

Curriculum Vitae

David Nelsen Alexander, M.D.

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Personal History

Birthplace: Seattle, Washington

Education

Amherst College, Neuroscience Major, Amherst, Massachusetts; B.A., 1975
University of Minnesota Medical School, Minneapolis, Minnesota; M.D., 1979
University Hospital, Boston University Medical Center, Boston, Massachusetts
(PGY 1) Internship in Medicine, 1979-1980
Neurological Institute of New York, Columbia Presbyterian Medical Center, New
York, New York, Residency in Neurology (PGY 2-4), 1980-1983

Honors and Awards

B.A. Cum Laude, Amherst College, 1975
Alpha Omega Alpha, University of Minnesota, 1979
Department of Neurology Award for Outstanding Service and Exemplary
Teaching, UCLA, 2005
The Golden Hammer Teaching Award for the Outstanding Teacher of the Year
Department of Neurology, UCLA, 2003, 2005 and 2007

Medical Licenses

State of New York, #145923, 1982, inactive
State of California, G-50851, 1983

Hospital Affiliations

UCLA Medical Center, Los Angeles, California 1984 to present
UCLA Neuropsychiatric Institute, Los Angeles, California, 1984 to present

Centinela Hospital Medical Center, Inglewood, California, 1984 to 2008
Centinela Freeman Regional Medical Center, Marina Campus, 2004 to present
Daniel Freeman Memorial Hospital, Inglewood, California, 1983 to 2004
Daniel Freeman Marina Hospital, Marina Del Rey, California, 1983 to 2004
UCLA Santa Monica Hospital, Santa Monica, California, 2001 to 2002
St. John's Medical Center, Santa Monica, California, 2000 to 2002

Certification

Diplomate, American Board of Psychiatry and Neurology (ABPN), 1985
Competence in Neuroimaging and MRI, by examination, American Society of Neuroimaging, 1990
Certification in Neurorehabilitation, American Society of Neurorehabilitation, 1992
Qualified Medical Evaluator, State of California Industrial Medical Council, 1993-1998, and 2002 to 2008
Fellow of the American Heart Association and the Stroke Council (F.A.H.A.), 2001 to present
Diplomate, American Board of Physical Medicine and Rehabilitation (ABPM&R), subspecialty certification in Spinal Cord Medicine, November 2001.
Diplomate, American Board of Psychiatry and Neurology, subspecialty certification in Vascular Neurology, May 2005

Academic Appointments

Clinical Instructor in Neurology, UCLA School of Medicine, 1983-1984
Assistant Clinical Professor of Neurology, UCLA School of Medicine, 1985-1993
Associate Clinical Professor of Neurology, UCLA School of Medicine, 1994-2007
Attending Staff Physician, Department of Neurology, UCLA School of Medicine, July 2002 to 2008.
Visiting Professor, Department of Neurology, David Geffen School of Medicine at UCLA, 2008

Professional Societies

American Academy of Neurology, active member
American Society of Neurorehabilitation, certified member, 1990-present
Fellow, Stroke Council of the American Heart Association, 1993-present
American Spinal Injury Association, 1996 to present
American Paraplegia Society, 2001 to present
American Society of Neuroimaging 1989-1995
Los Angeles County Medical Association 1987
Westchester Medical Society 1984

Hospital Positions

Medical Director, Daniel Freeman Marina Rehabilitation Hospital, 1984-1986
Director, Exercise and Support Group for Parkinson Disease, Daniel Freeman Fitness Center, 1986-88
Consulting Rehabilitation Neurologist, High Desert Hospital, Lancaster, CA. 1986-1990
Consulting Rehabilitation Neurologist, Meadowbrook Hospital, Los Angeles, 1987 to 1988
Director, Stroke Rehabilitation Service, Daniel Freeman Memorial Hospital, 1989 to 1999
Chairman, Rehabilitation Research Committee, DFH, 1992-2005
Medical Director, South Bay Hospital Rehabilitation Unit, South Bay Hospital, Redondo Beach, CA, July 1994 to 1995
Director, Spinal Cord Injury Rehabilitation, Daniel Freeman Memorial Hospital, 1994 to 1999
Medical Director, The Rehabilitation Center at Daniel Freeman Memorial Hospital, July 1999-2004
Co-Director, UCLA Spasticity Clinic, June 2000 to 2002
Westwood Residents' Continuity Clinic Attending Physician, 2002 to present
Neuro-hospitalist 2002-2006 at Daniel Freeman Memorial Hospital
Medical Director, Centinela Freeman Rehabilitation Center, 2004-2008
Medical Director of Acute Rehabilitation Unit, Skilled Nursing Unit and Physical Medicine, Good Samaritan Hospital, Los Angeles, CA, 2008
Associate Director, UCLA Neurology Residency Training, March 25, 2008 to present
Director, Neurological Rehabilitation and Research Unit, Ronald Reagan UCLA Medical Center, 2008 to present

Committees, Publication Reviews and Grant Reviews:

UCLA Post-Graduate Education Advisory Committee, June, 1990 to 1995.
Abstract Grading Consultant for the American Heart Association International Joint Conference on Stroke and Cerebral Circulation, 1996-97
Spinal Cord Injury Medicine Item Writer for the SCI Medicine Examination, American Board of Physical Medicine and Rehabilitation, 1996
Ad Hoc Reviewer for Stroke: A Journal of Cerebral Circulation, 1994 to present
Panelist and Primary Reviewer, AAN Therapeutic and Technology Assessment Subcommittee's Assessment of Botulinum Toxin Therapy, 1995-1997
Publications Committee, National Stroke Association, 1994-2000
CONTINUUM: Neurorehabilitation, (Lifelong Learning in Neurology), task force member, American Academy of Neurology, 1992-1993
Chair, Education Committee of the American Academy of Neurology, Neurorehabilitation Section, 1999 to 2003
Chair, Education Committee of the American Society of Neurorehabilitation, 1999 to 2002

Executive Board of the American Academy of Neurology Neurorehabilitation Section, 1998 to 2002
Rehabilitation Advisory Board of the National Stroke Association, August 1999 to present
Ad Hoc Peer Reviewer for Neurorehabilitation and Neural Repair, 2001 to 2007
Rehabilitation Legislative Affairs Task Force of the National Stroke Association, 2001 to 2007
AAN/AAPM&R (American Academy of Neurology/ American Academy of Physical Medicine and Rehabilitation) Joint Task Force, 2001 to 2006
Board of Directors, American Society of Neurorehabilitation, 1996-2002
International Scientific Advisory Board Member for the Third World Congress of Neurological Rehabilitation, Venice Italy, April 2, 2002
Mid-term Grant Review for the Canadian Stroke Network, Expert Panel Member, Networks of Centres of Excellence/Réseaux de centres d'excellence, Ottawa, Canada, October 7-9, 2002
American Academy of Neurology's Annual Meeting Subcommittee, 2001-2003
American Academy of Neurology's Science Subcommittee 2001-2003
Board Member, The Marilyn Hilton MS Achievement Center at UCLA, beginning January 1, 2006
American Heart Association, Stroke Council's Leadership Committee, Member-at-Large, 2007 to present
National Stroke Association Professional Advisory Committee, 2007 to present
Chair, Rehabilitation, Prevention and Recovery Committee for the Stroke Council of the American Heart Association/American Stroke Association, 2007 to present
Editorial Board Member *Stroke*, July 1, 2008 to present
Section Editor, Brain Recovery and Rehabilitation, *Stroke*, July 1, 2008 to present

Centinela Freeman Regional Medical Center

Rehabilitation Committee, 1983 to 2004
Chairman, Outpatient Utilization Committee, DF Marina, 1985-1986
Medical Education Committee, 1987 to 1988
Chairman, Rehabilitation Committee, 1989 to 1991
Medical Executive Committee, 1989-90, and 1996-2006
Information Services Committee
Secretary-Treasurer, Medical Staff 1999-2000
Chief of Staff Elect 2001-2002
Chief of Staff, 2003-2004
Member, Board of Directors of Centinela Freeman Health System, 2005 to present

Other

Certifying Examination Committee for the American Society of Neurorehabilitation, 1991-2002

Expert panel member, Practice Guidelines for Stroke Rehabilitation, Center for Health Economics Research, Office of the Forum, the Agency for Health Care Policy and Research, 1991-to 1995

Member, Technical Expert Panel of the Harvard Resource-Based Relative Value Scale (RBRVS) for neurology, 1991

Commission on Accreditation of Rehabilitation Facilities (CARF), site surveyor, 1993 to 2001

Healthwise Medical Review Board, <www.healthwise.org>, Boise, Idaho, 1994 to present

Medical Policy and Technology Assessment Committee, Blue Cross of California and Wellpoint, 1996 to 2004

Expert Panel member, "Stroke Outcome Model" U.S. and United Kingdom Panel, MedTap International, Washington D.C. 1997

Medical Advisory Board, Stroke Association of Southern California, 1998 to 2005

UCLA Stroke Network Physician, 1999 to 2007

Scientific Merit Review Subcommittee for the Department of Veterans Affairs Rehabilitation Research and Development Service to evaluate proposals to establish Rehabilitation Research Centers, 2001

Quality Enhancement Research Initiative (QUERI), Development Panel: Stroke Guidelines, Department of Defense, Veteran's Administration, October 2001- June 2002.

Medical Policy and Technology Assessment Committee, Anthem, 2005 to present

Member, Board of Directors, American Society of NeuroRehabilitation (ASNR), June 16, 2008 to present

Invited Participant as Keynote Speaker, Chair or Faculty at Major National and International Conferences:

AAN Section of Neurorehabilitation, Guest Faculty, The Neurorehabilitation of the Stroke Patient, Burke Rehabilitation Institute, Cornell Medical Center, White Plains, New York, October 1-5, 1990

Co-Chair: Core Curriculum on Rehabilitation (A three Day Course), International Stroke Society Second World Congress of Stroke, Washington D.C, September 8-12, 1992

American Academy of Physical Medicine and Rehabilitation (AAPM&R) Botulinum toxin workshop, Anaheim, CA, October, 1994

University of Minnesota, Department of PM&R, CME Course on Treatment Options for Spasticity. Minneapolis, MN, April 21, 1995

Chair, Stroke Rehabilitation Symposium, at the 21st International Conference on Stroke and Cerebral Circulation, San Antonio, Texas, January 26, 1996

- Cerebrovascular Course #442, Faculty, "Stroke Rehabilitation: Three Take Home Lessons" and "Drug Therapy for Spasticity", American Academy of Neurology 48th Annual Meeting, March 30, 1996
- Keynote Speaker, Australasian Faculty of Rehabilitation Medicine, at the Annual Scientific Meeting of the Royal Australasian College of Physicians, "Longer Term Outcomes in Stroke", May 10, 1996, Canberra, Australia
- Keynote Speaker Singapore General Hospital's symposium "The Future of Neurorehabilitation" on September 1, 1996, Singapore
- Chair, American Academy of Neurology Annual Meeting Course entitled "Evidence-Based Medicine: AHCPDR Guideline Development", April 18, 1997, Boston Massachusetts
- Co-Chair, World Congress of Neurorehabilitation Symposium entitled "Pharmacologic Enhancement of Recovery" April 15, 1999, Toronto, Canada
- "Cardiopulmonary Complications in Neurological Rehabilitation", for the annual neurorehabilitation course at the American Academy of Neurology, Toronto, Canada, April 18, 1999
- Chair, American Academy of Neurology Section of Neurorehabilitation and American Society of Neurorehabilitation's annual educational program: "Stroke Rehabilitation: Evidence-Based and Practical Management" held at Daniel Freeman Rehabilitation Center and UCLA Medical Center, Los Angeles, CA, October 21-24, 1999.
- 25th International Conference on Stroke and Cerebral Circulation, American Heart Association, Co-Chair: "Socioeconomic Aspects of Stroke Rehabilitation", February 11, 2000, and Co-Chair of Platform Session: "Recovery", February 12, 2000.
- Chair, American Academy of Neurology Annual Meeting Course entitled "Neurorehabilitation: Expanding the Scope of Practice", San Diego, California, April 29, 2000.
- Co-Chair, American Academy of Neurology: "Spasticity Management: Workshop Demonstrating the Use of Botulinum Toxin", Los Angeles, California, February 10, 2001
- Veteran's Administration Rehabilitation Research and Development Scientific Merit Review Subcommittee for Rehabilitation Research Centers, Washington D. C., April 23-4, 2001
- Chair, American Academy of Neurology Annual Meeting Course entitled "Neurorehabilitation: Expanding the Scope of Practice", Philadelphia, Pennsylvania, May 6, 2001
- Keynote Speaker, Neurorehabilitation Symposium, Bryn Mawr Rehabilitation Hospital, Bryn Mawr, Pennsylvania, May 7, 2001
- National Peer Review Study Group Member, American Heart Association, Dallas, Texas, October 22-3, 2001
- Co-Chair: 27th International Conference on Stroke and Cerebral Circulation, American Stroke Association, "Recovery", San Antonio, Texas, February 8, 2002

Chair, American Academy of Neurology Annual Meeting Course entitled "Neurorehabilitation: Brain Recovery and Reorganization through Therapy", Course 4PC.003 Denver Colorado April 16, 2002

Chair, Course on Prospective Payment System in Rehabilitation, at the American Society of Neurorehabilitation/American Congress of Rehabilitation Medicine Joint Conference, Philadelphia, Pennsylvania, October 4, 2002

Chair, American Academy of Neurology Annual Meeting Course entitled "Neurorehabilitation: Brain Recovery and Reorganization through Therapy", Honolulu, Hawaii, April 2, 2003

Panel member, "Bridging the Gap between Acute Treatment and Acute Rehabilitation: the Sub-Acute Phase", for the National Stroke Association Southwest Team Meeting, Las Vegas, Nevada, September 8, 2006

Teaching

UCLA Medical Students on the Neurological Examination, 1984 to 1994

UCLA Voluntary Faculty Attending, General Neurology Clinic, 1984-2002

UCLA PGY-2 Medical Resident Neurology Teaching, 1983-1988

Coordinator for Neurorehabilitation Teaching at Daniel Freeman, UCLA Neurorehabilitation Fellowship, (Roi-Ann Wallis M.D., Joseph P. Vickroy M.D., Arun Taly M.D., Seymour Young M.D.) 1989-1994

UCLA Neurology Outpatient Conference: "Aspects of Neurorehabilitation: Pressure Ulcers", Jan 19, 1994

UCLA Neurology Residents, Neurorehabilitation Rotation, 1992-1995

Fundamentals of Clinical Medicine (2nd year UCLA Medical School Course), 1995-2000.

USC (University of Southern California) 2nd year Medical Students: Clinical Neurology Preceptorship, 1996 to 2002

UCLA Intensive Course in Geriatric Medicine and Pharmacy and Board Review: Clinical Case Reviews: Neurology, Marina del Rey, California. September 15, 2001

UCLA Resident Continuity Clinic Teaching Staff, Department of Neurology, 2002-present

Residency Training Program Director for physical medicine and rehabilitation residency training at Centinela Freeman for the UCLA/Veteran's Administration of Greater Los Angeles Health System Physical Medicine and Rehabilitation Residency, 2005 to 2007

Publications

Alexander DN, Ederer GM, Matsen JM, "Evaluation of an Adenosine 5'-Triphosphate Assay as a Screening Method to Detect Significant Bacteriuria" J. of Clinical Microbiology, pp.42-46, January 1976

Alexander DN, "Medical Plaza: Showcase Not Showdown" UCLA Physician Forum, Vol. 1 #6, July 1990

- Alexander DN, "Neurorehabilitation: Long-term Commitment, Neuroscience Emphasized" Rehab Management, pp. 27-35, Dec/Jan. 1991
- Alexander DN "Neuroimaging of Complications of Closed Head Injury" Journal of Neuroimaging, Volume 2, No 1, p. 60, January 1992
- Alexander DN, "Cognition and Depression as Factors in Recovery" In: Good, DC, Couch JR (eds)The Handbook of Neurorehabilitation, pp. 129-152 Marcel Dekker, New York, 1994
- Koller WC, Busenbark K, Miner K, the Essential Tremor Study Group (Alexander DN) "The relationship of essential tremor to other movement disorders: Report on 678 patients" Annals of Neurology, Vol. 35 (6), pp. 717-23, June 1994
- Shnider A, Benson DF, Alexander DN, and Shnider-Klaus A "Non-verbal environmental sound recognition after unilateral hemispheric stroke." Brain, 117(Pt 2), 281-7, 1994
- O'Brien CF, Simpson DM, Alexander DN, Tagliati M, Aswad AS, Gibson J, and Monaghan EP, "A Randomized, Double-Blind, Placebo-Controlled Study to Evaluate Botulinum Toxin Type A in the Treatment of Spasticity" Neurology, Volume 45, Number 4 (Supplement 4), page A329, April, 1995
- Gresham GE, Duncan PW, Stason WB, Adams HP, Adelman AM, Alexander DN, Bishop DS, Diller L, Donaldson NE, Granger CV, et al. Post-Stroke Rehabilitation. Guideline Report , Number 16. AHCPR Pub. No. 95-0662. Rockville, MD: Agency for Health Care Policy and Research, Public Health Service, U.S. Department of Health and Human Services. May 1995.
- Gresham GE, Duncan PW, Stason WB, Adams HP, Adelman AM, Alexander DN, Bishop DS, et al. Post Stroke Rehabilitation: Assessment, Referral, and Patient Management, Quick Reference Guide for Clinicians, No. 16. Rockville, MD: U.S. Department of Health and Human Services, Agency for Health Care Policy and Research. AHCPR Pub. No. 95-0663. May 1995
- Post-Stroke Rehabilitation Guideline Panel (DN Alexander). Recovering After a Stroke, Patient and Family Guide, No. 16, Rockville MD: U.S. Dept of HHS, AHCPR Pub. No. 95-0664. May 1995
- Alexander DN "Neurorehabilitation" In: Sage, J.I., Mark, M.H. (eds.) Practical Neurology of the Elderly, pp. 1089-1134, Chapter #24, Marcel Dekker, New York, NY, 1996
- Simpson DM, Alexander DN, O'Brien CF, Tagliati M, Aswad AS, Leon JM, Gibson J, Mordaunt JM, and Monaghan EP, "Botulinum toxin type A in the treatment of spasticity: A randomized, double-blind, placebo-controlled trial" Neurology, Volume 46, No. 5, pp 1306-1310, May 1996
- Alexander DN, "Fact Sheet on Fatigue - Relevancy to Stroke", NSA publication, 1996.
- Alexander DN "Approaches to Rehabilitation of Ischemic Stroke", The American Journal of Medicine Continuing Education Series, pp16-21, December 1996.

- A Guide to Understanding Stroke; Alexander DN, Brott T, Cote R, Good D, Mandelbaum D, McDowell F; publisher: Tim Peters and Company, Inc., Gladstone NJ 1996
- Laouri M, Johnston MV, Alexander DN, Bergstrom N, Duncan PW, Lawthers A, Nielsen D, Silverstein B, Stason W “Can Clinical Practice Guidelines Increase the Cost-Effectiveness of Geriatric Rehabilitation?” *Medical Care*, Volume 35, Number 6, ppJS84-89, *Supplement*, June 1997
- Schnider A, Hanlon RE, Alexander DN, Benson DF, “Ideomotor apraxia: behavioral dimensions and neuroanatomical basis”, *Brain Lang* 1997 Jun 1;58(1):125-136
- Miller, D and Alexander DN: “Tissue Plasminogen Activator (t-PA) for Acute Ischemic Stroke. National Guideline Clearinghouse at <http://www.guideline.gov> , Released and posted: June 1997-June 2002
- Gresham, GE, Alexander, D, Bishop, DS, Giuliani, C, Goldberg, D, Holland, A, Kelly-Hayes, M, Linn, RT, Roth, EJ, Stason, WB, and Trombly, CA “American Heart Association Prevention Conference IV: Prevention and Rehabilitation of Stroke”, *Stroke*, Volume 28, Number 7, pages 1522-26, July, 1997
- Brin, M, and the Spasticity Study Group (Alexander, DN) “Dosing, Administration, and a Treatment Algorithm for Use of Botulinum Toxin Type A for Adult-Onset Spasticity”, *Muscle & Nerve*, Volume 20 (Supplement 6), pp208-220, 1997
- Alexander DN “Geriatric Neurorehabilitation” in Neurology Clinics of North America, *The Neurology of Aging*, Volume 16 Number 3, pp 713-732, August, 1998
- Miller, D and Alexander DN: “Tissue Plasminogen Activator (t-PA) for Acute Ischemic Stroke” an updated guideline, to be published by the National Guideline Clearinghouse at <http://www.guideline.gov> , Accepted by the Agency for Healthcare Research and Quality (AHRQ) on March 12, 2003
- David N. Alexander MD, Steven Cen MS, Katherine J. Sullivan PhD, Gitu Bhavnani MA, Xiuling Ma PhD, Stanley P. Azen PhD for the ASAP Study Group: “Effects of Acupuncture Treatment on Post-stroke Motor Recovery and Physical Function: A Pilot Study”. *Neurorehabilitation and Neural Repair*, December 2004
- David Alexander, “Rehabilitation in MS”, in the MS Newsletter: Volume #3, Highlights from the 2004 Consortium of MS Centers Multiple Sclerosis Preceptorship Programs, published by Sero Symposia International, 2004
- A Guide to Understanding Stroke; Alexander DN, McAuliffe, G, Brott T, Good D, publisher: Tim Peters and Company, Inc., Peapack NJ, 2007
- Alexander, DN. “Paraplegia caused by invasive spinal aspergillosis” *Neurology*, 69(2), 222-3; 2007
- Invited Chapter entitled: “Late Neurological Complications After Stroke” by Alexander DN, Editors Stein, Zorowitz, Winstein, Macko: *Stroke Recovery and Rehabilitation*, Demos, in progress, 2008

Invited Chapter entitled: "Neurologic Rehabilitation" by Alexander DN, & Lennihan, L, for Merritt's Textbook of Neurology, 12th Edition, submitted, 2008

Co-Chair, Writing Committee for Veteran's Administration/Department of Defense Clinical Practice Guideline for Stroke, Update, in progress, 2008

Abstracts and Presentations

- "TIA in the Elderly", Postgraduate Institute on Geriatrics, California Medical Association, Lake Tahoe, June 1984
- "Spinal Epidural Lipomatosis", Thirteenth Annual Meeting of the American Society of Neuroimaging, February, 1990, San Diego, CA.
- "Images of Traumatic Brain Injury", American Academy of Neurology's course on The Neurological Rehabilitation of Traumatic Brain Injury Patients, Inglewood, CA., October 1991.
- "The Rehabilitation of Patients Following Stroke", National Stroke Association Seminar on Stroke Prevention and Management, Palm Springs, CA, April 16, 1994.
- "The Use of Botulinum Toxin in the Management of Muscle Spasticity", American Academy of Physical Medicine and Rehabilitation (PMR) Annual Meeting, Anaheim, CA, October 12, 1994
- "Medication Prescription in an Acute Spinal Cord Injury Rehabilitation Unit, a Retrospective Analysis of 100 Consecutive Admissions", DN Alexander, data presented at the Kaiser Permanente Annual CME for Physical Medicine and Rehabilitation, March 15, 1996
- "Spasticity in Stroke" presented May 10, 1996, at the Royal Australasian College of Physicians Annual Scientific Meeting, National Convention Centre, Canberra Australia
- "Group Process: Problems and Pitfalls", presented at American Academy of Neurology, April, 1997, Boston, Massachusetts
- "Stroke Outcome Model", Drs. Sacco, Diener, Alexander, Mast, Chambers, Hutton, Koch. London, England, June 25 1997
- "Stroke Rehabilitation: Surprisingly Effective Treatment" presented at the American Academy of Neurology, April 29, 2000, San Diego, California
- "Complementary and Alternative Medicine in Rehabilitation", presented at the American Academy of Neurology Section of Neurorehabilitation and American Society of Neurorehabilitation's annual educational program: "Neurorehabilitation: Leading Clinical and Business Management" held at the University of Rochester, Unity Medical Center, NY, October 7, 2000
- "Spasticity in the Lower Extremity: Muscle Identification for Injection" presented at the AAN Spasticity Management Workshop, Los Angeles, California, February 11, 2001.
- "Spasticity Management of the Post Stroke Patient: New Advances in Therapy" on CD-ROM from the National Stroke Association, released February, 2002.

- Alexander DN, and M Stineman: "Prospective Payment in Rehabilitation", ASNR/ACRM Joint Conference, October 4, 2002
- "The Western States Stroke Consortium PFO Registry"; Western States Stroke Consortium, (DN Alexander, participant), poster, CTP7 February, 2004
- "The Western States Stroke Consortium Intra-Arterial Thrombolysis Registry"; Western States Stroke Consortium (DN Alexander, participant), poster CTP4, February, 2004
- Alexander, DN, "Movement Update: What Works, What's Coming", for the National Stroke Association Team Meeting, Las Vegas, Nevada, September 8, 2006
- "Locomotor Experience Applied Post-Stroke (LEAPS) Trial: A Randomized Controlled Trial" presented at the American Neurological Association meeting in Salt Lake City, Utah, September 22, 2008

Research

- Honors thesis at Amherst College: "Studies in Amphibian Visual Physiology: Visual Responses in the Salamander (*Plethodon glutinosus*) & The Phenomenon of Habituation in the Frog (*Rana pipiens*)" Advisor Dr. Stephen A. George: May 5, 1975
- Neuro-Immunology at the University of Minnesota : "Suppressor T-cells in Multiple Sclerosis", advisor: Dr. Gary Birnbaum, 1978
- Rehabilitation Research "Think Tank", sponsored by Duke University Center for Health Policy and Research and Education and the American Physical Therapy Association, Washington D.C. Jan 29-30, 1994
- Principal Investigator (D. N. Alexander), A Double-Blind, Randomized Controlled Multi-center Trial to Evaluate Botulinum Toxin type A in the Treatment of Upper Limb Spasticity in Acute Post Stroke Patients. Study #134, 1995
- Co-Investigator, A Double-Blind, Placebo-Controlled, Safety, Efficacy and Dose Response Trial of Two Intravenous Doses of BMS-204352 in Patients with Acute Stroke, 1997-8
- Principal Investigator, Study of Nefiracetam and Placebo in Post Stroke Depression (SNAPTOP), 1999 to 2002
- Principal Investigator, Study of Acupuncture in Stroke Rehabilitation, with USC and Emporer's College, 2000-2002
- Co-Investigator, Extremity Constraint-Induced Therapy Evaluation (EXCITE) (HD37606-01), 2001 to 2006
- External Data Safety Monitor for NIH grant Brain and Behavior Correlates of Arm Rehabilitation (BCAR), USC, 2002 to 2007
- Data Safety Monitoring Board member, for POWER: Prevention of Worsening and Early Recurrence (POWER) Stroke Trial Protocol, 2003 to 2006
- Site Principal Investigator, Locomotor Enhanced Activity Post-Stroke (LEAPS) sponsored by the NIH (National Institute of Neurological Disease and Stroke and the National Center for Medical Rehabilitation Research) 2005-present

Data Safety Monitoring Board member, for "Mental Practice and Recovery in Spinal Cord Injury", University of Cincinnati, submitted to NIH, 2008

Grants (as Principal Investigator)

Allergan Inc, for Botulinum Toxin Study #133, 1994, 1997

Private Philanthropists: Lucy Gonda Foundation for Integrative Medicine, \$40,000 for Acupuncture in Stroke Rehabilitation Research, March 15, 2000

Locomotor Enhanced Activity Post-Stroke (LEAPS), National Institute of Health (NIH) grant, Prime Award No.R01 NS050506, Sub-award No. UF05123. \$13,500,000, 2004-2009

Lectures

- To the **Mount St. Mary's School of Physical Therapy** "Guillian-Barre Syndrome"1985
- To the **White Memorial Hospital** Medical Staff and Rehabilitation Department, "Head Injury" November, 1985
- For the **University of Southern California** Medical Lecture series, on Head Injury, January 6, 1986
- To the **Mount St. Mary's School of Physical Therapy** "Neurological Disorders" April 1986
- To the **Torrance Unified School District**, Jefferson Adult Center, "Alzheimer's Disease" March 1987
- To the **Department of Medicine, UCLA Medical Center** and UCLA School of Medicine, "Parkinson's Disease", October 1987
- To the **Redondo Beach Parkinson's Support Group**, "Parkinson's Disease" February 1988
- "Stroke: Expanding Your Horizons" Torrance Unified School District, **Jefferson Adult Center**, 1988
- Grand Rounds, **High Desert Hospital Rehabilitation Department**, Lancaster, CA "Progressive Supranuclear Palsy and It's Rehabilitation" May 1989
- "Brain and Behavior" Invited speaker to **UCLA Extension Course #EPOF79IIB** on Being Human, Fall Quarter, October 17, 1989
- "Guillain Barre and Its Rehabilitation" **Meadowbrook Rehabilitation Center**, Medical Grand Rounds, November 1989
- **UCLA Neurology Outpatient Conference**, "Neuro-imaging of Traumatic Brain Injury", March 18, 1992
- To the Medical Staff, **Kaiser Permanente Hospital, Bellflower, CA**, "Depression in Stroke Rehabilitation" September 1993
- To the Medical Staff, **Desert Hospital, Palm Springs, CA**, "Muscle Weakness" October 21, 1993
- "Traumatic Brain Injury: a Medical and Legal Epidemic", Inglewood, CA, January 8, 1994
- **UCLA Neurology Outpatient Conference**, "Neuro-rehabilitation, Pressure Ulcers", January 19, 1994
- To the Medical Staff, **Gardena Memorial Hospital**, Gardena, CA. "Stroke Rehabilitation", September 19, 1994
- "Botulinum Treatment of Spasticity" to the **American Academy of Physical Medicine and Rehabilitation**, October 12, 1994
- To the Medical Staff of **South Bay Hospital**, "Stroke Rehabilitation", Redondo Beach, California, October 25, 1994
- "Neurological Rehabilitation: Assessment, Expectations, and Outcomes" to the **State of California Disability Evaluation Unit**, Los Angeles, November 9, 1994.
- "Stroke and Rehabilitation" at the **South Bay Hospital**, Redondo Beach, November 17, 1994
- "Practice Guidelines" to the **Chino Valley Medical Center**, Chino California, December 15, 1994.
- "Traumatic Brain Injury and It's Rehabilitation. **Daniel Freeman Marina** Medical Staff, February 10, 1995.
- "Depression and Cognition as Factors in Neurological Recovery", **West Hills Regional Medical Center**, West Hills, CA, March 31, 1995
- "Stroke and Stroke Rehabilitation", to the Health Committee at the **University of Minnesota**, April 20, 1995
- "Cost, Outcome, and Treatment of Stroke and TIA" to the Medical Staff, **Mulliken Medical Center**, Pioneer Hospital, Artesia, CA, May 25, 1995
- "Neurological Rehabilitation", to the **Department of Health Service, Los Angeles County**, Los Angeles, May 31, 1995

- "Traumatic Brain Injury", Trauma Care Conference, **St. Francis Medical Center**, Lynwood, CA, July 26, 1995
- "Botulinum Toxin: Clinical Overview and the Treatment of Spasticity", to the Southern California Chapter of the **Case Management Society of America**, Long Beach, CA, August 17, 1995
- "Traumatic Brain Injury and TBI Rehabilitation", to the medical staff of **Kaiser Permanente, Bellflower**, CA, August 23, 1995
- "Neurological Rehabilitation", to the **Department of Health Services, Los Angeles**, CA, August 31, 1995
- "Traumatic Brain Injury Rehabilitation", to the medical staff of **Encino-Tarzana Medical Center**, October 10, 1995
- **Keynote Speaker** for the **Desert Valley Hospital** Annual Medical Staff Meeting, "Improving Patient Outcome through Clinical Practice Guidelines", November 21, 1995, Victorville, CA
- "AHCP Clinical Practice Guidelines" for the **Daniel Freeman** Medical Staff Rehabilitation Series, November 20, 1995
- "Spinal Cord Injury Rehabilitation Update" to the 1996 Regional Physical Medicine CME Meeting of the **Kaiser Permanente Department of PM &R**, Pasadena, CA, March 15, 1996
- "Traumatic Brain Injury" to the Medical Staff of **St. Francis Medical Center**, Lynwood, CA, June 26, 1996
- "Neurological Rehabilitation" to the Medical Staff at **Kaiser Permanente - Sunset**, Los Angeles, CA, July 3, 1996
- "Neurological Disorders and their Rehabilitation" to the Medical Staff at **Pacifica Hospital of the Valley**, Sun Valley, CA, September 13, 1996
- "Neurological Rehabilitation" to the Medical Staff of **Monterey Park Hospital**, Monterey Park, CA, November 12, 1996
- "Trauma Care Conference: Neurological Rehabilitation" to the Medical Staff of **St. Francis Medical Center**, Lynwood, CA, January 22, 1997
- "Brain Trauma" to the Medical Staff of **Providence Holy Cross Hospital**, Mission Hills, CA, May 13, 1997
- "Rehabilitation of the Stroke Patient", at the **National Stroke Association** Conference on Prevention and Treatment of Stroke, Boise, Idaho, October 31, 1997
- "Guillain-Barre Syndrome, Rehabilitation Update" for the Regional Physical Medicine CME Meeting, **Kaiser Permanente** of Southern California, March 6, 1998
- "Stroke Prevention and Rehabilitation" to the University of California at Irvine Family Practice residents and medical staff, **Western Medical Center**, Santa Ana, CA, October 2, 1998
- Grand Rounds to the Department of Neurology, **Medical College of Wisconsin**, "Stroke Rehabilitation", Milwaukee, WI, November 6, 1998
- "Stroke Rehabilitation" for the medical staff of the **West Hills Regional Medical Center**, West Hills, CA, March 5, 1999
- "Deep Vein Thrombosis and Pulmonary Embolism in Rehabilitation", to the medical staff at **Daniel Freeman Marina Hospital**, May 14, 1999
- "Neurological Rehabilitation" for the primary care department at **Santa Monica/UCLA Medical Center**, Santa Monica, CA, May 27, 1999
- "Neurological Rehabilitation: Quality and Accreditation" to the medical staffs of Gruppo Tosinvest Sanita, at the **Casa di Cura San Raffaele, Rome, Italy**, September 29 & 30, 1999
- "Stroke Rehabilitation", **Rancho Los Amigos National Rehabilitation Center**, Downey, CA, January 13, 2000
- "Stroke Rehabilitation and Animal Facilitated Therapy", **Alvarado Hospital and San Diego Rehabilitation Institute**, San Diego, CA, April 25, 2000
- "Spasticity in Neurological Rehabilitation" **Kaiser Permanente-Sunset**, Los Angeles, CA, May 18, 2000
- "Stroke Treatment" **Fallbrook Hospital**, Fallbrook, CA, May 18, 2000
- "Stroke Treatment and Rehabilitation" **Long Beach Neurology Society**, Long Beach, CA, June 1, 2000
- "Vascular Disease and Stroke: New Therapies" **Cedars-Sinai Medical Center**, Department of Neurology Grand Rounds, Los Angeles, CA, June 9, 2000
- "Stroke Update: Treatment and Prevention" **Valley Presbyterian Hospital**, Van Nuys, CA, July 31, 2000
- "Spasticity in Rehabilitation" **Scripps Memorial Medical Center**, Encinitas, CA, October 26, 2000
- "Neurological Clinical Case Presentation" **University of California, Los Angeles**, Board Review Course, September 15, 2001

- “Spasticity in Neurological Recovery: Basis for Treatment”, to the San Diego Neurological Society, **University of California, San Diego**, October 18, 2001
- “Stroke Care” to **Prairie Medical Group**, Santa Monica, California, November 14, 2001
- “Evaluation and Treatment of Spasticity”, Noon Lecture Series, Department of Physical Medicine and rehabilitation/ Pain Management Clinic, **Veteran’s Administration Hospital of Greater Los Angeles**, West Los Angeles, November 15, 2001
- “Neurological Injuries and Rehabilitation” to the Insurance Education Advisory Association, Los Angeles, February 27, 2002
- “Spasticity Treatment” to the Departments of Neurology and Physical Medicine and Rehabilitation, at **Kaiser Baldwin Park**, April, 2002
- Noon Out patient Conference on “Spasticity Treatment Post-Stroke”, in Oldendorf Conference Room, Reed Neurological Center for **Department of Neurology, University of California, Los Angeles**, February 2002
- “Stroke Rehabilitation” to the Department of Neurology, at **Harbor UCLA (University of California, Los Angeles)**, October, 2002
- “Stroke Rehabilitation” to the medical staff of **Cedars-Sinai Medical Center**, Los Angeles, November 7, 2002
- “Stroke Rehabilitation” to the medical staff of **Martin Luther King Medical Center/Drew University**, Los Angeles, CA, September, 2003
- “Noon Out patient Conference on “Stiff Man Syndrome” with Dr. Lola Morgan, in Oldendorf Conference Room, Reed Neurological Center for the **Department of Neurology, University of California, Los Angeles**, October 1, 2003
- Conference on Traumatic Brain Injury “Imaging in TBI”, a regional conference presented at The Rehabilitation Centers at Daniel Freeman Memorial Hospital, Inglewood, CA, November 13, 2003
- Integrating Wellness into MS Management: Rehabilitation in MS, at a Symposium by the **Department of Neurology, University of California, Los Angeles**, Riviera Country Club, Pacific Palisades, March 6, 2004
- “Treatment of Stroke” to the medical staff of **King-Drew Medical Center/ Charles R. Drew University of Medicine and Science**, Los Angeles, CA, October 14, 2004
- “Rehabilitation of Multiple Sclerosis” to the **Consortium of MS Centers**, Los Angeles, CA, October 30, 2004
- “Cognitive Dysfunction: Assessment and Implications for Rehabilitation” to the **Kaiser Permanente Physical Medicine & Rehabilitation Regional CME Meeting**, Pasadena, California, December 10, 2004
- “Spinal Disorder” to the **Torrance Memorial Medical Staff**, Torrance, California, March 16, 2005
- Neurology Summer Stock Conference “Neck Pain, Back Pain and Radiculopathy”, in Oldendorf Conference Room, Reed Neurological Center for the **Department of Neurology, University of California, Los Angeles**, August 31, 2005
- Neurology Summer Stock Conference “Neck Pain & Back Pain: Myelopathy and Radiculopathy”, in Oldendorf Conference Room, Reed Neurological Center for the **Department of Neurology, University of California, Los Angeles**, August 2, 2006
- “Explaining Stroke: Understanding The Physical Changes In Your Brain”, at **National Stroke Association** sponsored symposium: HOPE after Stroke Survivor and Caregiver Symposium, September 6, 2006, Las Vegas Nevada
- “Stroke Recovery” to the medical staff of **Centinel Hospital**, January 16, 2007
- Neurology Resident Teaching “Neck Pain & Back Pain: Myelopathy and Radiculopathy”, in Oldendorf Conference Room, Reed Neurological Center for the **Department of Neurology, University of California, Los Angeles**, July 25, 2007
- “Stroke Rehabilitation”, to the medical staff of the **Good Samaritan Hospital**, Los Angeles, CA, July, 2008
- “Rehabilitation Neurology: Getting Better All the Time”, Noon Out-patient Conference, Oldendorf Conference Room, Reed Neurological Research Center, **University of California, Los Angeles**, October 8, 2008

Other:

"Alzheimer's Disease" on Health Matters, KHJ Channel 9 in Los Angeles on November 20, 1988

"Alzheimer's Disease" on Health Matters, February 26, 1989

- "The Impact of Stroke" Guest Appearance, Art Ilene M. D., moderator, ABC News Channel 7, January 31, Feb. 1, Feb. 2, 1990
- "Psychology: The Study of Human Behavior" KOCE Channel 50, KCET Channel 28, Psychology Telecourse, Coastline Community College, Huntington Beach, CA., March 27, 1990
- "Stroke Rehabilitation: Personal Training" ABC News, Los Angeles, CA., N.I.W.S. (National Information World Service), October 15, 1990
- KABC Health Information Line "Stroke Rehabilitation" Los Angeles, 1992
- "Stroke: Cause and Cure" American Jewish T.V. Hour, American Israel Television Broadcasting Co., December 9, 1993
- "Post Stroke Rehabilitation: Clinical Practice Guidelines", Radio Interviews: United Press International (UPI), National Public Radio (NPR), David Barron Science Editor, KNX 1070 news radio Los Angeles, Boise, Idaho. Newspaper: American Hospital Association Newspaper, American Media News press, Daily Breeze, May 24, 1995
- Provision of stroke rehabilitation to HRH Princess Al-Aloud Bent Abdul-Aziz Abdurrahman Al-Saud, Riyadh, Saudi Arabia, February-May, 1998
- Redbook Magazine, Article entitled "How She Saved Her Own Life" on a patient's stroke rehabilitation treatment, October, 1998
- AmericasDoctor.com, "Stroke and Stroke Rehabilitation" Internet Interview, March 3, 2000
- CBS Health Watch, Interview by Bob Kirsch posted at CBSHealthWatch.medscape.com, on Stroke, April 24, 2000
- National Public Radio (NPR), guest on Sunday Rounds with John Stupak regarding "Stroke Awareness", 160 stations nationally, locally KCLU and KCRX, May 14, 2000
- Filming for Good Morning America on acupuncture research project, August 2000.
- Discovery: Health Channel, "Lifeline: Cutting Edge" Video report on Stroke Rehabilitation Research aired January 21, 23, 27 and February 11, 13, 17 2001
- Healthology.com Video Webcast: "Stroke Recovery: The Basics of Physical Rehabilitation", "Stroke Recovery: Immobilization Therapy", "Stroke Recovery: Treating Communication Disorders", and "Caregiver Involvement in Post-Stroke Care" with Dr. David Marks and Dr. Richard Zorowitz, accessible at multiple sites including healthology.com and www.stroke-tia.org
- Commencement Address, Emperor's College of Acupuncture Medicine Graduation Ceremony, Santa Monica, California, 2001
- KNBC (Channel 4) News, Interview on Stroke in Women, Stroke Awareness Month, 4pm, May 3, 2001
- Inglewood Today Volume 10, Issue #4, page 40, "Taking a Defensive Stance Against Stroke" by David Alexander, April 2002
- Stroke Smart (NSA publication), "Alternative Medicine: Exploring Acupuncture for Stroke Treatment", March/April 2002, pages 27-28

2003 Emerging Science in the Diagnosis and Treatment of Stroke: A Live Interactive Satellite Broadcast Conference, sponsored by the American Stroke Association, Chicago, March 26, 2003

KDOC *Southland Today*, video taping, Orange County. April 8, 2003, KCAL (Channel 9) News, Interview on Special Olympics and New Pathways, June 10, 2005.

KFI-AM Radio 640, Robotic Therapies for Upper Extremity Physical Therapy and Rehabilitation, July 2007

KFI-AM 640, interview with Donald Morrison regarding sleep, insulin resistance, mammograms and stroke risk factors, Los Angeles, recorded March 6, 2008, broadcast Sunday, March 9 at 7, 8, & 9 a.m. and 2, 4, 6 and 7:30pm.

Pod Cast on Stroke and Stroke Rehabilitation, recorded July 17, 2008, for posting on icyou.com, goodsamaritan.org, youtube.com, & iTunes.