

CURRICULUM VITAE

SANFORD H. AUERBACH, M.D.

BORN: May 30, 1950

ADDRESS: Department of Neurology
Boston University School of Medicine
720 Harrison Avenue, Suite 707
Boston, MA 02118

EDUCATION:

1967-1971 Cornell University B.A., Mathematics
Ithaca, New York

1971-1975 New York Medical College M.D.
New York, New York

PROFESSIONAL TRAINING:

1975-1976 University of Michigan Internship
Medical Center
Ann Arbor, Michigan

1976-1979 Boston University Medical Neurology Residency
Center and Boston Veterans
Administration Medical Center
Boston, Massachusetts

1979-1980 Boston Veterans Administration Chief Resident in Neurology
Center and Boston Veterans
Administration Medical Center
Boston, Massachusetts

1979-1980 Neurobehavioral/Aphasia Unit, Fellow in Behavioral
Boston Veterans Administration Neurology
Medical Center, Boston, Massachusetts

PROFESSIONAL EXPERIENCE:

1980-1981	Boston Veterans Administration Medical Center Boston, Massachusetts	Neurology Staff, Chief of Neurology Ambulatory Care Service, Coordinator of Neuroscience Seminar Program
1981-1982	The Arbor Hospital Jamaica Plain, Massachusetts	Neurology Consultant
1981-1985	Brain Injury Unit Braintree Hospital Braintree, Massachusetts	Neurologist, Team Manager
1986-1988	Mediplex Center for Traumatic Brain Injury Newton, Massachusetts	Medical Director
1981-Present	Behavioral Neurology Program University Hospital Boston Medical Center	Director
1981-Present	Solomon Center Fuller Mental Health Center Boston, Massachusetts	Behavioral Neurology Consultant
1988-Present	Sleep Disorders Center Boston Medical Center Boston, Massachusetts	Director
1993-Present	Neurophysiology Laboratory Boston Medical Center of Boston, Massachusetts	Associate Chief of Neurology for Neuro- physiology
1993-Present	LaBoure School for Electroneurodiagnostic Technology Boston, Massachusetts	Medical Director
1994-1998	Sleep Disorders Laboratory Boston V.A. Medical Center Boston, Massachusetts	Associate Director

1997	Residency Program Boston Medical Center Harrison Avenue Campus	Acting Director
1997-2000	Department of Neurology Boston Medical Center Boston University School of Medicine	Vice-Chairman for Clinical Services; Clinical Services Director
1999, 5/1-12/31	Department of Neurology Boston Medical Center Boston University School Medical	Interim Chair

ACADEMIC APPOINTMENTS:

1976-1980	Boston University School of Medicine Boston, Massachusetts	Training Fellow in Neurology
1980-1981	Boston University School of Medicine Boston, Massachusetts	Instructor in Neurology
1981-1999	Boston University School of Medicine Boston, Massachusetts	Assistant Professor in Neurology
1983-1999	Boston University School of Medicine Boston, Massachusetts	Assistant Professor in Psychiatry
1987-1988	Clark University Worcester, Massachusetts	Affiliate Assistant Professor in Psychology
1989-Present	Sargent College Boston University Boston, Massachusetts	Adjunct Assistant Professor
1999-Present	Boston University School of Medicine Boston, Massachusetts	Associate Professor of Neurology & Psychiatry

PROFESSIONAL SOCIETIES:

1976-Present	American Academy of Neurology (Fellow, 1985)
1981-Present	Behavioral Neurology Society
1982-Present	Boston Society of Psychiatry and Neurology
1983-Present	Massachusetts Neurological Association

1983-Present	Massachusetts Medical Society
1985-Present	American Medical Association
1988-Present	American Sleep Disorders Association
1994-Present	American Society of Neurorehabilitation

PROFESSIONAL COMMITTEES:

1984-1997	Medical and Scientific Advisory Committee for the Eastern Massachusetts Chapter of the Alzheimer's Disease and Related Disorders Association
1984-1990	Utilization Review/Quality Assurance Committee, The University Hospital
1985-1991	Editorial Board of <u>Brain Injury</u>
1988-Present	Board of Directors, South Shore Support Group for Alzheimer's and Related Disorders
1988-1992	Medical Professional Council of the National Head Injury Foundation
1988-Present	Section for Neurorehabilitation, American Academy of Neurology
1989-Present	Section for Geriatric Neurology, American Academy of Neurology
1991-Present	Ad Hoc Reviewer, <i>Journal of Neuropsychology, Neuropsychiatry and Behavioral Neurology</i>
1994-Present	Section of Sleep Medicine, American Academy of Neurology, Co-Chair of Membership Committee
1995-2002	Neurology Section, American Sleep Disorders Association Co-Chair, 1996-1998.
1997-present	Board of Directors, Alzheimer's Association –Massachusetts Chapter (Member:1997-2003 and 2004-present) (Vice-Chair: 1999-2000, Chair:2000-2002),Co-Chair Med-Sci Committee (2002-present).
2003-2004	Alzheimer's Association –Massachusetts Chapter: Chair of Statewide Advisory Committee
2000-2001	Consultant: <i>New England Journal of Medicine Briefings</i>
2001-Present	Institutional Review Board, Boston University School of Medicine

2003-2004 Alzheimer's Association (National), Non-board, committee member of Chapter Services and Development Committees.

BOARD MEMBERSHIP AND CERTIFICATION:

1976 Diplomat, National Board of Medical Examiners
1980 American Board of Neurology and Psychiatry
1992 American Board of Sleep Medicine
1993 American Society of Neurorehabilitation

LICENSE: Commonwealth of Massachusetts #4527

COMPLETED RESEARCH STUDIES AND GRANTS – BOSTON UNIVERSITY

Award for planning phase of a Neurobehavioral Unit for Head Injured Patients. \$90,000, 1985-1986, Commonwealth of Massachusetts. Position: PI and Director

Cognex Access Program: A treatment IND Program for patients with Alzheimer's disease (site PI)

A placebo, controlled, randomized, double blind, multi-center study for the efficacy and safety of Nimodipine in patients with probable Alzheimer's disease of moderate severity. (site PI)

A phase III, multicenter, randomized, double-blind, placebo-controlled, parallel group, safety, tolerance and efficacy study of 10 and 20 mg. of Zaleplon in adult outpatients with insomnia. Protocol 0897 AI-307-US.(site PI)

A phase III, multicenter, long-term, open-label safety and tolerance study of 10 or 20 mg. of Zaleplon administered once daily for a maximum of 360 days in adult outpatients with insomnia. Protocol 0897 AI-312-US. (site PI)

Trial of ORG 10172 in acute Stroke treatment. Safety Monitor. (safety monitor.)

A phase II, randomized, double-blind, placebo-controlled trial of Menantadine for AIDS Dementia Complex (ADC) alone or as concurrent treatment with antiviral therapy. (ACTG 301) (site PI)

Metrifonate Investigational Nationwide Trial (MINT) for Alzheimer's Disease (site PI)

Effects of rotating schedule on attention and performance in interns in the Emergency Department. Co-PI. (PI: Neil Rathlev)

Acute Effects of Lecithin in Alzheimer's Disease: A double-blind, crossover study.(PI: **Auerbach**) Sponsored by Eridania Beghin-say/America.

CURRENT INDUSTRY SPONSORED STUDIES:

The functional impact of sodium oxybate on sleep and function in Parkinson's Disease. (PI) Sponsored by Orphan Medical.

NIH SPONSORED STUDIES:

Completed

Social relations of Alzheimer caregivers across time (Investigator; PI: Carl Pillamer, Ph.D.)

Resources for enhancing Alzheimer's caregiver health (Investigator; PI: Diane Mahoney, M.D.)

Warfarin Aspirin Symptomatic Intracranial Disease Study (WASID)/Stroke Outcomes and Neuroimaging of Intracranial Atherosclerosis(SONIA) (safety monitor; PI Carlos S. Kase, M.D.)

Sleep Heart health Study (BU Investigator; PI: George T. O'Connor, M.D.)

NAPS: Pediatric OSA and ADHD (PI Dan Gottlieb, M.D.)

NIH SPONSORED STUDIES:

Current:

Impact of visual deficits on cognition and daily function in Alzheimer's disease. (Investigator: PI: Alice Cronin Golumb, Ph.D.)

Multi-institutional research in Alzheimer genetic epidemiology (MIRAGE, MIRAGE II and currently MIRAGE III) (Investigator; PI: Lindsay Farrer, Ph.D.)

ADAPT: Alzheimer's Disease Prevention Trial (site Co-Director)

Alzheimer's Disease Center of Boston University School of Medicine (Investigator and Faculty Coordinator.)

Framingham Study (PI: Phil Wolf, M.D.)

PUBLICATIONS:

Auerbach, S.H.: DePiero, T.J., Romanul, F.C.A.: The syndrome of head tilt and convergence refractory nystagmus: Localization in a fragment of the Sylvian Aqueduct Syndrome. *Transaction of the American Neurological Association*, 1980.

Auerbach, S.H.: Central razzle: Auditory central pain (letter). *Arch Neurol* 38:671, 1981.

Auerbach, S.H., Naeser, M.: A quantitative neurophysiological analysis of aphasic syndromes. *Transaction of the American Neurological Association*, 1981.

Auerbach, S.H.: The syndrome of Charles Bonnet. *Clini-Pearls* Vol 4, 1981.

Auerbach, S.H., Butler, R., Levine, H.: Headache and cerebral embolism. *Stroke* , 12:367-369,1981.

PUBLICATIONS (cont'd)

Auerbach, S.H., Alexander, M.: Pure agraphia and unilateral optic ataxia. *J.Neurol. Neurosura. Psych.* 44:430-433,1981.

Auerbach, S.H., DePiero, T.J., Romanul, F.C.A.: Sylvian Aqueduct Syndrome caused by a unilateral midbrain lesion. *Ann. Neurol.* 11:91-94, 1982.

Auerbach, S.H., Allard, T., Naeser, M., Alexander, M., Albert, M.: Pure word deafness. *Brain*, June, 1982.

Auerbach, S.H.: Cognitive rehabilitation in closed head injury: A neuro-behavioral Approach. *Seminars in Neurology*, June 1983.

Auerbach, S.H., Albert, M.L.: Neurobehavioral disorder in neurology (Chapter). In, Wilkins & Levinsky (eds.): *Medicine, essentials of Clinical Practice*, 3rd Edition. Little Brown and Co., 1984.

Gurion, B., **Auerbach, S.H.:** Psychiatric syndromes in the elderly. In, M. Albert (ed): *Clinical Neurology of the Elderly* p. 298. New York, Oxford University Press, 1984.

Auerbach, S.H.: Book review of- *Neurobehavioral Consequences of Closed Head Injury* by H. Levin, A.L. Benton, R.G. Grossman. *Neurology* 34:706, 1984.

Auerbach, S.H., Albert M.L.: Behavioral disturbances. In, R. E. Rakel (ed.): *Textbook of Family Practice*, 3rd Edition, Chapter 54, pp. 1173-1179. W. B. Saunders, Philadelphia, 1984.

Adamovitch, B., Henderson, J., Auerbach, S.H.: *Cognitive Rehabilitation in Closed Head Injury - A Dynamic Approach*. College Hill Press, San Diego, 1985.

Auerbach, S.H.: Neuroanatomical correlates of disorders of attention and memory in traumatic brain injury: An application of neurobehavioral subtypes. *Journal of Head Trauma Rehabilitation*. September, 1986.

Auerbach, S.H.: The post concussive syndrome: Formulating the problem. *Hospital Practice* 22:9-12,1988.

Auerbach, S.H.: The pathophysiology of traumatic brain injury. *Physical Medicine and Rehabilitation: State of the Art Reviews* 3(1): 1-11, 1989.

Auerbach, S.H.: The management of spasticity in traumatic brain injury. *New Developments in the Management of Chronic Spasticity* Consultants in Medical Communications, pp. 17-23, 1989.

Auerbach, S.H., Levin, H., et al.: The postconcussive syndrome. *Patient Care*, 1991.

Auerbach, S.H.: Behavioral disturbances in neurology. In, R.E. Rakel (ed.): *Textbook of Family Practice*, 4th edition, Chapter 54. WB Sanders, Philadelphia, 1992.

Farrer, L.A., Cupples, L.A., Blackburn, S., Kiely, D., **Auerbach, S.H.**, Growdon, J., Connor, L., Karlinsky, H., Thibert, A., Burke, J., Utley, C., Chui, H., Ireland, A., Duara R., Lopez-Alberola, R., Larson, E., O'Connell, S., Kukul, W.: Interrater agreement for diagnosis of Alzheimer's disease: the MIRAGE study. *Neurology*, 44:652-656, 1994.

Farrer, L.A., Cupples, L.A., van Duijn, C.M., Kurz, A., Zimmer, R., Muller, U., Green, R.C., Clarke, V., Shoffner, J., Wallace, D.C., Chui, H., Flanagan, S.D., Duara, R., St. George-Hyslop, P., **Auerbach, S.H.**, Volicer, L., Wells, J.M., van Broeckhoven, C., Growdon, J.H., Haines, J.L.: ApoE genotype in patients with Alzheimer's disease: Implications for the risk of dementia among relatives of Alzheimer's disease. *Ann Neurol*, 38:797-808, 1995.

Rao, V.S., Cupples, L.A., **Auerbach, S.H.**, Becker, R., Burke, J., Chui, H., Duara, R., Foley, E.J., Glatt, S., Green, R.C., Growdon, J.H., Jones, R., Karlinsky, H., Kukull, W.A., Kurz, A., Larson, E.B., Martelli, K., Sadovnick, A.D., Smith, G.E., Volicer, L., Farrer, L.A.: Age at onset of Alzheimer's disease is influenced by multiple factors: The MIRAGE study. *Alzheimer's Research*, 1:15-168, 1995.

Rao VS, Cupples LA, van Duijn CM, Kurz A, Green RC, Chui H, Duara R, **Auerbach S.H.**, Volicer L, Wells J, van Broekhoven C, Growdon JH, Haines JL, Farrer LA. Evidence for major gene inheritance of Alzheimer's disease in families of patients with and without Apoe E4. *Am J Hum Genet*, 59:664-675, 1996

Farrer LA, Abraham CR, Haines JL, Rogaeva E, Song Y, McGraw WT, Bundle N, Premkumar S, Scott WK, Yamaoka LH, Saunders AM, Roses AD, **Auerbach S.H.**, Sorbi S, Duara R, Pericak-Vance MA, St. George-Hyslop PH. Analysis of the association between bleomycin hydrolase and Alzheimer's disease in Caucasians. *Ann Neurol*, 44:808-811, 1998.

Scott WK, Yamaoka LH, Pritchard ML, Gaskell PC, Conneally PM, Small GW, Farrer LA, **Auerbach S.H.**, Saunders AM, Roses AD, Haines JL, Pericak-Vance MA. No genetic association between the LRP receptor and sporadic or late-onset familial Alzheimer's disease. *Neurogenetics*, 1:179-183, 1998.

Lautenschlager, N.T., Cupples, L.A., Rao, V.S., **Auerbach, S.H.**, Becker, R., Burke, J., Chui, H., Duara, R., Foley, E.J., Glatt, S., Green, R.C., Karlinsky, H., Kukull, W.A., Kurz, A., Jones, R., Larson, E.B., Lautenschlager, N., Martelli, K., Sadovnick, A.D., Volicer, L., Waring, S.C., Growdon, J.H., Farrer, L.A.: Risk of dementia among relatives of Alzheimer's disease patients in the MIRAGE study: What's in store for the "oldest old"? *Neurology*, 46:641-650, 1996.

Haines, J.L., Pritchard, M.L., Saunders, A.M., Schildkraut, J.M., Growdon, J.K.H., Gaskell, P.C., Farrer, L.A., **Auerbach, S.H.**, Gusella, J.F., Locke, P.A., Rosi, B.L., Yamaoka, L., Small, G.W., Conneally, P.M., Roses, A.D., Pericak-Vance, M.A.: No genetic effect of ul-antichymotrypsin in Alzheimer's disease. *Genomics*, 33:53-56, 1996.

Farrer, L.A., Cupples, L.A., Kukull, W.A., Volicer, L., Wells, J.M., Kurz, A., Green, R.C., Chui, H., Duara, R., **Auerbach, S.A.**, Larson, E., Lautenschlager, N., Wolf, P.A., D'Agostino, R., Ordovas, J., Schaefer, E., Growdon, J.H., Haines, J.L.: Risk of Alzheimer's Disease is Associated with Parental Age Among Apolipoprotein E e4 Heterozygotes. *Alzheimer's Research*, 3:83-91, 1997.

Small GW, Scott WK, Komo S, Yamaoka LH, Farrer LA, **Auerbach S.H.**, Saunders AM, Roses AD, Haines JL, Pericak-Vance MA. No association between the HLA-A2 allele and Alzheimer's disease. *Neurogenetics*, 2:177-182, 1999.

Guo Z, Cupples LA, Kurz A, **Auerbach SH**, Volicer L, Chui H, Green RC, Sadovnick AD, Duara R, DeCarli C, Johnson K, Go RC, Growdon Jh, KukullWA, Farrer LA. Head Injury and the risk of Alzheimer's disease in the MIRAGE Study. *Neurology*, 54: 1316-1323, 2000.

Cronin-Golomb A, Cronin-Golomb M, Dume T.E., Brown A.C., Jain K, Cipolloni P.B., **Auerbach S.H.** Facial frequency manipulation normalizes face recognition in AD. *Neurology*, 54:2316-2318, 2000.

Cupples LA, Weinberg J, Beiser A, **Auerbach S.H.**, Volicer L, Cipolloni PB, Growdon JH, D'Agostino R, Wolf PA, Farrer LA. Effects of smoking and alcohol on Alzheimer's disease: The MIRAGE Study. *Alz Rep* 2000.

Myers RH, Cupples LA, Taylor CA, Saint-Hilaire MH, **Auerbach SH**, Feldman RG, Farrer LA. The genetic component in Parkinson's Disease is half that of Alzheimer's Disease. *Alzheimer's Report*, 4:9-15, 2000.

Auerbach, S.H., Neurobehavioral Assessment of the Elderly, *Journal of Geriatric Psychiatry*, 34(2), 2001.

Auerbach, S.H., Book review of *Vascular Dementia* for *Journal of Vascular Surgery*, 2002.

Green RC, Cupples LA, Co R, Burke KS, Edeki T, Griffith PA, Williams M, Hipps Y, Graff-Rudford N, Bachman D, Farrer LA for the **MIRAGE Study Group**, Risk of Dementia among white and African American relatives of patients with Alzheimer's Disease, *Journal of the American Medical Association*, 287(3): 329-336, 2002.

Auerbach, S.H., Sleep Disorders Related to Alcoholism and Other Drug Use, In Section 10: Medical Disorders and Complications of Addiction, In *Practices and Principles of Addictive Medicine*, New York: American Society of Addiction Medicine, 157-173, 2002.

McNamara, P., Dowdall, J., and **Auerbach, S.** REM sleep, early experience, and the development of reproductive strategies. *Human Nature*, Vol. 13, No. 4, pp. 405-435, 2002.

McNamara P, Durso R, **Auerbach SH**, Dopaminergic syndromes of sleep, mood and mentation: evidence from Parinson's disease and related disorders. *Sleep and Hypnosis*, 2002:4(4).

Green RC, Cupples LA, Kurz A, **Auerbach S**, Go R, Sadovnick D, Duara R, Kukull WA, Chui H, Eoleki T, Griffith PA, Friedland RP, Bachman D, Farrer L. Depression as a risk factor for Alzheimer's Disease. *Archives of Neurology*, 60:753-759, 2003.

Auerbach S. Karow CM. Neurobehavioral assessment of mood and affect in patients with neurological disorders. [Review] [16 refs] *Seminars in Speech & Language*. 24(2):131-43, 2003.

Auerbach SH. Flex your brain! Like a muscle, the brain may need exercise to stay healthy. *Health News*. 9(8):3, 2003 Aug.

Auerbach SH. Alzheimer's drugs deliver fringe benefits. Cholinesterase inhibitors improve more than just memory. *Health News*. 9(3):1-2, 2003 Mar.

Rollinson D, Rathlev NK, Moss M, Killiany R, Sassower K, **Auerbach S.**, Fish SS. The effects of rotating schedules on neuropsychological performance of interns in the emergency department. *Annals of Emergency Medicine*, 2003: 41(3):400-6.

Gottlieb DJ, Vezina RM, Chase C, Leske SM, Heeren TC, Weese-Mayer DE, **Auerbach SH**, Corwin MJ. Symptoms of sleep-disordered-breathing in five-year-old children are associated with sleepiness and problem behaviors. *Pediatrics*, 2003:112:870-877.

Gottlieb DJ, Chase C, Vezina RM, Heeren TC, Corwin MJ, **Auerbach SH.**, Weese-Mayer DE, Leske SM. Sleep-disordered breathing symptoms are associated with poorer cognitive function in 5-year-old children. *J Pediatr*, 45:458-64, 2004.

PUBLISHED ABSTRACTS:

Braun, M.A., **Auerbach, S.H.**, et al.: Long latency somatosensory evoked potentials in hydrocephaly. *Annals of Neurology*, 18:388A, 1975.

Auerbach, S.H., Friedman, J. et al.: Attention in closed head injury: Correlation with a failure to visually suppress the vestibular ocular reflex in diffuse axonal injury. *Neurology*, 18:388A, 1975.

Auerbach, S.H., Matsumiya, Y., Rosman, N.P.: Average evoked potential studies in a hydrocephalic child with special reference to long latency components of somatosensory evoked potentials. *Electroenceph Clin Neurophys.*, 50:159, 1980.

Auerbach, S.H., DePiero, T.J., Romanul, F.C.A.: The syndrome of head tilt and convergence refractory nystagmus: Localization in a fragment of the Sylvian Aqueduct Syndrome. *Ann Neuro.*, 1980.

Auerbach, S.H., Naeser, M.: A quantitative neurophysiological analysis of Aphasic Syndrome. *Ann Neuro.*, 1981.

Auerbach S.H., S.H. Obler, L.K., Firnhaber-White, R.: Patterns of dementia in Alzheimer's disease. *Gerontologist*, 1982.

Auerbach, S.H., Moore, S. Weinberg, R.: Traumatic Brain Injury: The identification of clinical neurobehavioral subtypes. *Archives of Physical Medical and Rehabilitation*, October, 1983.

Weinberg, R., **Auerbach, S.H.**: Treatment of depression in an aphasic stroke patient: Case study. *Archives of Physical Medical and Rehabilitation*, October, 1983.

Auerbach, S.H., Moore S., Weinberg, R.: Clinical subtypes of memory disorders in closed heads injury. *Neurology*, 34 (Supplement 1): 247, 1984.

GottliebDJ, Chase C, Vezina RM, Heeren TC, Corwin MJ, **Auerbach SH**, MD, Weese-Mayer DEMD, Lesko SM. Sleep-disordered breathing symptoms are associated with poorer cognitive function in 5-year-old children. *Journal of Pediatrics*, 2004.

Marks, D., **Auerbach, S. H.**: P3 activity as a marker of Diffuse Axonal Injury (DAI) in Closed Head Injury (DHI). A longitudinal study. *Archives of Physical Medicine and Rehabilitation* 64:649, 1987.

Auerbach, S. H., Friedman, J.: Minor head injury and the post concussive syndrome: Vestibular disorders and clinical subtypes. *Neurology*, 38 (3) Suppl 1:379, 1988.

Auerbach, S. H., Kelly, M.: Clinical subtypes in closed head injury: The basolateral limbic disorder. *Neurology*, 38 (3) Suppl 1:396, 1988.

Auerbach, S.H., White, R.F., Moss, M., Friedman, S.: Clinical subtypes in the postconcussive syndrome: The syndrome of diffuse axonal injury (PCS-DAI). *Neurology*, 39(3) Suppl 1, 1989.

Auerbach, S.H., Moss, M.B., White, R.F., Friedman, J.: Clinical subtypes in Traumatic Brain Injury (TBI): The residual syndrome of mild herniation compared to mild DAI. *Neurology*, 40(3), 1990.

Auerbach, S.H., Moss, M.B., White, R.F.: Neuropsychological test findings in the syndrome of diffuse axonal injury: A subtype of the post-concussional syndrome. *Neurology*, 30:297, 1991.

Silver, J. F., **Auerbach, S.H.**, Durso, R., Howard, G., Feldman, R.G.: Sleep-wake cycle, circadian rhythm and Parkinson's disease. *Neurology*, 41(3), Suppl.1, 190, 1991.

Auerbach, S.H., Mosbach, P.: Risk factors in pseudo-seizures: The importance of childhood sexual abuse. *Neurology*, 42(4): Suppl., 1992.

Auerbach, S.H.: Childhood sexual abuse and adult insomnia: A pattern previously diagnosed as idiopathic. *Neurology*, 1993.

Mosbach, P., **Auerbach, S.H.**, Saint-Hilaire, M.: Phototherapy as a treatment for sleep disorder in Parkinson's disease. A case study. *Neurology*, 1993.

Farrer, L., Cupples, L.A., Blackburn, S., Keily, D., **Auerbach, S.H.**, et al.: Interpreter assessment for diagnosis of Alzheimer's disease: The Mirage Study. *Neurology*, 1993.

Auerbach, S.H., Mosbach, P.: Phototherapy for behavior disorders in Parkinson's patients with subcortical dementia. Published in: Proceedings of the 6th Annual Meeting of the American Neuropsychiatric Association (Newport, Rhode Island, July 21-24, 1994).

Farrer, L.A., Cupples, L.A., Blackburn, S., Kiely, D., **Auerbach, S.H.**, Growdon, J., Connor, L., Karlinsky, H., Thibert, A., Burke, J., Utley, C., Chui, H., Ireland, A., Duara, R., Lopez-Alberola, R., Larson, E., O'Connell, S., Kukull, W.: Interrater agreement for diagnosis of Alzheimer's disease: The MIRAGE study. *Neurology*, 44:652-656, 1994.

Farrer, L.A., Cupples, L.A., van Duijn, C., Kurz, A., Zimmer, R., Muller, U., Green, R., Clark, V., Shoffner, J., Wallace, D., Chui, H., Flanagan, S., Duara, R., Hyslop, P., **Auerbach, S.H.**, Volicer, L., Wells, J., van Broeckhoven, C., Growdon, J., Haines, J.L.: ApoE genotype in patients with Alzheimer's disease: Implications for risk of dementia among relatives. *Am J Hum Genet*, 57(suppl.): 1381, 1995.

Farrer, L.A., Cupples, L.A., Foley, E.J., Volicer, L., Wells, J.M., Kurz, A., Green, R.C., Chui, H., Duara, R., **Auerbach, S.H.**, et al. Risk of Alzheimer's disease is associated with an interaction of Apolipoprotein E and parental age. *Neurology*, (Suppl), 1996.

Auerbach, S.H., Frank, S., Mosbach, P., Elias, S.A., Saint-Hilaire, M.H., Feldman, R.G.: Circadian rhythm and sleep disturbance in Parkinson's disease. *Neurology*, 46:A119, 1996.

Farrer, L.A., Cupples, L.A., van Dui'n, C., Kurz, A., Zimmer, R., Muller, U., Green, R., Clark, V., Shoffner, J., Wallace, D., Chui, H., Flanagan, S., Duara, R., Hyslop, P., **Auerbach, S.**, Volicer, L., Wells, J., van Broeckhoven, C., Growdon, J., Haines, J.L.: ApoE genotype in patients with Alzheimer's disease: Implications for risk of dementia among relatives. *Am J Hum Genet* 57(Suppl.): 1381, 1995.

Farrer, L.A., Cupples, L.A., Foley, E.J., Volicer, L., Wells, J.M., Kurz, A., Green, R.C., Chui, H., Duara, R., **Auerbach, S.**, et al.: Risk of Alzheimer's disease is associated with an interaction of Apolipoprotein E and parental age. *Neurology*, (Suppl.), 1996.

Auerbach, S.H., Frank, S., Mosbach, P., Ellias, S.A., Saint-Hilaire, M.H., Feldman, R.G.: Circadian rhythm and sleep disturbance in Parkinson's disease. *Neurology*, 46:AI19, 1996.

Auerbach, S.H., Au, R., Beiser, A., Seshadri, S., Wolf, P.A. Mild Cognitive Impairment: 25 Year Follow-Up in the Framingham Study. *Neurology*, 2003, in press.

Auerbach, S.H., Kelly, M., Lehan, W.: Differential Impact Of Phasic REM Sleep On Obstructive Sleep Apnea (OSA). *Sleep*, 2003, in press.

PRESENTATION OF PAPERS:

Auerbach, S.H., S. Matsumya, Y., Rosman, N.P.: Average evoked potentials, studies in a hydrocephalic child with special reference to long latency components of somatosensory evoked potentials. Thirty-third Annual Meeting of the American Electroencephalographic Society, Atlanta, Georgia, September 19, 1979.

Auerbach, S.H., Pure word deafness – A prephonemic temporal auditory acuity disorder. Boston Society of Neurology and Psychiatry, June 19, 1980

Auerbach, S.H., DePiero, T. J., Romanul, F.: The syndrome of head tilt and convergence refractory nystagmus: Localization in a fragment of the Sylvian Aqueduct Syndrome. American Neurological Association, September 9, 1980.

Auerbach, S.H., Naeser, M. A.: A quantitative neurophysiological analysis of aphasic syndromes. Meeting of the American Neurological Association, San Francisco, California, September 16, 1981.

Auerbach, S.H., Naeser, M.A., Mazurski, P.: Correlation of neurophysiological and neuroanatomical data in disorders of phonemic discrimination. American Academy of Aphasia, October 14, 1981.

Allard, T., **Auerbach, S.H.**: A case study of phonological production in pure word deafness. International Neuropsychological Society, Pittsburgh, Pennsylvania, February, 1982.

Auerbach, S.H., Obler, L.K., White, R.F.: Patterns of dementia in Alzheimer's disease. Gerontological Society of America Conference, Boston, Massachusetts, November 22, 1982.

Auerbach, S.H., Moore, S., Weinberg, R.: Traumatic brain injury: The identification of clinical neurobehavioral subtypes. Annual Meeting of the American Academy of Physical Medicine and Rehabilitation, Los Angeles, California, November 8, 1983.

Weinberg, R., **Auerbach, S.H.**: Treatment of depression in an aphasic stroke patient: Case study. Annual Meeting of the American Academy of Physical Medicine and Rehabilitation, Los Angeles, California, November 8, 1983 (Poster).

Auerbach, S.H., Moore, S., Weinberg, R.: Cognitive rehabilitation in closed head injury: A neurobehavioral approach to the identification of clinical subtypes (poster). Models and Techniques of Cognitive Rehabilitation – IV, Indianapolis, April 2, 1984.

Moore, S., Weinberg, R., **Auerbach, S.H.**: Management of the agitated patient: A tool to effectively evaluate severity of agitation and response to medication (poster). Models and Techniques of Cognitive Rehabilitation – IV, Indianapolis, April 2, 1984.

Auerbach, S.H., Friedman, J., et al.: Attention in closed head injuries: Correlations with a failure to visually suppress the vestibular ocular reflex in diffuse axonal injury. Thirty-sixth Annual Meeting of the American Academy of Neurology, April 2, 1984.

Auerbach, S.H., Weinberg, R., Moore S., Friedman, J.: Pharmacotherapy in the rehabilitation of closed head injury. The Post Graduate Course on rehabilitation of the Brain Injured Adult and Child, Ninth Annual Conference, Williamsburg, Virginia, June 6, 1985.

Auerbach, S.H., Moss, M.B., White, R.F.: Neuropsychological test findings in the syndrome of mild diffuse axonal injury: A subtype of the post-concussional syndrome. Forty-third Annual Meeting of the American Academy of Neurology, Boston, Massachusetts, May, 1991.

Silver, J.E., **Auerbach, S.H.**, Durso, R., Howard, G., Feldman, R.G.: Sleep-wake cycle, circadian rhythm, and Parkinson's disease. Forty-Third Annual Meeting of the American Academy of Neurology, Boston, Massachusetts, May, 1991.

Auerbach, S.H., Mosbach, P.: Risk factors in pseudo-seizures: The role of childhood sexual abuse. Forty-Fourth Annual Meeting of the American Academy of Neurology, San Diego, California, May, 1992.

Auerbach, S.H.: Childhood sexual abuse and adult insomnia: A pattern previously diagnosed as idiopathic. Forty-fifth Annual Meeting of the American Academy of Neurology, New York, April, 1993.

Mosbach, P.M., **Auerbach, S.H.**, et al.: Phototherapy as a treatment for sleep disorders in Parkinson's disease. Forty-fifth Annual Meeting of the American Academy of Neurology, New York, April, 1993.

Farrer, L., Cupples, L.A., Blackburn, S., Kiely, D., **Auerbach, S.H.**, et al.: Interpreter assessment in Alzheimer's disease: The Mirage Study. Forty-fifth Annual Meeting of the American Academy of Neurology, New York, April, 1993.

Auerbach, S.H., Mosbach, P., Licata-Gehr R.: Sundowning and advanced sleep phase in Alzheimer's disease. Seventh Annual Meeting of the Northeastern Sleep Society, Warwick, Rhode Island, April 17, 1993.

Buchan S., LeBlanc, D., Kelly, M., **Auerbach, S.H.**: The syndrome of very brief OSA Seventh Annual Meeting of the Northeastern Sleep Society, Warwick, Rhode Island, April 17, 1993.

Auerbach, S.H., Saint-Hilaire, M.H., et al.: A simple pacifier for OSA in Parkinson's disease. Seventh Annual Meeting of the Northeastern Sleep Society, Warwick, Rhode Island, April 17, 1993.

Auerbach, S.H., Mosbach P: Phototherapy for behavior disorders in Parkinson's patients with subcortical demntia. Sixth Annual Meeting of the American Neuropsychiatric Association, Newport, Rhode Island, July 21-24, 1994.

Auerbach, S.H., Frank S., Mosbach, P., Ellias, S.A., Saint-Hiliare, M.H., Feldman, R.G.: Circadian rhythm and sleep disturbance in Parkinson's disease. Forty-eight Annual Meeting of the American Academy of Neurology, San Francisco, California, March, 1996.

Farrer, L., Cupples, L.A., Foley, E.J., Volicer, L., Wells, J., Kurz, A., Green, R., Chui, H., Duara, R., **Auerbach, S.**, et al.: Risk of Alzheimer's disease is associated with an interaction of ApoE and paternal age. Forty-eighth Annual Meeting of the American Academy of Neurology, San Francisco, California, March 28, 1996.

Rollinson DC, Rathlev N, Moss M, Killaney R, Sassower K, **Auerbach S**,Fish SS: The effects of consecutive night shifts on neuropsychological performance of interns in the emergency department. Presented at the SAEM Annual Meeting, Boston, MA 1999

Corwin M, Gottlieb D, Lesko S, **Auerbach SH**, Chase C, Heeren T, Vezina R, Weese-Meyer D. Sleep-disordered breathind and attention deficit-hyperactivity disorder in 5 year old children: Association with cigarette smoke exposure and illnesses in infancy. 2001 Pediatric Academic Societies Meeting. Baltimore. April 30, 2001.

Green RC, McKee A, Kowall N, Au R, Young M, Beiser A, Seshadri S, **Auerbach S**, Kase C, Kubilis C, DeCarli C, Wolf PA. Clinical assessment of Alzheimer's Disease:sensitivity and specificity in the Framingham Study. Annual International Conference on Alzheimer's Disease, Stockholm, July, 2002.

McKee A, Kowall N, Au R, Young M, Beiser A, Seshadri S, **Auerbach S**, Kase C. DeCarli C, Wolf P. Topography of neurofibrillary tangles distinguishes aging from Alzheimer's Disease. Annual International Conference on Alzheimer's Diseae ,Stockholm. July, 2002.

Auerbach, S.H., Au,R., Beiser, A., Seshadri, S., Wolf, P.A. Mild Cognitive Impairment: 25 Year Follow-Up in the Framingham Study. Platform presentation at the Annual Meeting of the American Academy of Neurology, Hawaii, April 2, 2003.

Auerbach, S.H., Kelly, M., Lehan, W.: Differential Impact Of Phasic REM Sleep On Obstructive Sleep Apnea (OSA). 17th Annual Meeting of the Association of Professional Sleep Societies, Chicago, June 6, 2003.

PRESENTATIONS:

Neurological emergencies. Boston Veterans Administration Medical Center Emergency Medicine Lecture Series, Boston, Massachusetts, August 24, 1979.

Dementia in the elderly. Understanding Dementia in the Older Adult Symposium, Sponsored by City Hospital of Boston, Mattapan Hospital, April 23, 1980.

Emergencies in neurology. Neurology Grand Rounds, Boston Veterans Administration Medical Center, Boston, Massachusetts, October 2, 1980.

Patterns of Dementia. Northampton Veterans Administration Medical Center, Northampton, Massachusetts, February, 1981.

Aphasia. Manchester Veterans Administration Medical Center, Manchester, Massachusetts, March, 1981.

Dementia. Jordan Hospital, Plymouth, MA, October 1981.

The neurology of aphasia. Grand Rounds, Braintree Hospital, Braintree, Massachusetts, November 9, 1981.

The neurobehavioral sequelae of traumatic brain injury. Rehab-Psychology Grand Rounds, University Hospital, Boston, Massachusetts, January 19, 1982.

Behavioral sequelae in closed head injury. New England Society of Physical Medicine and Rehabilitation, April 21, 1982.

Behavioral sequelae of focal brain lesions. Medical Grand Rounds, Jordan Hospital, Plymouth, Massachusetts, April 22, 1982.

Neurobehavioral sequelae of traumatic brain injury. Grand Rounds, Department of Neurology, Boston University Medical Center and Boston Veterans Administration Medical Center, September 9, 1982.

Behavioral disturbances of stroke. First Annual Meeting of Massachusetts Association of Rehabilitation Nurses, October 4, 1982.

Paying attention to confusion. Third Annual Braintree Hospital Brain Injury Conference, October 13, 1982.

Electrodiagnostic tools in brain injury (with J. Friedman). Third Annual Braintree Hospital Brain Injury Conference, Braintree, Massachusetts, October 13, 1982.

Neuropharmacological issues in the traumatic brain injured (with R.I. Weinberg). Third Annual Braintree Hospital Brain Injury Conference, Braintree, Massachusetts, October 14, 1982.

Medical and neurobehavioral aspects of Alzheimer's disease. Alzheimer's Dementia: A Program for Professionals, Youville Hospital, Cambridge, Massachusetts, May 11, 1983.

Psychiatric sequelae in traumatic head injury. Psychosomatic Grand Rounds, Massachusetts General Hospital, Cambridge, Massachusetts, September 2, 1983.

Clinico-anatomical correlates: A neurobehavioral approach to clinical subtypes in traumatic brain injury. Fourth Annual traumatic Head Injury Conference, Braintree, Massachusetts, October 19, 1983.

Perspectives on cognitive retaining (with J.P. Harley, R. Schwartz J. Henderson). Fourth Annual Traumatic Head Injury Conference, Braintree, Massachusetts, October 19 – 20, 1983.

Closed head injury: A neurobehavioral approach. Neurology Grand Rounds, Boston Veterans Administration Medical Center, December 15, 1983.

Concussion. Neurology Grand Rounds, University Massachusetts Medical Center, Worcester, Massachusetts, February 14, 1984.

Biological basis of behavior. Fielding Institute Graduate Seminar for Graduate Psychology Program, Boston, Massachusetts, May 2, 1984.

Head injuries in the elderly. Grand Rounds, GRECC Edith Nourse Rogers Memorial Veterans Hospital, Bedford, Massachusetts, May 22, 1984.

Neurobehavioral models in closed head injury. Approaches to Management and Psychopharmacology, Seminar and Workshop at Bryn Mawr Rehabilitation Hospital, Bryn Mawr, Pennsylvania, June 15, 1984.

Neurobehavioral issues in closed head injury. Grand Rounds, Boston University, Department of Neurology, Boston Veterans Affairs Medical Center, September, 1984.

Geriatric issues in the neurobehavioral sequelae of closed head injury. Gerontology Grand Rounds, Jewish Memorial Hospital, December 28, 1984.

Pharmacology and cognitive rehabilitation: A neurobehavioral approach. Fifth Annual Conference on Traumatic Brain Injury, Braintree, Massachusetts, October, 1984.

Neurobehavioral subtypes in closed head injury: Correlation with measures of brainstem integration. Fifth Annual Conference on Traumatic Brain Injury, Braintree, Massachusetts, October, 1984.

Issues in the management of drug induced movement disorders. Grand Rounds, Division of Psychiatry, January 10, 1985.

Alzheimer's disease – an update on research. Medical Grand Rounds, Jordan Hospital, Plymouth, Massachusetts, May 10, 1985.

Neurobehavioral sequelae of traumatic brain injury: Theoretical models of pharmacology. Sixth Annual Traumatic Head Injury Conference, Braintree, Massachusetts, October, 1985.

Neurobehavioral sequelae of traumatic brain injury: Practical implications of pharmacotherapy. Sixth Annual Traumatic Head Injury Conference, Braintree, Massachusetts, October, 1985.

Neuropsychological syndromes of stroke: The parietal lobes. Symposium, American Heart Association, Massachusetts Chapter, November, 1985.

Neurobehavioral disorders in traumatic brain injury: An application of neurobehavioral subtypes. Connecticut Traumatic Brain Injury Association Annual Meeting, New Haven, Connecticut, November, 1985.

Neurobehavioral subtypes in schizophrenia. McLean Hospital Neuropsychiatry Rounds, Belmont, Massachusetts, March, 1986.

Alzheimer's disease: Clinical assessment and management. Alzheimer's Disease and Related Disorders Association of Eastern Massachusetts Conference, Boston, Massachusetts, April, 1986.

Frontolimbic subtypes in schizophrenia. Psychiatry Rounds, Massachusetts Mental Hospital, Boston, Massachusetts, May, 1986.

Neurobehavioral aspects of traumatic brain injury. Educational Program Social Security Disability Branch of the Massachusetts Rehabilitation Commission, Boston, Massachusetts, May 1986.

Neuroanatomical correlates of behavioral disorders in traumatic brain injury: An approach. Tenth Annual Meeting of the American Congress of Rehabilitation and American Academy of PM & R, October 1986.

Neurobehavioral consequences of traumatic brain injury. Grand Rounds, Veterans Administration Outpatients Clinic, Boston, Massachusetts, January, 1987.

Huntington's disease: Neurobehavioral disorders: From DNA to thinking. Boston University School of Medicine, February, 1987.

Neurobehavioral aspects of schizophrenia.: From DNA to thinking. Boston University School of Medicine, March, 1987.

Neurobehavioral basis of communication disorders on traumatic brain injury. New Hampshire Speech, Language, and Hearing Association Annual Conference, Durham, New Hampshire, May, 1987.

Alzheimer's disease: Recent developments. Alzheimer's Disease. Helping the Family Survive Symposium, Commission on Affairs of the Elderly and Boston University, Sargent College, Boston, Massachusetts, June, 1987.

Alzheimer's disease and home care. Elder Care Resources, Inc., Providence, Rhode Island, June, 1987.

The post concussive syndrome. Annual Athletic Trainers of Massachusetts Sports Medicine Conference, June, 1987.

Neuroanatomical correlates of attention and memory disorders in traumatic brain injury: An application of neurobehavioral subtypes. International Head Injury Institute, Emerson College, Cambridge, England, August, 1987.

The post concussive syndrome. International Head Injury Institute, Emerson College, Cambridge, England, August, 1987.

Management of spasticity in traumatic brain injury. Symposium on Management of Spasticity, Temple University, Philadelphia, Pennsylvania, March 14, 1988.

The post concussive syndrome: Re-evaluating the problem. Neurology Grand Rounds, April, 1988.

Alzheimer's disease: update in diagnosis and management. Nashua Valley Community Hospital, Medical Grand Rounds, November, 1988.

Pharmacological management of agitation in traumatic brain injury. Seminar on Neurobehavioral Issues in Traumatic Brain Injury Seminar, New Medico, Boston, Massachusetts, September, 1990.

Sleep disorders. Medical Grand Rounds, Emerson Hospital, Concord, New Hampshire, November, 1990.

Sleep disorders in traumatic brain injury. Annual Meeting of the National Head Injury Foundation, New Orleans, Louisiana, December, 1990.

Approaches to sleep medicine. Evans Medical Rounds, University Hospital, Boston, Massachusetts, September, 1990.

Approaches to sleep medicine. Evans Medical Rounds, University Hospital, Boston, Massachusetts, September, 1990.

The Alzheimer's disease patient in the acute care setting. Keynote Address, Eastern Massachusetts Alzheimer's Association Symposium, Framingham, Massachusetts, November, 1990.

Diagnostic approaches to sleep disorders. University Hospital, Hartford, Connecticut, October 8, 1991.

Sleep disorders in medical practice. Medical Grand Rounds, Norwood Hospital, Norwood, Massachusetts, October 15, 1991.

Issues in sleep medicine. Evans Medical Rounds, The University Hospital, Boston, Massachusetts, December 20, 1991.

The sleep laboratory: Applications in neurological practice. Neurology Grand Rounds, Boston Veterans Administration Medical Center, Boston, Massachusetts, January 2, 1992.

Sleep disorders: Clinical approaches. Medical Grand Rounds, Southwood Community Hospital, Southwood, Massachusetts, January, 1992.

Medical management of sleep disorders. Medical Grand Rounds, Rockville general Hospital, Rockville, Connecticut, January 24, 1992.

Diagnosis and management of sleep disorders. Medical Grand Rounds, Carney Hospital, Dorchester, Massachusetts, February, 1992.

Sleep disorders in traumatic brain injury. Massachusetts Head Injury Association Annual Meeting, Worcester, Massachusetts, March, 1992.

Treatment of insomnia. Medical Rounds, St. Joseph's Hospital, Nashua, New Hampshire, May 13, 1992.

Benzodiazepines in insomnia. Medical Grand Rounds, Nashua Memorial Hospital, Nashua, New Hampshire, May 21, 1992.

Pathophysiology of the post concussion syndrome. Conference on Diagnosing Minor Head Injury, Toronto, Canada, October 17, 1992.

Neurobehavioral aspects of the post concussive syndrome. New England Psychological Association Annual Meeting, November, 1992.

Alzheimer's disease and the family. Keynote Speaker, United Methodist's Women's Association Annual Meeting, November, 1992.

What else to look for besides sleep apnea. First Annual Meeting Massachusetts Chapter of the America Sleep Apnea Association, Randolph, Massachusetts, January 21, 1993.

Sleep disorders: Identification and management. Medical Grand Rounds, Winthrop Hospital, Winthrop, Massachusetts, January 26, 1993.

Sleep disorders. Neurology in Primary Care, Nurse Practitioner Associates for Continuing Education, Danvers, Massachusetts, March 20, 1993.

Current research in Alzheimer's disease. Alzheimer's Symposium with Emphasis on Care, Plymouth, Massachusetts, June 16, 1993.

Sleep disorders. Grand Rounds, Beverly Hospital, Beverly, Massachusetts, June 21, 1993.

Clinical approaches to sleep disorders. Medical Grand Rounds, Jewish Memorial Hospital, Boston, Massachusetts, September, 1993.

Sleep changes and sleep disorders in the elderly. American Academy of Neurology Annual Meeting, Washington, DC, May 1, 1994.

Phototherapy for behavior disorders in Parkinson's patients with subcortical dementia. Sixth Annual Meeting of the American Neuropsychiatric Association, Newport, Rhode Island, July 21-24, 1994.

Sleep disorders in the elderly. Boston National Primary Care Conference, Boston, Massachusetts, November 7, 1996.

Managing behavioral and psychiatric problems in dementia. Academic Conference Series, Pembroke Hospital, November 13, 1996.

Issues in sleep medicine. Neurology Grand Rounds, Department of Neurology, Boston University School of Medicine, Boston, Massachusetts, January, 1997.

Sleep disorders. Biology of Disease Course, Boston University Department of Neurology, Boston, Massachusetts, March 6, 1997.

Clinical case discussion. Combined Boston Medical Center Neurology Conference, Grand Rounds, Department of Neurology, Boston University School of Medicine, Boston, Massachusetts, March 20, 1997.

Management of the post-concussive syndrome. Medical Conference, South Boston Neighborhood Health Center, South Boston, Massachusetts, April, 1997.

Alzheimer's Disease and Down's Syndrome. Partners in Planning: Building quality of life for individuals with mental retardation as they age. Boston, Massachusetts, September 5, 1997.

Sleep disorders and obstructive sleep apnea. Otolaryngology Grand Rounds. Boston Medical Center, Boston, Massachusetts, October, 1997.

The neurology of sleep disorders. Neurology Grand Rounds, Boston Medical Center, Boston, Massachusetts, January, 1998.

Unusual manifestation of seizure disorders. Emergency Medicine Grand Rounds, Boston Medical Center, Boston, Massachusetts, May 1998.

Competency and dementia. Grand Rounds, Charlestown Community Health Center, Charlestown, Massachusetts, May, 1998.

Alzheimer's Disease and Mental Retardation presented at A Map Through the Maze, An interdisciplinary program sponsored by the Eastern Massachusetts Chapter of the Alzheimer's Association, Marlborough, MA., May. 1999.

Sleep Disorders. presented at Neurology Update. Sponsored by the Boston University School of Medicine and The Brain Center. New Seabury, MA, August, 1999.

Alzheimer's Disease. presented at Neurology Update. Sponsored by the Boston University School of Medicine and The Brain Center. New Seabury, MA, August, 1999.

Neurobehavioral Consequences of TLE. Neurology Grand Rounds. Boston Medical Center, Boston, MA., September, 1999.

Polysomnography in Obstructive Sleep Apnea. Presented at Treatment of Obstructive Sleep Apnea sponsored by the Boston University School of Medicine and the Department of Otolaryngology. Boston Medical Center, Boston, MA., November, 1999.

Alzheimer's Disease: Changes in Mental Status. South Shore RN Association. Pembroke, MA. February 10, 2000.

Alzheimer's Disease and Mental Retardation.. At A Map Through the Maze, An interdisciplinary program sponsored by the Massachusetts Chapter of the Alzheimer's Association, Marlborough, MA., May 11, 2000.

Sleep Disorders. presented at Neurology Update. Sponsored by the Boston University School of Medicine and The Brain Center. New Seabury, MA, August 11, 2000.

Sleep Disorders: What every clinician should know. Medical Grand Rounds at Lawrence General Hospital. Lawrence, MA, September 27, 2000.

Appreciating the Early Cognitive Changes in Alzheimer's Disease and Other Dementias. Division of Aging Seminars. Harvard Medical School. Beth Israel-Deaconess Hospital. Boston, MA. October 3, 2000.

Sleep Disorders for the Primary Care Physician. Primary Care Medicine Grand Rounds. Boston Medical Center. October 12, 2000.

Alzheimer's Disease: Update on Research. Keynote Address at Caregiver Conference sponsored by Alzheimer's Association. Westfield, Massachusetts. November, 2000.

The correlation between Alzheimer's Disease and Mental Retardation. At Alzheimer's Research: Expanding Knowledge, Expanding Caregiving. Sponsored by Massachusetts Alzheimer's Association. Springfield, Massachusetts. March 14, 2001.

Diagnosis in Alzheimer's Disease at A Map Through the Maze. Sponsored by the Massachusetts Alzheimer's Association. Marlborough, Massachusetts. May 9, 2001.

Management of Sleep Disorders in Alzheimer's Disease at 2001 Boston Alzheimer's Symposium. Boston, Massachusetts. October 19, 2001.

Determining Competency in Alzheimer's Disease. Annual conference for professionals, sponsored by the Massachusetts Alzheimer's Association, Marlborough, MA. May 8, 2002.

Sleep Disorders. presented at Neurology Update. Sponsored by the Boston University School of Medicine and The Brain Center. New Seabury, MA, August, 2002.

Alzheimer's Disease. presented at Neurology Update. Sponsored by the Boston University School of Medicine and The Brain Center. New Seabury, MA, August, 2002.

Understanding Narcolepsy: A Review of Recent Advances. Brown University School of Medicine, Neurology Grand Rounds, April 16, 2003.

Alzheimer's Disease: Update in Research and Management. Deaconess-Nashua Hospital Medical Grand Rounds, Nashua, April 15, 2003.

Sleep Disorders. presented at Neurology Update. Sponsored by the Boston University School of Medicine and The Brain Center. New Seabury, MA, August 1, 2003

Alzheimer's Disease. presented at Neurology Update. Sponsored by the Boston University School of Medicine and The Brain Center. New Seabury, MA, August 1, 2003.

Diagnosis and Management of Cognitive Disorders. Psychiatry Grand Rounds, Boston University School of Medicine. Boston, March 4, 2004.

Diagnosis and Management of Sleep Disorders. Psychiatry Grand Rounds, Quincey Medical Center, Quincey, MA. April 6, 2004.

Alzheimer's Disease: Research Update. Behavioral Medicine Grand Rounds. Norwood Hospital, Norwood, MA. April 20, 2004.

Alzheimer's Disease: An update on research. Keynote speech at Annual Alzheimer's Partnership Symposium. Andover, MA. April 24, 2004.

Alzheimer's Disease: Issues in risk management. Medical Grand Rounds. South Shore Medical Center. Weymouth, MA, May 21. 2004.

Update in the Diagnosis and Treatment of Alzheimer's Disease. Neurology Grand Rounds. Tuft's University School of Medicine, New England Medical Center, Boston, MA. March 25, 2004.

Multiple Sclerosis: Update in Management Annual Meeting of New England Council of Hospital Pharmacists. Chelmsford, MA. June 12, 2004.

Sleep Disorders and Alzheimer's Disease. Annual conference for professionals, sponsored by the Massachusetts Alzheimer's Association, Marlborough, MA. May 6, 2004

Recent Advances in Alzheimer's Disease. Presented at Topics in the Elderly. Update. Sponsored by the Boston University School of Medicine and The Brain Center. New Seabury, MA, October, 2004.

Sleep and Fatigue in Medical House Officers. Grand Rounds of the Department of Otolaryngological Surgery. Boston University School of Medicine. Boston, MA. November, 2004.