - 1977	Internship	Tulane University, Department of Internal Medicine New Orleans, Louisiana
1977 - 1980	Residency	Washington University, Department of Neurology St. Louis, Missouri
1980 - 1981	Fellowship	Harvard Medical School, Neuro-ophthalmology Massachusetts Eye and Ear Infirmary Massachusetts General Hospital Boston, Massachusetts

Certification and Licensure

Federal Licensing Examination (FLEX), 1977
Certification: American Board of Psychiatry and Neurology (Neurology), 1982, #23801

Medical Licensure:

1. Louisiana 13739, expired
2. Missouri R9141, expired
3. Massachusetts 46910, expired
4. Iowa 28314, renewed - January 1, 1998

B. Academic and Professional Appointments

Academic

1981	Assistant Professor of Neurology	Tulane University, School of Medicine
1986	Associate Professor of Neurology	Tulane University, School of Medicine
1988	Tenure Granted	Tulane University, School of Medicine
1991	Professor of Neurology	Tulane University, School of Medicine
1991	Associate Professor of Neurology	University of Iowa, College of Medicine
1994	Tenure Granted	University of Iowa, College of Medicine
1996	Professor of Neurology and Ophthalmology	University of Iowa, College of Medicine

Employment Pertaining to Current Professional Appointments

1991 - present	Staff	University of Iowa Hospitals and Clinics, Iowa City, Iowa
1991 - present	Staff	Veterans Administration Hospital, Iowa City, Iowa

C. Honors and Awards

1972	Phi Beta Kappa
1983	Owl Club Teaching Award - Clinical Instructor
1984	Owl Club Teaching Award - Freshman Instructor
1984	Owl Club Teaching Award - Clinical Instructor
1985	Faculty Teaching Award, Department of Ophthalmology
1985	Fellow, American Academy of Neurology
1985	Owl Club Teaching Award - Clinical Instructor
1986	Owl Club Teaching Award - Clinical Instructor
1987	Owl Club Teaching Award - Clinical Instructor
1991	Owl Club Teaching Award - Clinical Instructor
1991	American Neurological Association
1991 - present	Listed in "The Best Doctors in America" Woodward/White
1992 - present	Who's Who in Science and Engineering
1992	Honor Award, American Academy of Ophthalmology
1993 - present	Who's Who in America
1993 - present	Who's Who in Medicine and Healthcare
2009	ARVO Fellow

II. TEACHING AT THE UNIVERSITY OF IOWA

A. Teaching Assignments

Teaching of residents and students in the Neurology Outpatient Clinic, Neurology Consultation Service, and Neurology Inpatient Service. This is interwoven with clinical duties. 1991- present.

Teaching of residents and students in the Neurology Service, Veterans Administration Hospital. 1991 - present.

Teaching of residents, students and fellows in the Neuro-ophthalmology Outpatient Clinic. This activity is integrated with clinical duties. 1991 - present.

Directing Neurology Morning Report. 1991 - 1997.

Neuro-ophthalmology Morning Conference. 1991 - present.

Lectures to Junior Medical Students. 1991 - present.

Lectures to Freshman Neuroscience course. 1992 - present.

Lectures to Introduction to Clinical Medicine. 1992 - present.

Director of the Neurology Section, Introduction to Clinical Medicine. 1992 - 1997.

Participant in Residents Neurology Lecture Series. 1991 - present.

Sponsor of two medical students' summer research fellowship, 1993.

Sponsor of a medical student's research elective. 1994.

Course Director for four years of Neurology Medical Student Education, 1994 - 1997.

Core director for sensory systems block of the Development, Structure, and Function of Human Organ Systems course, 1995 - 1998.

Faculty, Interdisciplinary Graduate Degree Program

Curriculum Co-Director, Foundations of Clinical Practice, 1997-1998

Sponsor of 4 medical student's research elective. 2002.

Sponsor of 2 medical student's research elective. 2003.

Sponsor of medical students' research electives. 2004-2009.

B. Masters' and Ph.D. Theses Directed and Postdoctoral Fellows Supervised

Jonathan Calk	Fellow in Neuro-ophthalmology	1991 - 1992
Aldo Fantin	Fellow in Neuro-ophthalmology	1991 - 1992
Adit Mishra	Fellow in Neuro-ophthalmology	1992 - 1993
William White	Fellow in Neuro-ophthalmology	1993 - 1994
Shawn Donahue	Fellow in Neuro-ophthalmology	1993 - 1994
Cari Brito	Psychology doctoral candidate	1993 -1995
Richard Neahring	Fellow in Neuro-ophthalmology	1994
Johanne Robataille	Fellow in Neuro-ophthalmology	1995
Cari Brito	Psychology post-doctoral fellowship	1995 - 1996
Peter Spiegel	Fellow in Neuro-ophthalmology	1995 - 1996
Michael Murphy	Fellow in Neuro-ophthalmology	1996
Anil Patel	Fellow in Neuro-ophthalmology	1996 - 1998
Syndee Givre	Fellow in Neuro-ophthalmology	1998 – 1999
Asim Kamal	Fellow in Neuro-ophthalmology	1999 – 2000
Fiona Costello	Fellow in Neuro-ophthalmology	2000 – 2002
Julie Falardeau	Fellow in Neuro-ophthalmology	2001 – 2002
Steven Goldin	Fellow in Neuro-ophthalmology	2002 – 2003
Sonalee Kulkarny	Fellow in Neuro-ophthalmology	2003 – 2004
Shannon Lynch	Fellow in Neuro-ophthalmology	2004 – 2005
Sandeep Randhawa	Fellow in Neuro-ophthalmology	2005 – 2006
Vinay Shah	Fellow in Neuro-ophthalmology	2005 – 2006
Jacinthe Rouleau	Fellow in Neuro-ophthalmology	2006 – 2007
Reid Longmuir	Fellow in Neuro-ophthalmology	2006 – 2007
Michael Johnson	Fellow in Neuro-ophthalmology	2007 – 2008
Troy Tagg	Fellow in Neuro-ophthalmology	2007 – 2008
Colin Scott	Fellow in Neuro-ophthalmology	2007 – 2008
Mansoor Mughal	Fellow in Neuro-ophthalmology	2008 – 2009
Fabiana Policini	Fellow in Neuro-ophthalmology	2008 – 2009

C. Other Contributions to Institutional Programs

Teaching Committees

1991 - 1998	Introduction to Clinical Medicine, Neurology Section Director (Iowa)
1992 - 1997	Advisory Committee, Freshman Neuroscience Course (Iowa)

D. Course materials

III. SCHOLARSHIP

A. Publications

Articles

1. Joiner PD, Wall M, Davis LB, Hahn F. Role of amines in anaphylactic contraction of guinea pig isolated smooth muscle. *J Allerg Clin Immunol* 1974;53:261-270.

2. Wall M, Wray SH. The one and one-half syndrome - A unilateral disorder of the pontine tegmentum: A study of 20 cases and review of the literature. *Neurology* 1983;33:971-980.

3. Wall M, Hart WM, Burde RM. Visual field defects in idiopathic intracranial hypertension (pseudotumor cerebri). *Am J Ophthalmol* 1983;6:654-669.

4. Wall M, Weisberg LA. CT findings in acute optic neuritis. *Comput Radiol* 1984;8:91-94.

5. Weisberg LA, Wall M. Small capsular hemorrhages: clinical-computed tomographic correlations. *Arch Neurol* 1984;41:1255-1257.

6. Wall M, Tuchman M, Mielke D. Panic attacks and temporal lobe seizures associated with a right temporal lobe arteriovenous malformation. *J Clin Psychiatr* 1985;46:143-145.

7. Wall M. Contrast sensitivity testing in pseudotumor cerebri. *Ophthalmology* 1986;93:4-7.

8. Wall M, Sadun AA. Threshold Amsler grid testing: cross-polarizing lenses enhance yield. *Arch Ophthalmol* 1986;104:520-523.

9. Ey E, Wall M, Numaguchi Y, Varma DGK. Neurosarcoidosis involving optic nerves and leptomeninges: Computed tomographic findings. *J Comput Tomography* 1986;10:129-33.

10. Wall M, Slamovits T, Weisberg LA, Trufant SA. Vertical gaze ophthalmoplegia from infarction in the area of the posterior thalamosubthalamic paramedian artery. *Stroke* 1986;17:546-55.

11. Schwartz BD, Nelson AD, Winstead D, Wall M. Visual evoked potentials associated with neural filter mechanisms in schizophrenia. *New Trends in Exp Clin Psychiatr* 1986;1:179-186.

12. Wall M, George D. Visual loss in pseudotumor cerebri. Incidence and defects related to visual field strategy. *Arch Neurol* 1987;44:170-175.

13. Wall M, Rosenberg M, Richardson D. Gaze-evoked tinnitus. *Neurology* 1987;37:1034-1036.

14. Haik BG, Saint Louis L, Bierly J et al. Magnetic resonance imaging in the evaluation of optic nerve gliomas. *Ophthalmology* 1987;94:709-717.

15. Weisberg LA, Wall M. Alexia without agraphia: clinical-computed tomographic correlations. *Neuroradiology* 1987;29:283-286.

16. Wall M, May DR. Threshold Amsler grid testing in maculopathies. *Ophthalmology* 1987;94:1126-1133.

17. Goldschmidt T, Wall M. Slow-upward ocular bobbing. *J Clin Neuro-ophthalmol* 1987;7:241-243.

18. Durcan FJ, Corbett JJ, Wall M. The incidence of pseudotumor cerebri: Population studies in Iowa and Louisiana. *Arch Neurol* 1988;45:875-877.

19. Wiser B, Wall M, Weisberg LA. The clinical and computed tomographic features of cerebellar peduncular hemorrhage. *Neurology* 1988;38:1485-1487.

20. Mizushima A, Numaguchi Y, Wall M, Robinson A. Computed tomographic and magnetic resonance imaging of vanishing cerebral infarction. *Rad Med* 1988;6:54-57.

21. Tweten S, Wall M, Schwartz BD. A comparison of three clinical methods of spatial contrast sensitivity testing in normal subjects. *Graefe's Arch Clin Exp Ophthalmol* 1990;228:24-27.

22. Wall M, Collins C, May DR. Low intensity grids improve the sensitivity of Amsler grid testing for visual loss in patients with diabetes without background retinopathy. *Ann Ophthalmol* 1990;22:96-100.

23. Wall M. Loss of P retinal ganglion cell function in resolved optic neuritis. *Neurology* 1990;40:649-652.

24. Wall M. Sensory visual testing in idiopathic intracranial hypertension: measures sensitive to change. *Neurology* 1990; 40:1859-1864.

25. Wall M. The headache profile of idiopathic intracranial hypertension. *Cephalalgia* 1990;10:331-335.

26. Giuseffi V, Wall M, Siegel PZ, Rojas PB. Symptoms and disease associations in idiopathic intracranial hypertension: a case-control study. *Neurology* 1991;41:239-244.

27. Wall M, George D. Idiopathic intracranial hypertension (pseudotumor cerebri): A prospective study of 50 patients. *Brain* 1991;114:155-180.

28. Wall M. High-pass resolution perimetry in optic neuritis. *Invest Ophthalmol Vis Sci* 1991;32:2525-2529.

29. Wall M, Lefante J, Conway M. Variability of high-pass resolution perimetry in normals and patients with idiopathic intracranial hypertension. *Invest Ophthalmol Vis Sci* 1991;32:3091-3095.

30. Wall M, Conway MD, House PH, Allely RA. Evaluation of sensitivity and specificity of spatial resolution and Humphrey automated perimetry in pseudotumor cerebri patients and normals. *Invest Ophthalmol Vis Sci* 1991;32:3306-3312.

31. Wall M, Dollar JD, Sadun AA, Kardon. R. Idiopathic intracranial hypertension: Lack of histologic evidence for cerebral edema. *Arch Neurol* 1995;52:141-145.

32. Gu XZ, Tsai JC, Wurdeman A, Wall M, Foote T, Sadun AA. Pattern of axonal loss in longstanding papilledema due to idiopathic intracranial hypertension. *Current Eye Res* 1995;4:173-180.

33. Wall M, Montgomery EB. Using motion perimetry to detect visual field defects in patients with idiopathic intracranial hypertension: A comparison with conventional automated perimetry. *Neurology* 1995;45:1167-1175.

34. Wall M, Ketoff KM. Random dot motion perimetry in glaucoma patients and normal subjects. *Am J Ophthalmol* 1995;120:587-596.

35. Wall M, Maw RJ, Stanek KE, Chauhan BC. The psychometric function and reaction times of automated perimetry in normal and abnormal areas of the visual field in glaucoma patients. *Invest Ophthalmol Vis Sci* 1996;37:878-885.

36. Vanden Bosch ME, Wall M. Visual acuity scored by the letter-by-letter or probit methods has lower retest variability than the line assignment method. *Eye* 1997;11:411-417.

37. Wall M, Jennisch CS, Munden PM. Motion perimetry identifies nerve fiber bundle-like defects in ocular hypertension. *Arch Ophthalmol* 1997;115:26-33.

38. Wall M, Kutzko KE, Chauhan BC. Variability in patients with glaucomatous visual field damage is reduced using size V stimuli. *Invest Ophthalmol Vis Sci* 1997;38:426-435.

39. Wall M, Donzis PB. Luminance contrast and color contrast related errors in pseudoisochromatic plate identification. Eye 1997;11:713-716.

40. Donahue SP, Wall M, Kutzko KE. Motion perimetry in anisometropic amblyopia: elevated thresholds throughout the visual field. *J. Am Asso Pediatric Ophthalmol Strab* 1998;2:94-101.

41. Kupersmith MJ, Gamell L, Turbin R, Peck V, Spiegel P, Wall M. Effects of weight loss on the course of idiopathic intracranial hypertension in women. *Neurology* 1998;1094-1098.

42. Riedel P, Wall M, Grey A, Cannon T, Folberg R, Thompson HS. Autoimmune optic neuropathy. *Arch Ophthalmol* 1998;116:1121-1124.

43. Wall M, White WN. Asymmetric papilledema in idiopathic intracranial hypertension: Prospective interocular comparison of sensory visual function. *Invest Ophthalmol Vis Sci* 1998;39:134-142.

44. Wall M, Johnson CA, Kutzko KE, Nguyen R, Brito C, Keltner J. Long- and short-term variability of automated perimetry results in optic neuritis patients and normal subjects. *Arch Ophthalmol* 1998;116;53-61.

45. Donahue SP, Wall M, Kutzko KE, Kardon RH. Automated perimetry in amblyopia: A generalized depression. *Am J Ophthalmol* 1999;127:312-321.

46. Jacobson DM, Berg R, Wall M, Digre KB, Corbett JJ, Ellefson RD. Serum vitamin A concentration is elevated in idiopathic intracranial hypertension. *Neurology* 1999;53:1114-1118.

47. Adams CW, Bullimore MA, Wall M, Fingeret M, Johnson CA. Normal aging effects for frequency doubling technology perimetry. *Optom Vision Science* 1999;76:582-587.

48. Wall M, Jennisch CS. Random dot motion stimuli are more sensitive that light stimuli for detection of visual field loss in ocular hypertension patients. *Optom Vision Science* 1999;76:550-557.

49. Kutzko KE, Brito CF, Wall M. Effect of instructions on conventional automated perimetry. *Invest Ophthalmol Vis Sci* 2000;41:2006-13.

50. Givre SJ, Wall M, Kardon RK. Visual loss and recovery in a patient with Friedrich ataxia. *J. Neuro-ophthalmol* 2000;229-233.

51. Wall M, Punke SG, Stickney TL, Brito CF, Withrow KR, Kardon RH. SITA standard in optic neuropathies and hemianopias: a comparison with full threshold testing. *Invest Ophthalmol Vis Sci* 2001;42:528-537.

52. Lee AG, Golnik K, Kardon R, Wall M, Eggenberger E, Yedavally S. Sleep apnea and intracranial hypertension in men. *Ophthalmology* 2002;109:482-485.

53. Costello F, Kardon RH. Wall M. Kirby P, Ryken T, Lee A. Papilledema as the presenting manifestation of spinal schwannoma. *J Neuro-ophth* 22:199-203, 2002.

54. Wall M, Kutzko KE, Chauhan BC. The relationship of visual threshold and reaction time to visual field eccentricity with conventional automated perimetry. *Vision Res* 2002;42:781-787.

55. Eggenberger E, Golnik K, Lee A, Santos S, Suntay A et al. Prognosis of ischemic INO. *Ophthalmol* 2002;109:676-1678.

56. Wall M, Neahring RK, Woodward KR. Sensitivity and specificity of frequency doubling perimetry in neuro-ophthalmologic disorders: a comparison with conventional automated perimetry. *Invest Ophthalmol Vis Sci* 2002;43:1277-1283.

57. Wall M, Woodward KR, Brito CF. The effect of attention on conventional automated perimetry and luminance size threshold perimetry. *Invest Ophthalmol Vis Sci* 2004;45:342–350.

58. Lee AG, Anderson R, Kardon RH, Wall M. Presumed "sulfa allergy" in patients with intracranial hypertension treated with acetazolamide or furosemide: cross-reactivity, myth or reality? *Am J Ophthalmol* 2004 138:114-118.

59. Wall M, Chauhan B, Frisén L, House PH, Brito C. The visual field of high-pass resolution perimetry in normal subjects. *J. Glaucoma* 2004;13:15-21.

60. Anderson AJ, Johnson CA, Fingeret, M, et al. Characteristics of the normative database for the Humphrey Matrix perimeter. *Invest Ophthalmol Vis Sci* 2005;46:1540-8.

61. Lee AG, Chau FY, Golnik KC, Kardon RH, Wall M. The diagnostic yield of the evaluation for isolated unexplained optic atrophy. *Ophthalmology*. 2005;112:757-9.

62. Wendel L, Lee AG, Boldt HC, Kardon RH, Wall M. Subretinal neovascular membrane in idiopathic intracranial hypertension. *Am J Ophthalmol* 2006;141:573-4.

63. Parikh M, Miller NR, Lee AG Savino PJ, Vacarezza MN, Cornblath W, Eggenberger E, Antonio-Santos A, Golnik K, Kardon R, Wall M. The Prevalence of a Normal C-Reactive Protein with an Elevated Erythrocyte Sedimentation Rate in Biopsy-Proven Giant Cell Arteritis. *Ophthalmology* 2006; 113:1842-1845.

64. Dinn RB, Wall M. Tadalafil associated with typical migraine aura without headache. *Cephalalgia* 2006; 26:1344–1346.

65. Daniels AB, Liu GT, Volpe NJ, Galetta SL, Moster ML, Newman NJ, Biousse V, Lee AG, Wall M, Kardon R, Acierno MD, Corbett JJ, Maguire MG, Balcer LJ. Profiles of obesity, weight gain, and quality of life in idiopathic intracranial hypertension (pseudotumor cerebri). *Am J Ophthalmo*.2007; 143:635-641.
66. Hood DC, Anderson SC, Wall, M, Kardon RH. Structure versus function in glaucoma: A test of a linear model. *Invest Ophthalmol Vis Sci* 2007; 48:3662-3668.
67. Huang CQ, Carolan J, Redline D, Taravati P, Woodward KR, Johnson CA, Wall M, Keltner JL. Humphrey Matrix Perimetry in Optic Nerve and Chiasmal Disorders: Comparison with Humphrey SITA Standard 24-2. *Invest Ophthalmol Vis Sci* 2008;49:917-923.
68. Taravati P, Woodward KR, Keltner JL, Johnson CA, Redline D, Carolan J, Huang CQ, Wall M. Sensitivity and Specificity of the Humphrey Matrix to Detect Homonymous Hemianopsias. *Invest Ophthalmol Vis Sci* 2008;49(3):924-928.
69. Wall M, Brito CF, Woodward KR, Doyle CK, Kardon RH, Johnson CA. Total Deviation Probability Plots for Stimulus Size V Perimetry: A Comparison with Size III Stimuli. *Arch Ophthalmol* 2008;126:473-479.
70. Shah VA, Kardon RH, Lee AG, Corbett JJ, Wall M. Long-term follow-up of idiopathic intracranial hypertension: The Iowa experience. Neurology 2008;70(8):634-640.
71. Dave S, Longmuir R, Shah VA, Wall M, Lee AG. Intracranial hypertension in systemic lupus erythematosus. Semin Ophthalmol 2008;23(2):127-133.
72. Wall M, Doyle CK, Brito CF, Woodward KR, Johnson CA. A comparison of catch trial methods used in standard automated perimetry in glaucoma patients. J Glaucoma 2008, 17: 626-630.
73. Anderson AJ, Shuey NH, Wall M. Rapid confrontation screening for peripheral visual field defects and extinction. *Clin Exp Optom* 2009; 92: 1: 45–48.
74. Wall M, Woodward KR, Doyle CK, Artes PH. Repeatability of automated perimetry: a comparison between standard automated perimetry with stimulus size III and V, Matrix and motion perimetry. *Invest Ophthalmol Vis Sci* 2009; 50:974-979.
75. Wall M. Purvin V. Idiopathic intracranial hypertension in men and the relationship to sleep apnea. *Neurology* 2009;72:300-301.
76. Hood DC, Anderson SC, Wall, M, Kardon RH. A Test of a Linear Model of Glaucomatous Structure-Function Loss Reveals Sources of Variability in Retinal Nerve Fiber and Visual Field Measurements. *Invest Ophthalmol Vis Sci* (in press).
77. Wall M, Johnson CA, Kardon RH, Crabb, DP. Use of a Continuous Probability Scale to Display Visual Field Damage. *Arch Ophthalmol* 2009;127(6):749-756.
78. Wall M, Woodward KR, Doyle CK, Zamba, KD. The Effective Dynamic Ranges of Standard Automated Perimetry Sizes III and V, Motion and Matrix Perimetry. *Arch Ophthalmol* (in press).
79. Scott CJ, , Kardon RH, Lee, AG, Frisén L Wall M. Diagnosis and Grading of Papilledema in Patients with Raised Intracranial Pressure Using Optical Coherence Tomography (OCT) Compared to Clinical Expert Assessment using a Clinical Staging Scale. *Arch Ophthalmol* (in press).

Articles with Joint Authorship

1. Optic Neuritis Study Group. The clinical profile of optic neuritis. Experience of the optic neuritis treatment trial. *Arch Ophthalmol* 1991;109:1673-1678.

2. Beck RW, Cleary PA, Anderson MM, Optic Neuritis Study Group. A randomized, controlled trial of corticosteroid in the treatment of acute optic neuritis. *New Engl J Med* 1992;326:581-588.

3. Beck RW, Optic Neuritis Study Group. The optic neuritis treatment trial. Implications for clinical practice. *Arch Ophthalmol* 1992;110:331-332.

4. Beck RW, Optic Neuritis Study Group. Corticosteroid treatment of optic neuritis: A need to change treatment practices. *Neurology* 1992;42:1133-1135.

5. Beck RW, Kupersmith MJ, Cleary PA, Katz B, Optic Neuritis Study Group. Fellow eye abnormalities in acute unilateral optic neuritis experience of the optic neuritis treatment trial. *Ophthalmology* 1993;100:691-698.

6. Keltner JL, Johnson CA, Spurr JO, Beck RW, Optic Neuritis Study Group. Baseline visual field profile of optic neuritis: The experience of the optic neuritis treatment trial. *Arch Ophthalmol* 1993;111:231-234.

7. Keltner JL, Johnson CA, Beck RW, Cleary PA, Spurr JO, Optic Neuritis Study Group. Quality control functions of the visual field reading center (VFRC) for the optic neuritis treatment trial (ONTT). *Controlled Clinical Trials* 1993;14:143-159.

8. Beck RW, Cleary PA, Optic Neuritis Study Group. Recovery from severe visual loss in optic neuritis. *Arch Ophthalmol* 1993;111:300.

9. Beck RW, Diehl L, Cleary PA, Optic Neuritis Study Group. The Pelli-Robson letter chart: Normative data for young adults. *Clinical Vision Science* 1993;8:207-210.

10. Chrousos GA, Kattah JC, Beck RW, Cleary PA, Optic Neuritis Study Group. Side effects of glucocorticoid treatment: experience of the Optic Neuritis Treatment Trial. *J Am Med Asso* 1993;269:2110-2112.

11. Beck RW, Cleary PA, Optic Neuritis Study Group. Optic neuritis treatment trial: One-year follow-up results. *Arch Ophthalmol* 1993;111:773-775.

12. Beck RW, Arrington J, Optic Neuritis Study Group. Brain magnetic resonance imaging in acute optic neuritis. *Arch Neurol* 1993;50:841-846.

13. Beck RW, Cleary PA, Trobe JD, Optic Neuritis Study Group. The effect of corticosteroids on the subsequent development of Multiple Sclerosis. *New Engl J Med* 1993;329:1764-1769.

14. Keltner JL, Johnson CA, Spurr JO, Beck RW, Optic Neuritis Study Group. Visual field profile of optic neuritis: One-year follow-up in the Optic Neuritis Treatment Trial. *Arch Ophthalmol* 1994;112:946-953.

15. Beck RW, Cleary PA, Backlund JC, Optic Neuritis Study Group. The course of visual recovery after optic neuritis. The experience of the Optic Neuritis Treatment Trial. *Ophthalmology* 1994;101:1771-1778.

16. Beck RW, Optic Neuritis Study Group. Optic neuritis treatment trial: Three-year follow-up results. *Arch Ophthalmol* 1995;113:136-137.

17. Beck RW. The optic neuritis treatment trial: three-year follow-up results [letter]. *Arch Ophthalmol* 1995;113:136-137.

18. Beck RW, Trobe JD. The Optic Neuritis Treatment Trial. Putting the results in perspective. The Optic Neuritis Study Group. *J Neuro-Ophthalmol* 1995;15:131-135.

19. Beck RW, Trobe JD. What we have learned from the Optic Neuritis Treatment Trial. *Ophthalmology* 1995;102:1504-1508.

20. Beck RW, Trobe JD. The Optic Neuritis Treatment Trial. Putting the results in perspective. The Optic Neuritis Study Group. *J Neuro-ophthalmology* 1995;15:131-135.

21. Trobe JD, Beck RW, Moke PS, Cleary PA. Contrast sensitivity and other vision tests in the optic neuritis treatment trial. *Am J Ophthalmol* 1996;121:547-553.

22. Anderson MM, Jr., Boly LD, Beck RW. Remote clinic/patient monitoring for multicenter trials. Optic Neuritis Study Group. *Controlled Clinical Trials* 1996;17:407-414.

23. Rolak LA, Beck RW, Paty DW, Tourtellotte WW, Whitaker JN, Rudick RA. Cerebrospinal fluid in acute optic neuritis: experience of the optic neuritis treatment trial. *Neurology* 1996;46:368-372.

24. Cleary PA, Beck RW, Bourque LB, Backlund JC, Miskala PH. Visual symptoms after optic neuritis. Results from the Optic Neuritis Treatment Trial. *J Neuro-ophthalmology* 1997;17:18-23.

25. Cole SR, Beck RW, Moke PS, Kaufman DI, Tourtellotte WW. The predictive value of CSF oligoclonal banding for MS 5 years after optic neuritis. Optic Neuritis Study Group. *Neurology* 1998;51:885-887.

26. Jacobs LD, Beck RW, Simon JH, Kinkel RP, Brownscheidle CM, Murray TJ et al. Intramuscular interferon beta-1a therapy initiated during a first demyelinating event in multiple sclerosis. *N Engl J Med* 2000; 343(13):898-904.

Books

1. Montgomery EB, Wall M, Henderson VW. *Introduction to Neurologic Diagnosis*. Boston: Little Brown, 1985.

2. Wall M, Sadun AA, eds. *New Methods of Sensory Visual Testing*. New York: Springer-Verlag, 1989.

3. Mills RP, Wall M, eds. *Perimetry Update 1994/1995*, Proc XI Int Perimetric Soc Meeting. Amsterdam/New York: Kugler, 1995.

4. Wall M. Heijl A, eds. *Perimetry Update 1996/1997*, Proc XII Int Perimetric Soc Meeting. Amsterdam/New York: Kugler, 1997.

5. Johnson CA, Wall M, Fingeret M, Lalle P. *A Primer for Frequency Doubling Technology*. WelchAllyn, 1998.

6. Wall M, Wild JM, eds. *Perimetry Update 1998/1999*, Proc XIII Int Perimetric Soc Meeting. The Hague: Kugler, 1999.

7. Wall M, Mills RM, eds. *Perimetry Update 2000/2001,* Proc XIV Int Perimetric Soc Meeting. The Hague: Kugler, 2001.

8. Henson D, Wall M, eds. *Perimetry Update 2002/2003,* Proc XV Int Perimetric Soc Meeting. The Hague: Kugler, 2003.

Book Chapters

1. Wall M, Weisberg LA. Treatment of pseudotumor cerebri. In: Johnson RT, ed. *Current Therapy in Neurologic Disease*. St. Louis: CV Mosby, 1985:226-30.

2. Wall M. Laboratory tests in neuro-ophthalmology. In: Karcioglu Z, ed. *Laboratory Diagnosis in Ophthalmology*. New York: Macmillan, 1987:251-60.

3. Wall, M. Brainstem syndromes. In: *Neurology in Clinical Practice*. Bradley WG, Daroff RB, Fenichel GM, Marsden CD, eds. Boston: Butterworths, 1990:347-362.

4. Wall M. The Visual Field. In: *Current Neuro-ophthalmology.*, Lessell S, Van Dalen JTW, eds. Vol. 3. Chicago: Year Book Medical Publishers, 1991:347-361.

5. Wall M. Multiple Sclerosis. In. *Principles and Practice of Ophthalmology: The Harvard System.* : Albert DM and Jakobiec F, eds. Vol. 4, Ch. 212. Philadelphia: Saunders, 1993: 2682-2688.

6. Wall M, Corbett J. Arteritis. In: *The Headaches*. Olesen J, Tfelt-Hansen P, Welch KMA, eds. New York: Raven Press, 1993;653-662.

7. Katz B, Wall M. Optic Neuropathies. In: *Textbook of Ophthalmology*. Podos SM, Yanoff M, eds. Vol. 6, Neuro-ophthalmology. New York: Gower, 1994:3.1-3.40.

8. Wall M. Optic Neuritis. In: *Conn's Current Therapy*. Rakel, RE, ed. Philadelphia: WB Saunders, 1995:864-866.

9. Wall M. Brainstem syndromes. In: *Neurology in Clinical Practice*. Bradley WG, Daroff RB, Fenichel GM, Marsden CD, eds. 2nd Edition, Boston: Butterworths,1996;273-288.

10. Corbett JJ, Wall M. Idiopathic Intracranial Hypertension. Chapter 84, In: *Practice of Neurosurgery*. Tindall GT, Cooper PR, Barrow DL, eds. Baltimore: Williams and Wilkins, 1996:1281-1290.

11. White W, Corbett J, Wall M. Raised intracranial pressure. In: *Neuro-ophthalmology*. Rosen ES, Thompson HS, Cumming WK, Eustace P, eds. St. Louis: Mosby, 1998: 21.1-21.12.

12. Corbett J, Wall M. The optic nerve head: elevated discs. In: *Neuro-ophthalmology*. Rosen ES, Thompson HS, Cumming WK, Eustace P, eds. St. Louis: Mosby, 1998:18.1-18.10.

13. Wall M. Optic Radiations and Striate Cortex, In: *Walsh and Hoyt's Clinical Neuro-ophthalmology*. Volume 1. Miller NR, Newman NJ, eds. Baltimore: Williams and Wilkins, 1998:121-153.

14. DeGowin RL, Brown DD. DeGowin's Bedside Examination 7th Edition. Chapter 5 Head and Neck. Chapter 10 Neuropsychiatric Examination. McGraw-Hill, 2000.

15. Wall M. Brainstem syndromes. In: *Neurology in Clinical Practice*. Bradley WG, Daroff RB, Fenichel GM, Marsden CD, eds. 3rd Edition, Boston: Butterworths 2000;293-307.

16. Idiopathic intracranial hypertension: Mechanisms of visual loss and disease management. In: *Seminars in Neurology*, Corbett JJ ed. New York: Thieme 2000;20:89-96.

17. Wall M, Silberstein SD, Aiken RD. Headache associated with abnormalities in intracranial structure or function: high cerebrospinal fluid pressure headache and brain tumor. In: Wolff's Headache and Other Head Pain. Silberstein, SD, Lipton, RB, Dalessio DJ, editors. Seventh Edition, New York: Oxford University Press 2001.

18. Papilledema and idiopathic intracranial hypertension (pseudotumor cerebri), Chapter 162, In: Noseworthy, JH., ed. *Neurological Therapeutics: Principles and Practice*. London: Martin-Dunitz 2003;1730-1742.

19. Wall M. Visual Fields, volume 4. In: *Encyclopedia of the Neurological Sciences*. Aminoff M, Daroff RB, eds. Elsevier Science 2003.

20. LeBlond RF, DeGowin RL, Brown DD. DeGowin's Bedside Examination 8th Edition. Chapter 5 Head and Neck. Chapter 10 Neuropsychiatric Examination. McGraw-Hill, 2004.

21. Wall M. Brainstem syndromes. In: *Neurology in Clinical Practice*. Bradley WG, Daroff RB, Fenichel GM, Jankovic, J, eds. 4th Edition, Boston: Butterworths 2004;273-286.

22. Wall M. Choice and interpretation of visual field testing, Chapter 4. In: Levin L, Arnold A. Neuro-ophthalmology: The Essentials. New York: Thieme Medical Publishers, 2005, pp 21-36.

23. Wall M, Johnson, CA. Chapter 2. Principles and Techniques of the Examination of the Visual Sensory System, In: *Walsh and Hoyt's Clinical Neuro-ophthalmology*. 6th Edition, Volume 1. Miller, NR, Newman NJ, ed. Baltimore: Williams and Wilkins, 2005; 83-150.

24. Friedman, DF, Wall M, Silberstein SD, Aiken RD. Headache associated with abnormalities in intracranial structure or function: high cerebrospinal fluid pressure headache and brain tumor. In: Wolff's Headache and Other Head Pain. Silberstein, SD, Lipton, RB, Dodick, DW, editors. Eightth Edition, New York: Oxford University Press 2008.

25. Dave S, Longmuir R, Shah VA, Wall M, Lee AG: Intracranial hypertension in systemic lupus erythematosus. Semin Ophthalmol 2008, 23(2):127-133.

26. Wall M. Brainstem syndromes. In: *Neurology in Clinical Practice*. Bradley WG, Daroff RB, Fenichel GM, Jankovic, J, eds. 5th Edition, Philadelphia: Elseiver 2008; 271-284.

27. Koczman JJ, Rouleau J, Gaunt M, Kardon RH, Wall M, Lee AG. Neuro-ophthalmic Sarcoidosis: The University of Iowa Experience. *Semin Ophthalmol* 2008 23:157-68.

Electronic Publications

1. Wall, M. Headache associated with intracranial pressure. In: Gilman S, editor. MedLink Neurology. San Diego: MedLink Corporation. Available at www.medlink.com.

2. Wall, M. Headache associated with intracranial pressure. In: Gilman S, editor. MedLink Neurology. San Diego: MedLink Corporation. 2004.

Reviews

1. Wall M. Idiopathic Intracranial Hypertension. In: Breen L, ed. *Neurology Clinics of North America*. Philadelphia: Saunders, 1991;9:73-95.

2. Wall M. The Retrogeniculate Sensory Visual System and Higher Cortical Function, 1993 (Annual Review). *J Neuro-ophthalmol* 1995;15:48-55.

3. Wall M. Idiopathic intracranial hypertension. In: *Seminars in Ophthalmology* Hedges, T. ed. Philadelphia: WB Saunders 1995; 10:251-259.

4. Wall M. Postgeniculate Afferent Visual System and Higher Cortical Function, 1994 (Annual Review). *J Neuro-ophthalmol* 1996;16:23-32.

5. Wall M. Postgeniculate Afferent Visual System and Higher Cortical Function, 1995-1996 (Annual Review). *J Neuro-ophthalmol* 1997;17:209-217.

6. Lee AG, Eggenberger E, Galetta S, et al. Neuro-ophthalmic manifestations of hemangiopericytoma. *Seminars Ophthalmology* 2004;19:95 – 100.

7. Wall M. Idiopathic intracranial hypertension (Pseudotumor cerebri) J. Curr Neurol Neurosci Reports 2008; 8: 87-93.

Abstracts

1. Wall M, Slamovits T, Weisberg LA. Vertical gaze ophthalmoplegia due to occlusion of the posterior thalamo-subthalamic paramedian artery. *Neurology* 1984;34(suppl):199.

2. Wall M, Weisberg LA. Small capsular hemorrhages: clinical-computed tomographic correlations. *Neurology* 1984;34(suppl):203.

3. Wall M, Sadun AA. Threshold Amsler grid testing in optic neuropathies. *Invest Ophthalmol Vis Sci* 1985;26(suppl):217.

4. Rosenberg M, Wall M. Eye movement induced tinnitus. *Neurology* 1986;36(suppl):89.

5. Haik B, Saint Louis L, Bierly J, et al. Magnetic resonance imaging in the evaluation of optic nerve gliomas. *Ophthalmology* 1986;93(suppl).

6. Wall M, May D. Threshold Amsler grid testing in maculopathies. *Ophthalmology* 1986;93(suppl).

7. Aiello P, Donzis PB, Wall M. Contrast sensitivity and pseudoisochromatic color plate testing. *Invest Ophthalmol Vis Sci* 1985;26(suppl):148.

8. Wiser B, Wall M, Weisberg LA. The facial colliculus syndrome. *Neurology* 1988;38 (suppl):216.

9. Wall M, Giuseffi V, Rojas PB. Symptoms and disease associations in pseudotumor cerebri: a case-control study. *Neurology* 1989;39(suppl):210.

10. Wall M. The contribution of P and M retinal ganglion cells to the visual loss in resolved optic neuritis. *Neurology* 1989;39(suppl):211.

11. Conway MD, Wall M, Alleley R. Specificity and sensitivity of perimetry comparing high-pass resolution, Humphrey automated and Goldmann techniques in pseudotumor cerebri patients and normals. *Invest Ophthalmol Vis Sci* 1989;30(suppl):245.

12. Wall M, Hughes J. Sensory visual testing in pseudotumor cerebri: measures sensitive to change. *Ann Neurol* 1989;26:184.

13. Wall M, Lefante J, Conway MD. High-pass resolution perimetry: test-retest variability in normals nd pseudotumor cerebri. *Invest Ophthalmol Vis Sci* 1990;31(suppl):190.

14. Wall M. Resolution perimetry in optic neuritis. *Invest Ophthalmol Vis Sci* 1991;32 (suppl):950.

15. Zimmer DV, Wall M. Mydriatic induced changes in visual acuity. *Invest Ophthalmol Vis Sci* 1991;32 (suppl):1281.

16. Wall M, Mulet ME, Nelson AD. Neural network analysis of visual field defects: What is the network using to learn? *Abstracts, Society for Neuroscience* 1991;849.

17. Wall M, Kardon R, Moore P. Large size stimuli of automated perimetry have lower variability. *Invest Ophthalmol Vis Sci* 1993;34 (suppl):1262.

18. Gu XZ, Tsai JC, Wall M, Sadun AA. Pattern of axonal loss in longstanding papilledema due to idiopathic intracranial hypertension. *Invest Ophthalmol Vis Sci* 1993;34 (suppl):1122.

19. Donahue SP, Wall M. Anisometropic amblyopes have abnormal motion perception. *Invest Ophthalmol Vis Sci* 1994;35 (suppl):1830.

20. Selky AK, Wall M. Motion perimetry in optic neuritis. *Invest Ophthalmol Vis Sci* 1994;35 (suppl):1752.

21. Jennisch CS, Wall M, Munden P. Motion threshold perimetry detects visual field defects in ocular hypertension. *Invest Ophthalmol Vis Sci* 1994;35 (suppl):2185.

22. Ketoff KM, Wall M. Motion perimetry in primary open angle glaucoma. *Invest Ophthalmol Vis Sci* 1994;35 (suppl):2185.

23. Brito CF, Wall M. Effect of varying random dot motion coherence on motion perimetry thresholds. *Invest Ophthalmol Vis Sci* 1995;36 (suppl):S55.

24. Maw R, Wall M, Stanek KE, Chauhan BC. Reaction times in automated perimetry are prolonged with glaucomatous visual field damage. *Invest Ophthalmol Vis Sci* 1995;36 (suppl):S337.

25. White, WN, Wall M. Visual loss with automated perimetry is related to papilledema grade in idiopathic intracranial hypertension. *Invest Ophthalmol Vis Sci* 1995;36 (suppl):S942.

26. Wall M, Stanek KE, Chauhan BC. The relationship of reaction time to visual field eccentricity and threshold with automated perimetry. *Invest Ophthalmol Vis Sci* 1995;36 (suppl):S942.

27. Gamell L, Turbin R, Spiegel P, Wall M, Kupersmith MJ. Weight loss affects the course of pseudotumor cerebri. *Invest Ophthalmol Vis Sci* 1996;37 (suppl):S712.

28. Nguyen R, Wall M, Keltner JL, Johnson CA. Variability and fatigue effects for automated perimetry in optic neuritis subjects. *Invest Ophthalmol Vis Sci* 1996;37 (suppl):S691.

29. Donahue SP, Stanek KE, Wall M. Quantitation of the suppression scotoma in anisometropic amblyopia. *Invest Ophthalmol Vis Sci* 1996;37 (suppl):S279.

30. Neff AG, Wall M, Spiegel PH, Stanek KE, Brito CF. Effect of refractive induced blur on Goldmann kinetic perimetry in normal subjects. *Invest Ophthalmol Vis Sci* 1996;37 (suppl):S1079.

31. Spiegel PH, Wall M, Brito CF, Stanek KE. Effect of excluding central stimuli on random dot motion coherence thresholds. *Invest Ophthalmol Vis Sci* 1996;37 (suppl):S737.

32. Stanek KE, Brito CF, Wall M. Effects of experimenter instructions on conventional automated perimetry. *Invest Ophthalmol Vis Sci* 1996;37 (suppl):S722.

33. Brito CF, Wall M, Tellinghuisen DJ, Stanek KE Effect of central shape identification on the motion perimetry performance of young and older observers. *Invest Ophthalmol Vis Sci* 1996;37 (suppl):S169.

34. Wall M, Stanek KE, Chauhan BC. Variability in patients with glaucomatous visual field damage is reduced using size v stimuli. *Invest Ophthalmol Vis Sci* 1996;37 (suppl):S410.

35. Patel AD, Wall M, Withrow K, Kutzko K. A comparison of motion detection and direction discrimination thresholds in patients with optic nerve damage from idiopathic intracranial hypertension. *Invest Ophthalmol Vis Sci* 1997;38 (suppl):S70.

36. Neahring RK, Wall M, Withrow K. Sensitivity and specificity of frequency doubling perimetry in neuro-ophthalmologic disorders. *Invest Ophthalmol Vis Sci* 1997;38 (suppl):S390.

37. Brito CF, Wall M. Age differences in central size identification difficulty with motion perimetry. *Invest Ophthalmol Vis Sci* 1997;38 (suppl):S66.

38. Wall M, Stanek KE, Withrow K. Variability in glaucoma patients is reduced with a size thresholding method. *Invest Ophthalmol Vis Sci* 1997;38 (suppl):S568.

39. Thomas TO, Wall M, Withrow K, Hayreh SS. Qualitative analysis of visual field defects in patients with non-arteritic anterior ischemic optic neuropathy. *Invest Ophthalmol Vis Sci* 1998;39 (suppl):S770.

40. Withrow K, Moore PA, Wall M. A comparison of motion perimetry and conventional automated perimetry in simulated cataracts. *Invest Ophthalmol Vis Sci* 1998;39 (suppl):S557.

41. Brito CF, Wall M, Jenkins K, Kutzko K, Brown A. Effects of test instructions on motion and luminance size discrimination perimetry. *Invest Ophthalmol Vis Sci* 1998;39 (suppl):S402.

42. Wall M, Withrow K, Zimmerman B. Reduction in variability in glaucoma patients from using a size V stimulus comes from lowering of the short-term fluctuation. *Invest Ophthalmol Vis Sci* 1998;39 (suppl):S24.

43. Wall M. Motion detection perimetry: Properties and Results. *Exp Eye Res* 1998;67:S268.

44. Withrow K, Moore PA, Wall M. A comparison of motion perimetry and conventional automated perimetry in simulated cataracts. *Invest Ophthalmol Vis Sci* 1998;39 (suppl):S557.

45. Stickney TL, Brito C, Withrow K, Wall M. SITA standard compared with full threshold testing in patients with hemianopia. *Invest Ophthalmol Vis Sci* 1999;40 (suppl):S429.

46. Punke SG, Brito C, Withrow K, Wall M. A comparison of full threshold and SITA methods in optic neuropathy patients. *Invest Ophthalmol Vis Sci* 1999;40 (suppl):S739.

47. Withrow KR, Wall M, Brito C. The effect of attention on conventional automated perimetry and luminance size threshold perimetry. *Invest Ophthalmol Vis Sci* 1999;40 (suppl):S657.

48. A comparison of three types of perimetry in normal subjects; evidence for separate visual functions. Brito CF, Woodward KR, Wall M. *Invest Ophthalmol Vis Sci* 2000;41 (suppl):S712.

49. Comparison of threshold and multifocal-vep perimetry in recovering and recovered optic neuritis. Givre SJ, Hood DC, Wall M, Kardon RK. *Invest Ophthalmol Vis Sci* 2000;41 (suppl):S625.

50. Nicholas J.A, Wall M, Newman S, Johnson C, Fingeret M, Maxner C, K. Woodward. Sensitivity of FDT perimetry screening tests compared with full threshold testing in patients with homonymous hemianopias. *Invest Ophthalmol Vis Sci* 2001;42 (suppl):S.

51. Woodward KR, Brito CF, Wall M. Variability of FDT perimetry: Effect of a 3 degree offset along the vertical in patients with hemianopias and normals. *Invest Ophthalmol Vis Sci* 2001;42 (suppl):S.

52. Wall M, Newman S, Johnson C, Fingeret M, Maxner C, Woodward K. Improvement of sensitivity of FDT perimetry to detect hemianopias with a 3 degree stimulus offset along from the vertical. Invest Ophthalmol Vis Sci 2001;42 (suppl):S.

53. Nicholas JA, Wall M, Newman S, Johnson C, Fingeret M, Maxner C, Woodward K. Sensitivity of FDT perimetry screening tests compared with full threshold testing in patients with homonymous hemianopias. *Invest Ophthalmol Vis Sci* 2001;42 (suppl):S.

54. Johnson CA, Anderson AJ, Spry PGD, Fingeret M, Keltner JL, Schindler K, Wall M, Werner JS. Normal Aging Effects for Two Forms of Frequency Doubling Technology Perimetry Using a 24-2 Stimulus Presentation Pattern. *Invest Ophthalmol Vis Sci* 2003;44 (suppl):S.

55. Carolan JA, Huang CQ, Redline DE, Taravati P, Woodward K, Wall M. Frequency Doubling Perimetry for Optic Nerve and Chiasmal Neuro-Ophthalmic Disorders. *Invest Ophthalmol Vis Sci* 2003;44 (suppl):S.

56. Taravati P, Woodward K, Carolan JA, Huang CQ, Redline DE, Keltner JL, Wall M. Frequency Doubling Technology Perimetry 2 (24-2) in the Evaluation of Homonymous Hemianopias. *Invest Ophthalmol Vis Sci* 2003;44 (suppl):S.

57. Gih DE, Ringger C, Woodward K, Doyle C, Allen J, Wall M. Separating Demyelinating and Ischemic Optic Neuropathies Using Multifocal Visual Evoked Potential Recordings *Invest Ophthalmol Vis Sci* 2004;45 (suppl):S.

58. Ringger C, Gih DE, Woodward K, Doyle C, Allen J, Wall M. Cerebral Lesion Localization Using Multifocal Visual Evoked Potentials. *Invest Ophthalmol Vis Sci* 2004;45 (suppl):S.

59. Anderson SC, Sinclair JD, Wall M, Doyle C, Woodward KR, Younger C, Kardon RH. Correlation of Regional Visual Field and Retinal Nerve Fiber Layer (OCT) in Asymmetric Glaucoma Using Either Monocular vs. Inter-Ocular Difference Analysis. *Invest Ophthalmol Vis Sci* 2006;47 (suppl).

60. Younger CB, Brito C, Doyle CK, Woodward KR, Kardon RH, Wall M. Variability in Objective and Subjective Perimetry: Comparison Between Humphrey Size III SITA and Accumap mfVEP. *Invest Ophthalmol Vis Sci* 2006;47 (suppl).
61. Brito CF, Wall M, Doyle CK, Woodward KR, Younger C, Kardon RH. Retest Variability as a Function of Sensitivity and Zero Thresholds in Humphrey Size-III SITA and Full-Threshold Size V in Glaucoma Patients. *Invest Ophthalmol Vis Sci* 2006;47 (suppl).
62. Wall M, Brito CF, Woodward KR, Doyle CK. Morphology and Repeatability of Automated Perimetry Using Stimulus Size V: A Comparison With Size III. *Invest Ophthalmol Vis Sci* 2006;47 (suppl).
63. Woodward KR, Wall M, Doyle CK. Artes PH. The Relationships Between Threshold Estimates and Effective Dynamic Ranges of Standard Automated Perimetry (Size III and V), Motion and Matrix Perimetry. *Invest Ophthalmol Vis Sci* 2008;48 (suppl).
64. Johnson CA, Wall M, Zeppieri M, Brusini P. A Cumulative Defect (Bebie') Curve for the Humphrey Matrix Frequency Doubling Technology (FDT) Perimeter. *Invest Ophthalmol Vis Sci* 2008;48 (suppl).
65. Wall M, Johnson CA, Kardon RH, Crabb DP Use of a Continuous Probability Scale to Display Visual Field Damage. *Invest Ophthalmol Vis Sci* 2008;48 (suppl).
66. Wall M, Woodward KR, Doyle CK, Johnson, CA. The Effect of Stimulus Size on Repeatability of Glaucoma using Stimulus Sizes III, V and VI. *Invest Ophthalmol Vis Sci* 2009;49 (suppl).
67. Vislisel J, Doyle CK, Johnson CA, Wall M. Repeatability of Rarebit and Standard Automated Perimetry Sizes I and III in Normal Individuals. *Invest Ophthalmol Vis Sci* 2009;49 (suppl).

Letters to the Editor

1. Henderson VW, Montgomery EB, Wall M. The case of neurology. *New Engl J Med* 1985;312:380.
2. Wall M. Right hemifield alexia without hemianopia. *Arch Neurol* 1985;42:309.
3. Wall M, Mielke D, Luther JS. Panic attacks and psychomotor seizures following right temporal lobectomy. *J Clin Psychiatr* 1986;47:219.
4. Carlow T, Corbett J, Goodwin J, et al. Controversies in the diagnosis and management of pseudotumor cerebri. *Arch Neurol* 1987;44:128-129.
5. Wall M. Megadose corticosteroids for optic neuritis. *Ophthalmology* 1988;95:1005-7.
6. Wall M, Newman SA. Optic nerve sheath decompression for the treatment of progressive ischemic optic neuropathy. *Am J Ophthalmol* 1991;112:741-742.
7. Wall M. Nerve sheath decompression in patients with functioning shunts. *Ophthalmology* 1992;99:480.
8. Donahue SP, Wall M, Weingeist TA. Interferon treatment of SRNV. *Ophthalmology* 1994;101:624-625.

Proceedings

1. Wall M, May D, Sadun AA. Threshold Amsler grid testing in optic neuropathies and maculopathies. In: *Highlights in Neuro-ophthalmology: Proceedings of the Sixth Meeting of the International Neuro-ophthalmology Society*. Amsterdam: Aeolus Press, 1987:61-66.

2. Wall M, Dalali M. Contrast sensitivity, color vision and perimetry in 100 examinations of patients with optic neuropathies and normal Snellen acuity. In: *Perimetry Update 1988/1989, Proc VIII Int Perimetric Soc Meeting*. Amsterdam/Berkeley: Kugler, 1989:59-66.

3. Wall M. The morphology of visual field damage in idiopathic intracranial hypertension: an anatomic region analysis. In: *Perimetry Update 1990/1991, Proc IX Int Perimetric Soc Meeting*. Amsterdam/Berkeley: Kugler, 1991:20-27.

4. Wall M. The effect of stimulus size on variability in conventional automated perimetry. In: *Perimetry Update 1992/1993, Proc X Int Perimetric Soc Meeting*. Amsterdam/New York: Kugler, 1993:371-376.

5. Wall M. Motion perimetry in optic neuropathies. In: Mills RP, Wall M, eds., *Perimetry Update 1994/1995, Proc XI Int Perimetric Soc Meeting*. Amsterdam/New York: Kugler, 1995:111-118.

6. Wall M, C, Kutzko K. Motion detection perimetry: properties and results. In: Wall M, Heijl A, eds., *Perimetry Update 1996/1997, Proc XII Int Perimetric Soc Meeting*. Amsterdam/New York: Kugler, 1997:21-33.

7. Brito, C, Wall M. The effect on perimetric thresholds of using a quadrant-limited seed point algorithm. In: Wall, M, Wild, JM, eds., Perimetry Update 1998/1999, Proc XIII Int Perimetric Soc Meeting. The Hague: Kugler, 1999: 253-258.

8. Wall M, Withrow K. Frequency Doubling Perimetry Fails to detect some Patients with Hemianopias. In: Wall, M, Mills, RM, eds., Perimetry Update 2000/2001, Proc XIV Int Perimetric Soc Meeting. The Hague: Kugler, 249-256.

9. Withrow K, Wall M. The multifocal VEP in functional visual loss. In: Wall M, Henson DB, eds., Perimetry Update 2002/2003, Proc XV Int Perimetric Soc Meeting. The Hague: Kugler, 261-264.

10. Wall M, Withrow K, Sleep T. Multifocal VEP in optic neuropathies and homonymous hemianopias. In: Wall M, Henson DB, eds., Perimetry Update 2002/2003, Proc XV Int Perimetric Soc Meeting. The Hague: Kugler, 265-274.

<u>Clinical Challenges Section, Survey of Ophthalmology</u>

1. Newman SA, Hedges TR, Wall M, Sedwick LA. Spasmus nutans - or is it? Surv Ophthalmol 1990;34:453-456.

2. Katz B, Sedwick LA, Slavin MS, Wall M. Disc swelling in adult diabetic patients. *Surv Ophthalmol* 1990;35:158-163.

3. Wall M, Newman S, Slavin MS, Sedwick LA. Optic atrophy. *Surv Ophthalmol* 1991;36:51-58.
4. Katz B, Newman S, Wall M. Disc edema, transient obscurations of vision, and a temporal fossa mass. *Surv Ophthalmol* 1991;36:133-139.

5. Slavin M, Wall M, Katz B. Sudden visual loss with slow recovery. *Surv Ophthalmol* 1992;37:57-62.

6. Moster ML, Slavin M, Wall M. Unilateral disc edema in a young woman. *Surv Ophthalmol* 1995;39:409-416.

7. Wall M, Breen L, Winterkorn J. Optic disc edema and cotton wool spots. *Surv Ophthalmol* 1995;39:502-508.

8. Boghen D, Katz B, Wall M. She could not look to either side. *Surv Ophthalmol* 1996;41:165-170.

Book Reviews

1. Clinical Tests of Vision. *Am J Ophthalmol* 1991;111:386-7.

2. Atlas of Optic Nerve Disorders. *Am J Ophthalmol* 1993;113:271.

National Continuing Education Publications

1. American Academy of Neurology Continuum Series: Neuro-ophthalmology, 1995.

2. American Academy of Ophthalmology: Focal Points, Clinical modules for ophthalmologists. Automated Perimetry in Neuro-ophthalmology, 1995;13:10-14 (discussant).

3. American Academy of Ophthalmology: Focal Points, Pseudotumor Cerebri / Idiopathic Intracranial Hypertension , 2004 (discussant).

B. Research Interests and Current Projects

Research Interests

Sensory visual system information processing with emphasis on the application of visual physiology and neural networks to development of new clinical visual tests.

Current Projects

Mechanisms of perimetric variability
Motion perimetry, a new method of sensory visual testing.
Eye movement motion perimetry. using eye movements as a perimetric outcome measure.
Early detection of visual field loss in glaucoma and idiopathic intracranial hypertension.
Multifocal visual evoked response
Visual field correlates of driving performance.
Treatment of optic neuritis (Optic Neuritis Study Group) and Multiple Sclerosis (AVONEX™ study).

C. Published Reviews of Scholarship

D. Grants, Patents, and Computer Programs

Grants

Biomedical Research Support Grant - $5000	1986
Tulane Educational Computing Project Grant - $5000	1987

"Treatment of Idiopathic Intracranial Hypertension"
National Eye Institute (NEI) - $30,000 1988 - 1990

Children's Miracle Network - $5000 1991

"Optic Neuritis Treatment Trial", participating physician (NEI) 1991 - 1992

"Longitudinal Optic Neuritis Study" (NEI)
participating physician 1992 - 1997
site principal investigator 1997 - 2008

"Spatial Localization Perimetry: A New Method for the Early Detection of Visual Loss"
VA Merit Review grant - $261,400 1994 - 1997

"A Randomized Double-Blind, Placebo-Controlled Study of AVONEX™ (Interferon Beta-1a) in the Treatment of Subjects at High Risk for Development of Multiple Sclerosis Following First Onset of an Isolated Demyelinating Event."
Biogen, Inc. - $60,500 1996 - 2000

"Motion Perimetry: A New Method for the Early Detection of Visual Loss"
VA Merit Review grant (renewal) - $354,900 1997 – 2002

"Open Label Safety Extension of AVONEX™ Treatment in Subjects who Completed Biogen Studies C95-812, C96-823, or C97830." – $3,500. 2000 – 2001

"CHAMPIONS Controlled High-Risk AVONEX™ Multiple Sclerosis Prevention Study in Ongoing Neurological Surveillance."
Biogen, Inc. - $61,800 2001 – 2008

"Mechanisms of Perimetric Variability"
VA Merit Review grant (renewal) - $719,300 2003 - 2008

"A Multicenter, Double-blind, Randomized, Placebo-controlled Study of Weight-Reduction Diet plus Acetazolamide vs Diet plus Placebo in Subjects with Idiopathic Intracranial Hypertension with Mild Visual Loss," U10 EY017281 02/06/09 – 01/31/14 Study Director
National Eye Institute $16,000,000 02/06/09 – 01/31/14

"Improved Assessment of Visual Field Change"
VA Merit Review grant - $690,900 2010 - 2014

Patents

System and method of detecting visual field defects 1986 Serial No. PCT/US 86/02821

Computer Program Development

Autoplot - scoring and plotting of color chip alignment tests
RingProb - probability plots for High Pass Resolution perimetry
SLP - spatial localization perimetry
Motion - motion perimetry

CsDraw - quick plotting of the contrast sensitivity function

E. Invited Lectures and Conference Presentations

Invited Lectures

Harvard Basic Science Course. Supranuclear control of gaze. The optic chiasm, 1981. Neuropsychiatric Institute Symposium. The central nervous system control of eye movements and related disorders. Merida, Mexico, 1984.

University of Pittsburgh. The supranuclear control of gaze, 1984.

University of New Jersey. Sensory visual testing in pseudotumor cerebri, 1985.

University of Yokohama. New methods of visual testing in pseudotumor cerebri, 1986.

American Academy of Ophthalmology. Regional Update Course - Automated Perimetry. Visual field defects I - What is abnormal? Interpretation of fields - Neuro-ophthalmology, 1987.

American Academy of Ophthalmology Meeting. The neuro-ophthalmologic examination - A tailored approach, 1987 - 1989.

American Academy of Ophthalmology Meeting. Video signs in Neuro-ophthalmology, 1989 -1991.

American Academy of Neurology Meeting. Sensory visual testing in Neurology, from the bedside to automation, 1990.

Texas Tech University. Supranuclear control of gaze. Perimetry: Past, present and future, 1991.

University of Texas, Ophthalmology Basic Science Course. Control of Eye Movements. Optic Neuropathies, 1992.

American Academy of Neurology Meeting. Neuro-ophthalmology course: Idiopathic Intracranial Hypertension, 1992.

American Academy of Neurology Meeting. A New Look at the Fundus: Neuro-ophthalmoscopy, 1992.

University of Wisconsin. Interpretation of Automated Perimetry. Idiopathic Intracranial Hypertension. Amaurosis fugax, 1992.

Dalhousie University. Symposia: Parallel Pathways in the Visual System, Psychophysical Tests: Purpose and Clinical Application, 1992.

Michigan State University: Neuro-ophthalmology for the Family Physician, 1994.

Tenth Annual Traumatic Brain Injury Conference, University of Iowa: Visual Disturbances in Head Injured Patients, 1995.

Glaucoma Research Foundation, Catalyst Meeting, speaker, Santa Monica, CA, 1997

New Horizon’s Glaucoma Meeting, speaker, Motion Perimetry in Glaucoma, 1997.

American Academy of Neurology Meeting. Neurology Continuum. Neuro-ophthalmology, 1998.

University of Tennessee, Pseudotumor cerebri, an update; The optic disc, normal architecture and congenital anomalies, 1998

University of Michigan, Crossed Wires and Crossed Eyes. The 71st Annual Ophthalmology Spring Postgraduate Course. Idiopathic Intracranial Hypertension, New Methods of Sensory Visual Testing, Pitfalls in Interpretation of Automated Perimetry,1999

North American Perimetry Society, Invited lecture: Scientist and Industry Perspectives on Instrument Development, 1999.

Great Plains Perimetry Symposia, Omaha NE, Keynote Speaker: Advances in Perimetry, Interpretation of automated perimetry, 2000.

Mayo Clinic Visiting Professor of Neurologic Education, Rochester MN. Idiopathic intracranial hypertension. Visual Fields: basic concepts and interpretation. 2001.

Mayo Clinic Headache Symposium, Scottsdale, AZ; Idiopathic intracranial hypertension. 2004

Presentations at National and International Meetings (without published abstracts)

Wall M. Perimetry - an eye into the brain. International Neurosurgical Society, 1983.

Wall M. Computerized automated perimetry and contrast sensitivity in pseudotumor cerebri. International Neuro-ophthalmology Society, 1984.

Wall M. The afferent visual battery in pseudotumor cerebri: a prospective study. American Academy of Ophthalmology, 1984.

Wall M. Visual field defects in pseudotumor cerebri. North American Neuro-ophthalmology Society, 1985.

Wall M. Vertical gaze ophthalmoplegia and the vascular supply of the midbrain. North American Neuro-ophthalmology Society, 1986.

Wall M. Neuro-ophthalmologic findings in patients with mitochondrial cytopathies. American Association of Ocular Pathologists, 1986.

Wall M. Neuro-ophthalmologic complications of cardiac catheterization. Discussion of platform presentation. American Academy of Neurology, 1986.

Wall M. Clinical evaluation of the central ten degrees of the visual field: A comparison of three tests. North American Neuro-ophthalmology Society, 1987.

Wall M. Contrast sensitivity testing in neuro-ophthalmology. North American Neuro-ophthalmology Society, 1988.

Wall M. High-pass resolution perimetry in Neuro-ophthalmology. North American Neuro-ophthalmology Society, 1989.

Wall M. Idiopathic intracranial hypertension: A prospective study of 50 patients. Central Society for Neurological Research, 1989.

Wall M. Evaluation of sixth nerve palsies (NANOS Diplopia Symposium). American Academy of Ophthalmology, 1989.

Wall M. Idiopathic intracranial hypertension: sensory visual testing methods sensitive to change. North American Neuro-ophthalmology Society, 1990.

Wall M. Acuity perimetry in optic neuritis. International Neuro-ophthalmology Society, 1990.

Wall M. Optic nerve sheath fenestration. Discussion of two platform presentations. American Academy of Ophthalmology, 1990.

Wall M. Test-retest variability of high-pass resolution perimetry. International Neuro-ophthalmology Society, 1991.

Wall M. Pseudotumor cerebri evaluation of sixth nerve palsies (NANOS Headache Symposium). American Academy of Ophthalmology, 1991.

Wall M. Idiopathic intracranial hypertension: Clinical Syndrome. North American Neuro-ophthalmology Society, 1992.

Calk J, Wall M. Humphrey Statpac 2 glaucoma analysis in idiopathic intracranial hypertension. North American Neuro-ophthalmology Society, 1992.

Wall M. Office Neuro-ophthalmology: Pearls and Pitfalls. Co-chairperson. American Academy of Ophthalmology Symposium, 1992. Wall M. Idiopathic intracranial hypertension: a need for a treatment trial? North American Neuro-ophthalmology Society, 1993.

Wall M, Kawasaki A. Motion perimetry in idiopathic intracranial hypertension. North American Neuro-ophthalmology Society, 1994.

Wall M. Reaction times in automated perimetry are prolonged with visual field damage. North American Neuro-ophthalmology Society, 1995.

Wall M. Automated Perimetry in Optic Neuritis Patients: New Lesion or Retest Variability? North American Neuro-ophthalmology Society, 1996.

Keltner JL, Johnson CA, Wall M. Variability and fatigue effects for automated perimetry in optic neuritis patients. North American Neuro-ophthalmology Society, 1996.

Donahue S. Kardon R, Wall M. Automated perimetry in amblyopia: A full field depression. North American Neuro-ophthalmology Society, 1996.

Wall M, White WN. Asymmetric papilledema in idiopathic intracranial hypertension: Prospective interocular comparison of sensory visual function. North American Neuro-ophthalmology Society, 1997.

Wall M, Kawasaki A. Motion perimetry in optic neuropathies. North American Neuro-ophthalmology Society, 1998.

Wall M, Punke S, Stickney T, Brito C, Withrow K, Kardon R. SITA (Swedish Interactive Threshold Algorithm) in Hemianopias and Optic Neuropathies: A Comparison with Full Threshold Testing North American Neuro-ophthalmology Society, 1999.

Wall M. Medical treatment of idiopathic intracranial hypertension. North American Neuro-ophthalmology Society, 2000.

Wall M, Withrow K, Neahring R. Frequency Doubling Technology Perimetry in optic neuropathies and hemianopias. North American Neuro-ophthalmology Society, 2001.

Wall M. Therapy of idiopathic intracranial hypertension and Discussion of the IIHTT. North American Neuro-ophthalmology Society, 2006.

IV. SERVICE

A. Professional Organizations, Activities, and Committees

Professional Organizations

1978 - present	Member, American Academy of Neurology
1982 - present	Fellow, American Academy of Neurology
1981 - present	North American Neuro-ophthalmology Society (Treasurer, 1992 - 1993)
1982 - present	Frank Walsh Society
1983 - present	American Society of Neurologic Investigation
1985 - present	American Academy of Ophthalmology
1985 - present	Association for Research in Vision and Ophthalmology
1985 - present	Society for Neuroscience
1986 - present	International Perimetric Society
1987 - present	Association for Research in Nervous and Mental Diseases
1988 - 1991	New Orleans Neurological Association
1989 - present	Central Society for Neurological Research
1990 - present	International Neural Network Society
1990 - present	American Neurological Association
1994 - 2002	International Perimetric Society, Secretary
2002 - present	International Perimetric Society, President

Editorial Activities and Review Panels

1986 - 1991	Advisory Board, Multiple Sclerosis Society of Louisiana
1988 - present	Panel of discussants, Clinical Challenges Section, Survey of Ophthalmology
1988 - present	Editorial Board, American Journal of Preventive Psychiatry and Neurology
1988 - present	Ad hoc reviewer - Neurology
1990 - 1994	Neuro-ophthalmology Representative, International Perimetry Society
1992 - present	Ad hoc reviewer - American Journal of Ophthalmology
1993 - present	Ad hoc reviewer - Canadian Journal of Neurological Sciences
1993 - present	Ad hoc reviewer - Journal of Glaucoma
1994 - present	Ad hoc reviewer - Journal of Neuro-ophthalmology
1994 - present	Ad hoc reviewer - Archives of Ophthalmology
1994 - 1995	Amer. Acad. of Neurology - Neuro-ophthalmology Education Task Force
1994 - present	Journal of Neuro-ophthalmology, Editorial Board

1995	Abstract Reviewer - American Academy of Neurology, Annual Meeting
1995 - present	Ad hoc reviewer - British Journal of Ophthalmology
1995 - present	Editorial Board, Contemporary Neurology
1995 - present	Ad hoc reviewer - Investigative Ophthalmology and Visual Science
1995 - present	Ad hoc reviewer - Neuro-ophthalmology
1996 - present	Ad hoc reviewer - Journal of the American Medical Association
1996 - present	Ad hoc reviewer - Optometry and Visual Science
1999 - present	Ad hoc reviewer - Archives of Ophthalmology
1999 - present	Ad hoc reviewer – Ophthalmic & Physiologic Optics
2001 - present	Guest editorial board member – Invest Ophthalmology and Visual Science
2002 - present	Data Safety and Monitoring Committee for Randomized Clinical Trial for Retinitis Pigmentosa (U10 EY13945-01)
2004 - 2007	Co-editor Acta Ophthalmologica

Committees - Collegiate, University, and Hospital (Tulane)

1986 - 1987	Tulane University Senate, Clinical Science Representative
1986 - 1987	Advisory Committee, Tulane University Board of Governors
1986 - 1989	Executive and Finance Committee, Department of Psychiatry and Neurology
1988 - 1991	Tulane Committee on Academic Computing
1983 - 1991	Executive Committee, Tulane Faculty Practice Plan
1990 - 1991	Student Affairs Committee, Tulane Medical School
1990 - 1991	Introduction to Clinical Medicine, Tulane Medical School Steering Committee

Teaching Committees (Tulane)

1981 – 1989	Director, Neurology Residency Training Program, Tulane University
1983 – 1991	Chairman, Neurology Education Committee, Tulane University
1990 – 1991	Student Affairs Committee, Tulane Medical School
1991	Introduction to Clinical Medicine, Steering Committee (Tulane)

Committees - Collegiate, University and University Hospitals (Iowa)

1992 - 1993	Finance Committee, University of Iowa, Department of Ophthalmology
1992 - present	Chairman, Committee on Computing, Dept. of Neurology, University of Iowa
1993 - present	Advisory Committee, Neuroscience Course, University of Iowa
1993 - 1994	Billing Committee, University of Iowa, Department of Ophthalmology
1994 - 1995	Review Update and Search Committee - Univ. of Iowa, Dept. of Radiology
1994 - 1998	Computerized Patient Record Task Force
1995 - present	Hospital Information Systems Advisory Committee (Chair, 1999- present)
1995 - 1999	University of Iowa Faculty Senate, College of Medicine Representative
1996 - 2000	Physician Design Review Group (for computerized medical records)
1996 - present	Computer Based Patient Record Policy Committee
1997 - 1998	Curriculum Committee
1997 - 1998	Medical Education Committee
2002 – present	Hospital Information Management

Committees - National

1990 - 1995	North American Neuro-ophthalmology Society, Scientific Program Committee
1990 - 1998	North American Neuro-ophthalmology Society, Membership Committee
1992 - 1995	North American Neuro-ophthalmology Society, Education Committee

1993 - 1995	Fight For Sight Fellowship Grant Review Panel
1995 - 1998	North American Perimetry Society, Scientific Program Committee
1996 - 1999	North American Neuro-ophthalmology Society, Bylaws Committee
1996 - 1998	Chair, North American Neuro-ophthalmology Society Membership Committee
1999 - 2003	North American Neuro-ophthalmology Society, Communications Committee
2002 - 2010	Part I Committee, American Board of Psychiatry and Neurology
2003 – 2006	Chair NANOS, Communications Committee
2003 - 2005	North American Neuro-ophthalmology Society, Research Committee

Committees - International

1992 - present	International Perimetric Society, Executive Committee
1992 - present	International Perimetric Society, Perimetry Standards Committee
1993	ORBIS International, Neuro-ophthalmology Planning Committee
1994 – 2002	Chair, International Perimetric Society, Scientific Program Committee

B. Clinical Assignments

Attending Physician

Neurology Outpatient Clinic, 1/2 to 1 day per month, 1991-present
Veterans Administration Inpatient Service, 8 weeks/year, 1991 – 2001
Veterans Administration Outpatient Service, ½ day per week, 1991 - present
Neuro-ophthalmology Outpatient Clinic, 45 clinics per year, 1991-present