

May, 2009

Curriculum Vitae
Merrill S. Wise, M.D.

I. General Biographical Information

A. Personal

1. Date of Birth: February 22, 1958
2. Place of Birth: Jackson, Tennessee
3. Citizenship: USA
4. Marital status: Married: Nancy Collins Wise (1983)
Children: Collin Sheppard Wise (1985)
Grant McSwain Wise (1996)
Laura Grace Wise (2003)

B. Education

1. Undergraduate education: Rhodes College, Memphis, TN
B.S. (cum laude), Biology, 1980
2. Medical Education: University of Tennessee College of
Medicine
Memphis, TN, 1984

3. Postgraduate Training:

- | | | |
|-----------|---|---|
| 1984-1987 | Pediatrics Residency
Advisor and Chairman: | Baylor College of Medicine
Ralph Feigin, M.D. |
| 1987-1990 | Pediatric Neurology
Residency Advisor
and Section Head: | Baylor College of Medicine
Marvin Fishman, M.D. |
| 1990-1991 | Clinical Neurophysiology
Fellowship
Section Head: | Baylor College of Medicine
Peter Kellaway, Ph.D. |

C. Current Affiliation and Prior Academic Appointments

- Current Affiliation: Methodist Healthcare Sleep Disorders
Center
5050 Poplar Avenue, Suite 300
Memphis, TN 38157

Faculty Positions:
(2003-April, 2006)

Associate Professor of Pediatrics
Pediatric Neurology Section
Associate Professor of Neurology
Clinical Neurophysiology Section
Baylor College of Medicine
Houston, TX

(1998-2003)

Assistant Professor of Pediatrics
Pediatric Neurology Section
Assistant Professor of Neurology
Clinical Neurophysiology Section
Baylor College of Medicine
Houston, TX

Faculty Position:
(1991-1998)

Assistant Professor of Pediatrics and
Neurology
Pediatric Neurology Division
University of Alabama at Birmingham
School of Medicine

D. Other Information

1. Honors or Awards:

1980	Algernon Sydney Sullivan Award
1983	President, Medical School Honor Council
1984	Distinguished Medical Student Achievement Award
1984	Psychiatry Medal
1987	Chief Resident, Jefferson Davis Hospital, Houston, TX
1993	Children's Hospital of Alabama Research Award
1994	Charles Walston Service Award for Outstanding Board Leadership, Epilepsy Foundation of North and Central Alabama
2005-06	Best Doctors in America
2007-08	Best Doctors in America
2008-09	Cambridge Who's Who Registry

2. Board Certification:

1989	American Board of Pediatrics (15917); recertified 2002
1992	American Board of Psychiatry and Neurology with Special Qualifications in Child Neurology (834)
1996	American Board of Psychiatry and Neurology with Special Qualifications in Clinical Neurophysiology (758);

recertified 2005

1997 American Board of Sleep Medicine (1028)

3. Other non-academic positions:

Medical Director, Epilepsy Monitoring Unit, Texas Children's Hospital
(2001 - 2006)

Staff Physician, Clinical Neurophysiology Service, Texas Children's
Hospital (1998 – 2006)

Staff Physician, Children's Sleep Center, Texas Children's Hospital
(1998 - 2006)

Staff Physician, Blue Bird Circle Clinic for Pediatric Neurology,
Texas Children's Hospital, (1998 – 2006)

Medical Director, Clinical Neurophysiology Laboratory and Service,
Children's Hospital of Alabama (1992-1998)

Medical Co-Director, Children's Sleep Laboratory and Clinic,
Children's Hospital of Alabama (1992-1998)

II. Research Information

A. Research Support

1. Title: **Video Technologies for Neonatal Seizures**
Funding agency: National Institute of Imaging and Bioengineering,
NIH
Principal Investigator: Nicolas Karayiannis, Ph.D.
Co-Principal Investigator: Merrill S. Wise, M.D.
Dates of funding: 2002-2005
Annual direct cost:
2002: \$150,000 (\$33,000 to BCM)
2003: \$150,000 (\$33,000 to BCM)
2004: \$150,000 (\$33,000 to BCM)
Direct cost for overall period: \$450,000 (\$99,000 to BCM)
Grant (RO1 EB00183)

2. Title: **Parallel Sequence Profiling of Ion Channels in
Epilepsy**
Funding agency: National Institute of Neurological Disorders and
Stroke, NIH
Principal Investigator: Jeffrey Noebels, M.D., Ph.D.
Co-Principal Investigator: Merrill S. Wise, M.D.
Grant (RO1 NS049130)

Direct cost for overall period: \$40,000

7. Title: **A Multicenter, Double-blind, Placebo-controlled, Parallel-designed Evaluation of Lamictal (lamotrigene) for Add-on Treatment of Partial Seizures in Pediatric Patients**

Funding agency: Galaxo-Wellcome Company

Principal Investigator (UAB site) Merrill S. Wise, M.D.

Dates of funding: 1994-1996

Direct cost for overall period: \$90,948

Contract

8. Title: **An Open Label Study of Lamictal in Patients who Previously Participated in a Lamictal Pediatric Trial**

Funding agency: Galaxo-Wellcome Company

Principal Investigator (UAB site) Merrill S. Wise, M.D.

Dates of funding: 1995-1997

Direct cost for overall period: \$9,373

Contract

B. National Scientific Participation

1. Journal reviewer: Pediatrics, The Lancet, SLEEP
Journal of Clinical Sleep Medicine
Editorial Board: Sleep Diagnosis and Therapy
2. Review panels: Standards of Practice Committee, American Academy of Sleep Medicine (only pediatric member), 1997- 2003. Liaison to Task Force for Treatment of Restless Legs Syndrome and Periodic Limb Movement Disorder; Liaison to Task Force for Clinical Use of the Multiple Sleep Latency Test; drafting author for several Practice Parameters produced by the Committee

International Classification of Sleep Disorders Revision Committee, Pediatric subcommittee, 2002-2004.

Sleep Scoring Manual Development Task Force, 2004 – 2006, Respiratory Task Force, Pediatric Task Force, and Arousal Scoring Task Force, American Academy of Sleep Medicine

Treatment of Narcolepsy and other Hypersomnias of Central Origin Task Force (Chairman), American Academy of Sleep Medicine, 2006 – 2007

Indications for Polysomnography in Children Task Force (Chairman), American Academy of Sleep Medicine, 2007 -

Nosology Committee, American Academy of Sleep Medicine, Expert Review Panel for revision of the International Classification of Sleep Disorders, 2008 -

3. Professional Societies

American Academy of Sleep Medicine

Standards of Practice Committee, 1997-2003

Sleep Technologists Issues Committee, 2005 - present

Pediatrics Section

Narcolepsy Section

American Clinical Neurophysiology Society

Continuing Medical Education Committee, 1998-1999

Sleep Committee, 2005-present

Child Neurology Society

Liaison to the Association of Child Neurology Nurses, 1998-2000.

American Academy of Neurology

Sleep Section and Epilepsy Sections

American Academy of Pediatrics

American Epilepsy Society

4. Invited Lectures and Presentations (National or International)

“Clinical and Laboratory Evaluation of Excessive Sleepiness in Adults”

Sleep Medicine Course

American Clinical Neurophysiology Society annual meeting

March, 2009

Orlando, FL

“Nocturnal Events in Children”

“The Normal and Abnormal EEG”

AASM Sleep Medicine Course

September, 2008

Nashville, Tennessee

“Pediatric Polysomnography: Indications, Techniques, and Clinical Utility”
(Course Director)
SLEEP 2008 (American Academy of Sleep Medicine annual meeting)
June, 2008
Baltimore, Maryland

“Synthesis and Future Directions: an evidence-based approach to indications for polysomnography in children”
SLEEP 2008 (American Academy of Sleep Medicine annual meeting)
June, 2008
Baltimore, Maryland

“Diagnostic Evaluation of Hypersomnia: Roles of the MSLT, MWT and CSF Hypocretin-1”
Polysomnography Course
American Clinical Neurophysiology Society Annual Meeting
February, 2008
Savannah, GA

“Developmental Changes in Sleep/Wake Patterns during Childhood”
Advanced Pediatric Polysomnography Course
SLEEP 2006 (American Academy of Sleep Medicine annual meeting)
June, 2006
Salt Lake City, Utah

“Diagnostic procedures in sleep medicine”
Sleep Medicine for Epileptologists Course
American Epilepsy Society/American Clinical Neurophysiology Society
Annual Meeting, Dec., 2005
Washington, D.C.

“Objective measures of sleepiness and wakefulness”
Special Interest Group: Sleep and Epilepsy
American Epilepsy Society/American Clinical Neurophysiology Society
Annual Meeting, Dec., 2005
Washington, D.C.

“Objective measures of sleepiness: The Multiple Sleep Latency Test and the Maintenance of Wakefulness Test”
American Academy of Sleep Medicine Annual Meeting, June, 2005
Denver, Colorado

“Objective measures of sleepiness and wakefulness: Application to the real world?”

American Clinical Neurophysiology Society Annual Meeting, Sept., 2004
Montreal, Canada

“Artifacts in polysomnography”

American Clinical Neurophysiology Society Annual Meeting, Sept., 2004
Montreal, Canada

“Critical analysis of objective measures of sleepiness”

American Academy of Sleep Medicine Annual Meeting, June, 2003
Chicago, IL

“Young to Old: How the EEG and PSG change with Age”

American Academy of Sleep Medicine Annual Meeting, June, 2001
Chicago, IL

“Nocturnal Events in Children”

American Academy of Sleep Medicine Annual Meeting, June, 2001
Chicago, IL

“Controversies in Neurophysiology: Challenges and Opportunities in Neonatal EEG”

American Clinical Neurophysiology Society Annual Meeting, September,
2000
Montreal, Canada

“Recording Sleep in Infants and Young Children”

American Academy of Sleep Medicine Annual Meeting, June, 2000

Sleep and the Developing Brain

Symposium Organizer and Moderator

Child Neurology Society Annual Meeting, October, 1999
Nashville, TN

“Sleep and Epilepsy in Children”

American Academy of Sleep Medicine Annual Meeting, June, 1999

“EEG/Video Monitoring in Neonates and Infants”

American Clinical Neurophysiology Society Annual Meeting
September, 1997
Los Angeles, CA

“Childhood Narcolepsy”
Narcolepsy Symposium
American Academy of Neurology Annual Meeting, April, 1997
San Francisco, CA

“Childhood Narcolepsy”
International Roundtable: Current Issues in the Diagnosis and Management
Of Narcolepsy, October, 1996
Miami, FL

“Childhood Narcolepsy”
Narcolepsy Symposium
American Academy of Neurology Annual Meeting, April, 1996

C. Publications

1. Papers or Editorials:

Wise MS and Johnson A. Narcolepsy and other disorders of excessive sleepiness in children. *Alabama Ped* 1992;11: 11-15.

Johnson A, **Wise M**, and Jimerson C. The PNP role in a children’s sleep clinic. *J Pediatr Health Care* 1995;9:162-166.

Wise MS, Rutledge SL, and Kuzniecky R. Rasmussen’s syndrome and long term response to gamma globulin. *Pediatric Neurology* 1996;14:149-152.

Gilliam F, Wyllie E, Kashden J, Faught E, Kotagal P, Bebin M, **Wise M**, Comair Y, Morawetz R, and Kuzniecky R. Epilepsy surgery outcome: comprehensive assessment in children. *Neurology* 1997;48:1368-1374.

Wise MS. Parasomnias in children. *Pediatric Annals* 1997;26:427-433.

Wise MS. Childhood narcolepsy. *Neurology* 1998;50 (Suppl 1):S37-S42.

Chesson AL, Littner M, Davila D, Anderson WM, Grigg-Damberger M, Hartse K, Johnson S, and **Wise M**. Practice parameters for the use of light therapy in the treatment of sleep disorders. An American Academy of Sleep Medicine report: Standards of Practice Committee of the American Academy of Sleep Medicine. *Sleep* 1999;22:641-648.

Chesson AL, **Wise M**, Davila D, Johnson S, Littner M, Anderson WM, Hartse K, and Rafecas J. Practice parameters for the treatment of restless

legs syndrome and periodic limb movement disorder. An American Academy of Sleep Medicine report: Standards of Practice Committee of the American Academy of Sleep Medicine. *Sleep* 1999;22:961-968.

Duchowny M, Pellock JM, Graf WD, Billard C, Gilman J, Casale E, Womble G, Risner M, Manasco P, and the Lamictal Pediatric Partial Seizure Study Group (**Wise M**). A placebo-controlled trial of lamotrigene add-on therapy for partial seizures in children. *Neurology* 1999;53:1724-1731.

Chesson AL, Anderson WM, Littner M, Davila D, Hartse K, Johnson S, **Wise M**, and Rafecas J. Practice parameters for the nonpharmacologic treatment of chronic insomnia. An American Academy of Sleep Medicine report: Standards of Practice Committee of the American Academy of Sleep Medicine. *Sleep* 1999;22:1128-1133.

Chesson AL, Hartse K, Anderson WM, Davila D, Johnson S, Littner M, **Wise M**, and Rafecas J. Practice parameters for evaluation of chronic insomnia. An American Academy of Sleep Medicine report: Standards of Practice Committee of the American Academy of Sleep Medicine. *Sleep* 2000;23:237-241.

Littner M, Johnson S, McCall WV, Anderson W, Davila D, Hartse SK, Kushida C, **Wise MS**, Hirshkowitz M, and Woodson B. Practice parameters for the treatment of narcolepsy: an update for 2000. An American Academy of Sleep Medicine report: Standards of Practice Committee of the American Academy of Sleep Medicine. *Sleep* 2001;24:451-466.

Littner M, Kushida C, Hartse K, Anderson WM, Davila D, Johnson S, **Wise MS**, Hirshkowitz M, and Woodson B. Practice parameters for the use of laser-assisted uvulopalatoplasty: an update for 2000. An American Academy of Sleep Medicine report: Standards of Practice Committee of the American Academy of Sleep Medicine. *Sleep* 2001;24:603-619.

Karayiannis NB, Srinivasan S, Bhattacharya R, **Wise MS**, Frost JD, and Mizrahi E. Extraction of motion strength and motor activity signals from video recordings of neonatal seizures. *IEEE Trans Med Imaging* 2001;20:965-980.

Wise MS and Lynch J. Narcolepsy in children. *Semin Pediatr Neurol* 2001;8:198-206.

Littner M, Hirshkowitz M, Davila D, Anderson WM, Kushida CA, Woodson BT, Johnson SF, **Wise MS**. Practice parameters for the use of auto-titrating positive airway pressure devices for titrating pressures and

treating adult patients with obstructive sleep apnea syndrome. An American Academy of Sleep Medicine report: Standards of Practice Committee of the American Academy of Sleep Medicine. *Sleep* 2002;25:143-147.

Shearer WT, Rais M, Teran JM, Abramson SL, Brouwers PY, Evankovich KD, Glaze DG, Jefferson LS, Seilheimer DK, EO Smith, **Wise MS**, Lee BN, Reuben JM. sTNF-aRI levels in childhood asthma. *Ped Asthma Allergy Imm* 2002;15:233-234.

Littner M, Kushida CA, Anderson WM, Bailey D, Berry RB, Davila DG, Hirshkowitz M, Kapen S, Kramer M, Loube D, **Wise M**, and Johnson SF. Practice parameters for the role of actigraphy in the study of sleep and circadian rhythms: an update for 2002. An American Academy of Sleep Medicine report: Standards of Practice Committee of the American Academy of Sleep Medicine. *Sleep* 2003;26:337-341.

Littner M, Hirshkowitz M, Kramer M, Kapen S, Anderson WM, Bailey D, Berry R, Davila D, Johnson S, Kushida C, Loube D, **Wise M**, Woodson T. Practice parameters for using polysomnography to evaluate insomnia: an update. An American Academy of Sleep Medicine report: Standards of Practice Committee of the American Academy of Sleep Medicine. *Sleep* 2003;26:754-760.

Wise MS. Narcolepsy and other disorders of excessive sleepiness. *Med Clin North Am* 2004;88:597-610.

Littner MR, Kushida C, Anderson WM, Bailey D, Berry RB, Hirshkowitz M, Kapen S, Kramer M, Lee-Chiong T, Li KK, Loube DL, Morgenthaler T, **Wise M**. Practice parameters for the dopaminergic treatment of restless legs syndrome and periodic limb movement disorder. An American Academy of Sleep Medicine report: Standards of Practice Committee of the American Academy of Sleep Medicine. *Sleep* 2004;27:557-559.

Karayiannis NB, Tao G, Varughese B, Frost JD, **Wise MS**, Mizrahi EM. Discrete optical flow estimation methods and their application in the extraction of motion strength signals from video recordings of neonatal seizures. Proceedings of the 26th Annual International Conference of the IEEE/EMBS. Pp. 1718-1721.

Karayiannis NB, Sami A, Frost JD, **Wise MS**, Mizrahi EM. Quantifying motion in video recordings of neonatal seizures by feature trackers based on predictive block matching. Proceedings of the 26th Annual International Conference of the IEEE/EMBS. Pp. 1447-1450.

Wise MS. A functional autoantibody in human narcolepsy? *Lancet* 2004;364(9451):2076-2077.

Littner MR, Kushida C, **Wise M**, Davila DG, Morgenthaler T, Lee-Chiong T, Hirshkowitz M, Loubé DL, Bailey D, Berry RB, Kapen S, Kramer M. Practice parameters for clinical use of the Multiple Sleep Latency Test and the Maintenance of Wakefulness Test. An American Academy of Sleep Medicine report: Standards of Practice Committee of the American Academy of Sleep Medicine. *Sleep* 2005;28:113-121.

Karayiannis NB, Sami A, Frost JD, **Wise MS**, Mizrahi EM. Automated extraction of temporal motor activity signals from video recordings of neonatal seizures based on adaptive block matching. *IEEE Trans Biomed Eng* 2005;52:676-686.

Karayiannis NB, Xiong Y, Frost JD, **Wise MS**, Mizrahi EM. Improving the accuracy and reliability of motion tracking methods used for extracting temporal motor activity signals from video recordings of neonatal seizures. *IEEE Trans Biomed Eng* 2005;52:747-749.

Kushida CA, Littner MR, Morgenthaler T, Alessi CA, Bailey D, Coleman J, Friedman L, Hirshkowitz M, Kapen S, Kramer M, Lee-Chiong T, Loubé DL, Owens J, Pancer JP, **Wise MS**. Indications for polysomnography and related procedures: an update for 2005. An American Academy of Sleep Medicine Report: Standards of Practice Committee of the American Academy of Sleep Medicine. *Sleep* 2005;28:499-521.

Karayiannis NB, Xiong Y, Frost JD, **Wise MS**, Mizrahi EM. Quantifying motion in video recordings of neonatal seizures by robust feature trackers based on block motion models. *IEEE Transactions Biomed Eng* 2005;52:1065-1077.

Karayiannis NB, Tao G, Xiong Y, Sami A, Varughese B, Frost JD Jr, **Wise MS**, Mizrahi EM. Computerized motion analysis of videotaped neonatal seizures of epileptic origin. *Epilepsia* 2005;46:901-917.

Karayiannis NB, Varughese B, Tao G, Frost JD, **Wise MS**, Mizrahi EM. Quantifying motion in video recordings of neonatal seizures by regularized optical flow methods. *IEEE Transactions Imag Processing* 2005;14:890-903.

Wise MS. Objective measures of sleepiness and wakefulness: Application to the real world? *J Clin Neurophys* 2006;23:39-49.

Kushida CA, Littner MR, Hirshkowitz M, Morgenthaler TI, Alessi CA,

Bailey D, Boehlecke B, Brown TM, Coleman J, Friedman L, Kapen S, Kapur V, Kramer M, Lee-Chiong T, Owens J, Pancer JP, Swick TJ, **Wise MS**. Practice parameters for the use of continuous and bilevel positive airway pressure devices to treat adult patients with sleep-related breathing disorders. An American Academy of Sleep Medicine Report: Standards of Practice Committee of the American Academy of Sleep Medicine. *Sleep* 2006;29:375-380.

Karayiannis NB, Xiong Y, Tao G, Frost JD, **Wise MS**, Hrachovy RA, Mizrahi EM. Automated detection of videotaped neonatal seizures of epileptic origin. *Epilepsia* 2006;47:966-980.

Karayiannis NB, Xiong Y, Frost JD, **Wise MS**, Hrachovy RA, Mizrahi EM. Automated detection of videotaped neonatal seizures based on motion tracking methods. *J Clin Neurophysiol* 2006;23:521-531.

Bonnet MH, Doghramji K, Roehrs T, Stepanski EJ, Sheldon SH, Walters AS, **Wise M**, Chesson AL. The scoring of arousal in sleep: reliability, validity, and alternatives. *J Clin Sleep Med* 2007;3:133-145.

Redline S, Budhiraja R, Kapur V, Marcus CL, Mateika JH, Mehra R, Parthasarthy S, Somers VK, Strohl KP, Sulit LG, Gozal D, **Wise MS**, Quan SF. The scoring of respiratory events in sleep: reliability and validity. *J Clin Sleep Med* 2007;3:169-200.

Grigg-Damberger M, Gozal D, Marcus CL, Quan SF, Rosen CL, Chervin RD, **Wise M**, Picchietti DL, Sheldon SH, Iber C. The visual scoring of sleep and arousal in infants and children. *J Clin Sleep Med* 2007;3:201-240.

Wise MS, Arand DL, Auger RR, Brooks SN, Watson NF. Treatment of narcolepsy and other hypersomnias of central origin. An American Academy of Sleep Medicine Review. *Sleep* 2007;30:1712-1727.

2. Published Abstracts or Poster Exhibits:

Wise MS, Frost JB, Glaze DG, Greenberg F. Electroencephalographic/polygraphic evaluation of sleep abnormalities in Prader-Willi syndrome. *Ann Neurol* 28:440, 1990.

Wise MS, Frost JD, Glaze DG, Greenberg F. Electroencephalographic/polygraphic evaluation of sleep abnormalities in Prader-Willi syndrome. Proceedings of the Prader-Willi Syndrome and other Chromosome 15q Deletion Disorders, an International NATO-supported Advance Research Workshop, Noordwijkerhout, The

Netherlands, 1991.

Wise MS. Clinical and polysomnographic characteristics of childhood-onset narcolepsy. Proceedings of the Southern Child Neurology Society annual meeting, 1992.

Wise MS, Frost JD, Glaze DG. Psychosocial problems associated with narcolepsy in children. *Neurology* 42 (Suppl):461, 1992.

Wise MS. Profound pathological sleepiness among three children with narcolepsy: MSLT findings. Proceedings of the American EEG Society annual meeting, 1992.

Wise MS. Recurrent hypersomnia following general anesthesia. Proceedings of the American EEG Society annual meeting, 1992.

Wise MS, Rutledge SL, Harris L, Kuzniecky R. Rasmussen's syndrome: clinical and radiographic findings, and response to gammaglobulin infusion. Proceedings of the Child Neurology Society annual meeting, 1992.

Wise MS, Johnson A. Neurological aspects of pediatric sleep disorders. *Ann Neurol* 34:504;1993.

Wise MS, Johnson A, Glaze D, Frost J. Clinical and polysomnographic features of childhood-onset narcolepsy. *Ann Neurol* 34:378;1993.

Kuzniecky R, Morawetz R, Faught E, Wise M. Differences in MRI findings between children and adolescents with intractable partial seizures. Proceedings of the American Epilepsy Society annual meeting, 1993.

Wise M, Johnson A. Rasmussen's encephalitis: long term response to gamma globulin. *Ped Neurol* 11:146;1994.

Futatsugi Y, Wise MS, Rutledge SL. Isolated angiitis of the nervous system. *Ped Neurol* 11:109;1994.

Wise M, Johnson A. Pharmacotherapy in childhood narcolepsy. *Ann Neurol* 36:547, 1994.

Smith S, Lane J, Wise M. Technical aspects of bedside video/EEG/polygraphic monitoring of very low birthweight infants. Proceedings of the American Society of Electroneurodiagnostic Technologists annual meeting, 1994.

Acton RT, Watson B, Rivers C, Go R, Tseng M-L, Vanichanan C, Harman L, **Wise M**, Shettar S. Clarifying the association of genes within the Major Histocompatibility Complex with narcolepsy. *Am J Hum Genet* 55:A145, 1994.

Rivers C, Shettar S, go R, Tseng M-L, Matthews K, Vanichanan C, **Wise M**, Acton R. Association of dinucleotide repeats within or flanking the MHC with narcolepsy. *Hum Immunol* 40(S1):92, 1994.

Acton R, Shettar S, **Wise M**, Vanichanan C, Tseng M-L, Cross K, Go R. A comparison of HLA-DR2(DQB-1501) and DQ6 (DQB1-0602) associations with narcolepsy and diagnostic features in Caucasian Americans and African Americans. Proceedings of the Association of Professional Sleep Societies annual meeting, 1995.

Shettar S, **Wise M**, Vanichanan C, Tseng M-L, Singh K, Go R, Matthews K, Acton R. Clinical differences in Caucasian and African American narcolepsy patients. Proceedings of the Association of Professional Sleep Societies annual meeting, 1995.

Shettar S, **Wise M**, Vanichanan C, Tseng M-L, Singh K, Go R, Matthews K, Acton R. Clinical differences in cataplexy positive and cataplexy negative narcolepsy patients. Proceedings of the Association of Professional Sleep Societies annual meeting, 1995.

Rivers C, Go R, Vanichanan C, Matthews K, Shettar S, **Wise M**, Nance M, Acton R. Family study of narcolepsy and linkage to MHC markers. Proceedings of the Association of Professional Sleep Societies annual meeting, 1995.

Wise M, Johnson A. Cataplexy at 12 months of age. Proceedings of the Association of Professional Sleep Societies annual meeting, 1995.

Acton R, Rivers C, Shettar S, **Wise M**, Vanichanan C, Tseng M-L, Nance M, Go R. Genetic mapping of the narcolepsy predisposition gene within the Major Histocompatibility Complex. Proceedings of the American Society for Histocompatibility and Immunogenetics annual meeting, 1995.

Acton R, Watson B, Rivers C, Go R, Tseng M-L, Vanichanan C, Harmon L, **Wise M**, Shettar S. Clarifying the association of genes within the MHC with narcolepsy. *FASEB J* 9:A240, 1995.

Wise M, Johnson A. Clinical features of childhood narcolepsy. Proceedings of the Association of Professional Sleep Societies annual meeting, 1996.

Wise M. Polysomnographic and MSLT results in childhood narcolepsy. Proceedings of the Association of Professional Sleep Societies annual meeting, 1996.

Wise M, Bishop J. Technical problems associated with performing the Multiple Sleep Latency Test (MSLT) in children. Proceedings of the Association of Professional Sleep Societies annual meeting, 1996.

Wise M, Smith S, Johnson A. Neuroimaging in childhood narcolepsy using SPECT scans performed during wakefulness, non-REM sleep, and REM sleep with state definition using continuous video/EEG/polygraphic monitoring: a pilot study. Proceedings of the Association of Professional Sleep Societies annual meeting, 1996.

Kashden J, Boll T, Wise M. Neurocognitive functioning in children with narcolepsy. Proceedings of the Association of Professional Sleep Societies annual meeting, 1996.

Wise M, Gillespie S. Autosomal dominant restless legs syndrome in a young girl with symptom onset at 12 months. Proceedings of the Association of Professional Sleep Societies annual meeting, 1996.

Wise M, Gillespie S. Psychosocial aspects of childhood narcolepsy. Proceedings of the Association of Professional Sleep Societies annual meeting, 1996.

Wise M. Advances in pediatric epilepsy, in the Decade of the Brain Exhibit, Child Neurology Society annual meeting, 1996.

Wise M, Mizrahi E, Hrachovy R, Clancy R, Dunn K, Lane J, Cuccaro P, McGaurn S, and Hirtz D. Seizures in very low birthweight infants. Child Neurology Society annual meeting, 1999.

Wise M, Mizrahi E, Hrachovy R, Clancy R, Dunn K, Lane J, Cuccaro P, McGaurn S, and Hirtz D. Seizures in very low birthweight infants: clinical features. American Epilepsy Society annual meeting, 1999.

Chadwick D, Glaze DG, Wise MS, Frost JD, Hrachovy RA. Ten-year outcome of infantile spasms treated with high- versus low-dose adrenocorticotrophic hormone (ACTH). American Epilepsy Society annual meeting, 2001.

Mizrahi EM, Clancy R, Dunn K, Hirtz D, Chapieski L, McGaurn S, Cuccaro P, Hrachovy RA, Wise MS, Kellaway P. Neurologic impairment, developmental delay, and postneonatal seizures 2 years after EEG/video documented seizures in near-term and term neonates: report of

the Clinical Research Centers for Neonatal Seizures. American Epilepsy Society annual meeting, 2001.

3. Books or Book Chapters:

Wise MS. Coccidioidomycosis. In Principles and Practice of Pediatrics, Oski FA, DeAngelis C, Feigin RD, Warshaw JB (eds), JB Lippincott, Philadelphia, 1990, pp.1256-1259.

Wise MS. Histoplasmosis. In Principles and Practice of Pediatrics, Oski FA, DeAngelis C, Feigin RD, Warshaw JB (eds), JB Lippincott, Philadelphia, 1990, pp. 1260-1263.

Wise MS and Feigin RD. Sporotrichosis. In Principles and Practice of Pediatrics, Oski FA, DeAngelis C, Feigin RD, Warshaw JB (eds), JB Lippincott, Philadelphia, 1990, pp. 1262-1263.

Wise MS. Coccidioidomycosis. In Principles and Practice of Pediatrics, 2nd Edition. Oski FA, DeAngelis C, Feigin RD, Warshaw JB (eds), JB Lippincott, Philadelphia, 1994, pp.1374-1376.

Wise MS. Histoplasmosis. In Principles and Practice of Pediatrics, 2nd Edition. Oski FA, DeAngelis C, Feigin RD, Warshaw JB (eds), JB Lippincott, Philadelphia, 1994, pp. 1379-1380.

Wise MS and Feigin RD. Sporotrichosis. In Principles and Practice of Pediatrics, 2nd Edition. Oski FA, DeAngelis C, Feigin RD, Warshaw JB (eds), JB Lippincott, Philadelphia, 1994, pp. 1380-1381.

Wise M. Narcolepsy. In Current Psychiatric Diagnosis and Treatment. Baxter L and Friedel R (eds), Williams and Wilkins, Philadelphia, 1998, pp. 110-111.

Wise M. Differential diagnosis of paroxysmal nocturnal events in infants and children. In Sleep and Epilepsy: The Clinical Spectrum. Bazil C, Malow B, and Sammaritano M (eds), Elsevier, Amsterdam, 2002, pp. 339-348.

Wise M. Evaluation of excessive sleepiness. In Sleep: a comprehensive handbook. Lee-Chiong T (ed), John Wiley and Sons, 2006, pp. 183-189.

Wise M and Glaze D. Assessment of pediatric sleep disorders. In UpToDate Pediatrics. Feigin RD, ed. (in press)

III. Teaching Information

A. Didactic course work

1. Courses taught at BCM external to primary department:

Participant in Introduction to Clinical Neurophysiology (Neurology residents), 1998-2005

Participant in Clinical Neurophysiology Course (Neurophysiology fellows), 2000-2006

Participant in Neurology medical student lecture series (pediatric portion)

B. Curriculum development work

Introduction to Pediatric Epilepsy and Epilepsy Monitoring (Baylor Pediatric residents), 2001-2006

C. Non-didactic teaching while at BCM:

1. Resident training: Participation in pediatric and neurology resident education through daily teaching in the Epilepsy Monitoring Unit and 10 Tower teaching rounds, and through EEG, sleep studies, and epilepsy surgery procedures

2. Clinical fellow training: Participation in pediatric neurology fellow education through neurophysiology and sleep tutorials, Children's Sleep Clinic, and epilepsy surgery program

Participation in clinical neurophysiology fellow education through individual interpretation sessions in EEG, sleep studies, epilepsy monitoring, intraoperative monitoring, electrocorticography, Wada testing, and extraoperative mapping procedures

Coordinator, Clinical Neurophysiology fellowship program, Baylor College of Medicine, 1999-2001

3. Graduate student training: Mentor and doctoral dissertation committee member for Leigh Kent, doctoral candidate in Psychology, University of Houston (sleep project)

Mentor and doctoral dissertation committee member for Stacey Eckert, B.S., M.A., doctoral candidate in Developmental Psychology, University of Houston (sleep project)

Doctoral dissertation committee for Nancy Corser, RN, Ed.D., University of Alabama at Birmingham, 1996

University of Houston Department of Psychology Graduate Program Epilepsy Seminar: The EEG and Epilepsy, 2000.

4. Medical student mentoring: Mentor for the National Youth Leadership Forum

D. Lectures

1. National: See above, II.B.4.

2. Local (while at BCM):

The Pathophysiology of Narcolepsy. Baylor College of Medicine, Department of Neurology Grand Rounds, 1998

Neonatal Seizures. Baylor College of Medicine, Neonatology/ Perinatology Grand Rounds, 1998

Refractory Seizures: AED Therapy in the Modern Era. Current Neurology, Baylor College of Medicine Continuing Medical Education, 1998

The Role of EEG in the Evaluation of Children with Possible Seizures. Pediatric Neurology Update, Baylor College of Medicine Continuing Medical Education, 1999

Managing Pediatric Sleep Problems in the Primary Care Setting, Pediatric Neurology Update, Baylor College of Medicine Continuing Medical Education, 1999

Case Presentations in Epilepsy and Sleep, Pediatric Neurology Update, Baylor College of Medicine Continuing Medical Education, 1999

Introduction to Sleep Physiology. Baylor College of Medicine, Department of Neurology Noon Conference, 1999

Clinical Approach to Sleep Disorders. Baylor College of Medicine, Blue Bird Circle Pediatric Neurology Noon Conference, 1999

EEG and Seizures: a Primer. Epilepsy Update 1999, Baylor College of Medicine Continuing Medical Education and the Epilepsy Foundation, 1999

Introduction to the Normal EEG. Baylor College of Medicine, Department of Neurology Noon Conference, 2000

Current Concepts in Pediatric Sleep Medicine. Baylor College of Medicine, Department of Pediatrics Grand Rounds, 2000 (with **Departmental Commendations**)

Clinical Characteristics of Seizures. Pediatric Neurology Update, Baylor College of Medicine Continuing Medical Education, 2000

Approach to Managing Pediatric Sleep Disorders. Pediatrics 2000 International Colloquium, Baylor College of Medicine Continuing Medical Education, 2000

Narcolepsy Update. Current Neurology 2001, Baylor College of Medicine Continuing Medical Education, 2001

Sleep-related Violence. Baylor College of Medicine Department of Neurology Grand Rounds, 2002.

Classification of Seizures. Epilepsy Update 2003. Baylor College of Medicine and the Epilepsy Foundation, 2003

Clinical Usefulness of Neonatal EEG: an evidence-based approach. Baylor College of Medicine Neonatology/Perinatology Grand Rounds, 2005.

Sleep Disorders in Adolescents. Baylor College of Medicine Adolescent Medicine Core Lecture Series, 2005.

Fatigue and sleep deprivation in critical care physicians. Baylor College of Medicine Pediatric Critical Care Section Rounds, 2006

Local or Regional (while at UAB):

Childhood Epilepsy. Alabama Teachers Association Workshop, 1992.

Pediatric Epilepsy Syndromes. University of Mississippi School of Medicine and Epilepsy Foundation of Mississippi, 1992

Childhood Epilepsy: Evaluation and Management. Gadsden, Alabama Pediatrics Society, 1992

Pediatric Sleep Disorders. Columbus, Georgia Medical Center Grand Rounds, 1993

Pediatric Epilepsy Update. The Childrens Hospital of Alabama, Child of Today, Building for Tomorrow Conference, 1993

Pediatric Sleep Disorders. Huntsville, Alabama Pediatric Society, 1993.

Neonatal Seizures. Regional Neonatal Intensive Care Unit, University Hospital, Birmingham, Alabama. Neonatal Nurse Practitioner Inservice Conference, 1993

Neonatal Seizures. University of Alabama at Birmingham, Neonatal Nurse Practitioner student lecture, 1993

Pediatric Status Epilepticus. University of Alabama at Tuscaloosa, Noon Conference, 1993

Narcolepsy and other Pediatric Sleep Disorders. Florence, Alabama Pediatric Society, 1994

Application of EEG and Video/EEG Monitoring in Childhood Epilepsy. Huntsville, Alabama Hospital Pediatric Grand Rounds, 1994

Epilepsy: Contemporary Pediatric and Adult Issues. Course Director, sponsored by Childrens Hospital of Alabama and the Epilepsy Foundation of America, Huntsville, Alabama, 1995

Epilepsy Update for Community Neurologists, Interactive Workshop on Pediatric Epilepsy. University of Alabama Epilepsy Center, 1995

Quality of Life and Epilepsy. Course Director, sponsored by the Epilepsy Foundation of North and Central Alabama, 1996

Sleep Problems in Children. Continuing Medical Education: Neurology for the Primary Care Physician, University of Alabama at Birmingham, 1996

Neonatal Seizures. Continuing Medical Education: Neonatal Update Program, University of Alabama at Birmingham, 1996

Neonatal Seizures. Sawgrass Pediatric Society, Dothan, Alabama, 1996.

Sleep Disorders in Children. Pediatric Neurology Update, Children's Hospital of Alabama, 1997

III. Medical and Service Information

A. Patient Care Responsibilities while at BCM and affiliated institutions

1. Department-wide

Medical Director, Epilepsy Monitoring Unit, Texas Children's Hospital: responsible for coordinating and interpreting epilepsy monitoring studies, intracranial EEG studies, electrocorticography, intraoperative and extraoperative cortical stimulation, presentation of data at Epilepsy Surgery Conferences, and maintenance of comprehensive database.

Attending Physician, Children's Sleep Center, Texas Children's Hospital (one of only fourteen accredited pediatric sleep centers in US)

Attending Physician, Blue Bird Circle Clinic for Pediatric Neurology

Attending Physician, Neurology Service, Texas Childrens Hospital, Ben Taub Hospital, and The Methodist Hospital

Attending Physician, Clinical Neurophysiology Service, Texas Children's Hospital

2. Cross-department

Attending Physician, Baylor Epilepsy Surgery Program. Program encompasses the Departments of Neurosurgery, Neurology, and Pediatrics, BCM. Responsible for coordination and interpretation of neurophysiological aspects of pediatric epilepsy surgery.

Attending Physician, Clinical Neurophysiology Service, The Methodist Hospital, St. Luke's Episcopal Hospital, Ben Taub Hospital, and VA Hospital, Houston.

B. Clinical laboratory responsibilities at BCM

As summarized under patient care responsibilities

C. National education or voluntary health organization participation

Epilepsy Foundation of Southeast Texas, Professional Advisory Board, 2000-2006

Epilepsy Foundation of North and Central Alabama, Professional Advisory Board Chairman, 1992-1998; Member of Executive Board 1992-1998

Alabama Epilepsy Association Charter Member, Board of Directors

D. Administrative assignments at BCM

Blue Bird Circle Clinic Advisory Board, 1998- 2006

Development of educational presentation on effects of sleep deprivation on housestaff performance for Department of Pediatrics housestaff and faculty, with Martin Lorin, M.D.

E. Other pertinent information not given above

Videotape development: Childhood Narcolepsy, developed with UAB Office of Media Relations for national distribution and distribution to over 100 local TV markets, 1993

Management of Acute Seizures, developed with UAB Epilepsy Center, 1996

Narcolepsy, developed with Baylor College of Medicine Healthline, 2004

Narcolepsy in Adolescents, with WB Channel 39, Houston, TX, 2004

Sleep disruption in adolescents due to excessive use of computers at night, with WB Channel 39, Houston, TX 2004

Quoted in **BBC News**, Dec. 12, 2004

Quoted in **Medical News Today**, Dec. 12, 2004

Sleep Review, March/April, 2006. Article on the impact of recent practice parameters for use of the MSLT and MWT

Healthcast by Methodist Healthcare System and Channel 5 News (NBC) on sleep disorders in college age young adults, October, 2007.

Interview on WBBJ-TV (ABC affiliate in Jackson, TN) on impact of sleep disorders on the family, November 7, 2008

Healthy Women conference speaker, Regional Hospital of Jackson, (Impact of Sleep and Sleep Problems on the Family), November 14, 2008

Interview on local TV program, “What’s Up Doc?”, Pediatric Sleep Disorders, November 21, 2008

Interview on local TV program, “Six in the City”, Pediatric Sleep Disorders, December 2, 2008