

CURRICULUM VITAE

Rodger J. Elble, MD, PhD

May 13, 2020

PERSONAL DATA:

Office Address: Southern Illinois University School of Medicine
P.O. Box 19645
Springfield, IL 62794-9645

Office Telephone: (217) 545-7194

Fax: (217) 545-1903

E-mail: relble@siumed.edu

Date of Birth: August 10, 1948



EDUCATION:

1966	East-Alton-Wood River Community High School Wood River, Illinois	
1966-1971	Co-operative engineering program. Purdue University and the McDonnell-Douglas Corp.	
1971	Purdue University W. Lafayette, Indiana B.S. Aeronautical Engineering	BSAE
1975	Indiana University Bloomington, Indiana Ph.D. Physiology (minor in biochemistry) Thesis: Contribution of Motor Unit Statistics to Physiological Tremor Major Professor: James E. Randall, Ph.D.	PhD
1977	Indiana University School of Medicine Indianapolis, Indiana	MD

POSTGRADUATE EDUCATION:

- July 1977 - June 1978 Indiana University School of Medicine, Indianapolis, IN
Internship, Internal Medicine
- July 1978 - June 1981 Washington University School of Medicine, Barnes Hospital
Complex, St. Louis, MO.
Neurology residency and postdoctoral neuroscience training with
W. T. Thach, MD. Topic: Role of cerebellum and stretch reflex
in action tremor
- June 1987 Biomechanics of Human Movement.
Special summer course at Massachusetts Institute of Technology,
Laboratory of Prof. Robert W. Mann.
- May 15 – Aug 30, 2010 Research sabbatical, Department of Neurology, Prof. Günther
Deuschl, Chair, Christian-Albrechts University, Kiel Germany.

LICENSE: Illinois State Board of Medical Examiners
July, 1981-present

BOARD CERTIFIED: American Board of Psychiatry and Neurology
November 1982

HONORS AND AWARDS:

Phi Eta Sigma
Sigma Gamma Tau
Tau Beta Pi
Phi Kappa Phi
Alpha Omega Alpha
Fellow, American Academy of Neurology (1990)

Best Doctors in America (1996-present)
Castle Connolly Top Doctor (2015-present)
America's Top Physicians, Consumers' Research Council of
America (2006-present)

Associate, Behavioral and Brain Sciences (1991)
IBC Leading Scientists of the World (2008)
Who's Who Among Students in American Colleges and
Universities (1977)
Who's Who in Frontiers of Science and Technology (1985)
Who's Who in the Midwest (1988)
Who's Who of Emerging Leaders in America (1990)
Who's Who in Medicine and Healthcare (1996)
Who's Who in America (2002)

Pfizer Visiting Professor of Neurology, U. of Arkansas, 2007
 Visiting Professor, Oregon Health Science University, 2010
 Visiting Professor, University of Saskatchewan, 2013

Best full-time faculty teacher of the year award, Department of
 Medicine, 1985-86

Outstanding Scholar at SIU School of Medicine, 2014

Outstanding Teaching Award, Dept. Neurology, SIUSM, 2016

Hall of Fame, East Alton-Wood River High School, 2017

MEMBERSHIPS:

American Academy of Neurology
 Association of University Professors of Neurology
 Central Society for Neurological Research
 Movement Disorder Society
 Society for Neuroscience
 Tremor Research Group
 Parkinson Study Group
 Neuroprotection Exploratory Trials in Parkinson Disease
 (National Institute of Neurological Disorders and Stroke)

POSITIONS HELD:

June 1966 to June 1971	Student, Cooperative Engineering Program, McDonnell-Douglas Corp. and Purdue U.
Aug. 1971 to Aug. 1974	National Institutes of Health Physiology Training Grant Indiana University, Bloomington, IN
Aug. 1973 to June 1975	Teaching Assistant, Department of Anatomy and Physiology, Indiana University, Bloomington, IN
July 1977 to July 1978	Intern, Department of Internal Medicine, School of Medicine, Indiana University, Indianapolis, IN
July 1978 to July 1981	Resident, Department of Neurology Washington University School of Medicine, Barnes Hospital, St. Louis, MO
July 1981 to July 1987	Assistant Professor of Neurology Southern Illinois University School of Medicine, Springfield, IL

July 1987 to March 1996	Associate Professor of Neurology Southern Illinois University School of Medicine, Springfield, IL
Nov. 1988 to March 1996	Associate Professor of Psychiatry Southern Illinois University School of Medicine, Springfield, IL
Nov. 1988 to Sept. 2007	Director Center for Alzheimer Disease and Related Disorders, Southern Illinois University School of Medicine, Springfield, IL
Sept. 1992 to Feb. 1993	Acting Chief Division of Neurology, Department of Medicine Southern Illinois University School of Medicine, Springfield, IL
July 1993 to 2004	Director Neurology senior student electives
Feb. 1993 to May 1996	Interim Chair Department of Neurology Southern Illinois University School of Medicine, Springfield, IL
Oct. 1993 to 1997	Member, Neurology Study Section A National Institute of Neurological Disorders and Stroke Bethesda, Maryland
July 1994 to 2000	Director, Student Neurology Clerkship Department of Neurology Southern Illinois University School of Medicine Springfield, IL
March 1996 to June 2014	Professor of Neurology Southern Illinois University School of Medicine
March 1996 to June 2014	Professor of Psychiatry Southern Illinois University School of Medicine
May 1996 to Nov. 2012	Chair of Neurology Southern Illinois University School of Medicine
July 1998 to June 2014	Director, Neurology Residency Program

Department of Neurology, Southern Illinois U. School of
Medicine

July 1999 to Feb. 2001 Director, National Parkinson Foundation Center of Excellence
March 1, 2004 – July 2005 Southern Illinois University School of Medicine

Dec. 2007 – January 2010 Medical Director, Stroke Center, St. John’s Hospital

Nov. 2011 – July 2013 Neurology Clerkship Director, SIU School of Medicine

March 2004 – July 2019 Director, Parkinson Disease and Movement Disorders Center,
SIU School of Medicine

UNIVERSITY COMMITTEES AND SPECIAL ASSIGNMENTS:

Chair Laboratory Animal Care Committee
July 1985 - June 1988

Member Search committee for the director of Laboratory Animal Resources
1985

Chair Central Research Committee
July 1985 - September 1989

Member Springfield Committee for Research Involving Human Subjects
July 1988 – September 1989

Chair Springfield Committee for Research Involving Human Subjects
September 1989 - November 1992

Member Ad hoc committee for utilization of laboratory space
1989

Member Ad hoc committee for review of the Department of
Family Practice: 1991

Member Computing Advisory Committee, 1990

Chair Alzheimer Center Policy Advisory Committee
November 1988 - 2007

Member University Patents and Copyrights Committee
July 1985 - June 1996

Member Misconduct in Science Committee

	July 1990 - June 1996
Chair	Misconduct in Science Committee July 1996 - 1998
Member	Research Policy Advisory Committee July 1985 - Sept. 1993
Member	Utilization Review for Memorial Medical Center. 1986 - 1992
Member	LCME Subcommittee for institutional research: 1992
Member	Clinical Chairs' Committee Feb. 1993 -2012
Member	Executive Committee, Feb 1993 – 2012
Member	Medical Service and Research Plan Committee April 1993 – November 1997
Member	Student Progress System Subcommittee on Appeals July 1994 - 2001
Member	Search Committee, Chair of Neurology 1994
Member	Search Committee, Chair of Internal Medicine 1995
Member	ad hoc Committee, Scholars in Biomedical Research Program 1998
Member	Graduate Medical Education Committee 1998 - 2014
Member	LCME task force subcommittee for graduate education in the basic sciences and research. 1998
Member	Curriculum 2000 workgroup on integration of basic sciences and clinical medicine. 1999
Chair	Curriculum 2000 neuroscience clerkship committee. 1999

Member	Internal Medicine and Pulmonary Medicine Internal Review Committee, 1999
Chair	Dept of Neurology, St. John's Hospital, Springfield, IL, 2000-2012
Member	Student Progress Committee, 2001-2005
Member	Department of Medicine Research Development Task Force. September 2001-2002
Member	Dean and Provost search committee. November 2001-June 2002
Member	General Surgery Internal Review Committee, 2002
Chair	Chair of Psychiatry search committee, August 2002-November 2002
Chair	SIUSOM grant overhead committee, June 2003-November 2003
Member	Associate Dean for Research search committee, Sept. 2004-Dec. 2004
Chair	Psychiatry Residency internal review committee, November 2004-February 2005
Member	Translational research task force, December 2007 – May 2008

OFFICES IN PROFESSIONAL ORGANIZATIONS

Oct. 1993-Oct. 1996	Secretary-Treasurer, Central Society for Neurological Research
Oct. 1996-Oct. 1997	President, Central Society for Neurological Research
May 2004-Feb. 2013	President, Tremor Research Group

COMMITTEES IN PROFESSIONAL SOCIETIES

American Academy of Neurology Clinical Practice Committee, Geriatric Neurology and Dementia Section	Member, 1998-2007
Movement Disorder Society Membership committee	Member, 1998-2000
European Union Project NeuroTREMOR	Scientific Advisory Board May 2011-2013
Parkinson Study Group Credentials Committee	Member, 2011-2015

Task Force: European Recommendations on the Diagnosis and Management of Essential Tremor European Federation of Neurological Societies	External scientific advisor Feb 2012 - 2015
Tremor Rating Scale Task Force International Parkinson and Movement Disorder Society	Chair, September 2011-2014
Tremor Task Force International Parkinson and Movement Disorder Society	Chair, September 2011-2017
Tremor Study Group International Parkinson and Movement Disorder Society	Co-chair, June 2017-present
Evidence-Based Medicine Committee International Parkinson and Movement Disorder Society	Member, June 2017-2018

PROFESSIONAL ADVISORY BOARDS

International Essential Tremor Foundation, Kansas City, KS	Member, Medical Advisory Board, 1988 - <u>present</u>
Alzheimer's Disease and Related Disorders Association, Springfield Chapter	Member, Medical Advisory Board, 1986 - 2007
BlueCross-BlueShield of Illinois	Medical Consultant, 1998 - 2003
Kiwanis Neuroscience Research Foundation, Illinois-Eastern Iowa District	Medical Director, 2010 - <u>present</u>

RESEARCH STUDY GROUPS

Tremor Research Group	2001 – <u>present</u>
NINDS NET-PD Study Group	2003 – 2014
Parkinson Study Group	2005 – <u>present</u>
MDS Tremor Study Group	2017 – <u>present</u>

CERTIFICATIONS (date of recertification)

NIH Stroke Scale	November 4, 2010
ABCD2 Scale	November 4, 2010
Modified Rankin Scale	November 4, 2010
UPDRS	November 4, 2011

GRANT REVIEWS

National Institute of Neurological Diseases and Stroke	Special Reviewer, Neurology Study Section A, October 1992 - October 1993 Regular Member, October 1993 - October 1996. Reserve member, October 1996 - 1997
Louisiana Board of Regents	2013
National Institute on Aging	Special study section member (Locomotor Impairment and Falls in the Elderly), March 1986.
NIH, National Institute on Deafness and Other Communicative Diseases	Ad hoc grant reviewer, 1998
NIH, SBIR (BBBP-1)	Ad hoc grant reviewer, 2001
NIH, Clinical Neuroscience and Neurodegeneration Study Section	Reviewer, 2013 – 2015, 2020
NIH, CSR Anonymization Study	Reviewer, Jan. 2018 – 2019
National Science Foundation	Ad hoc grant reviewer, 1984
Veterans Administration	Ad hoc grant reviewer, 1986, 2000, 2003
Spinal Cord Research Foundation Paralyzed Veterans of America	Ad hoc grant reviewer, 1997
Illinois Department of Public Health	Ad hoc grant reviewer, 1996
International Tremor Foundation	Ad hoc grant reviewer, 1997
International Essential Tremor Foundation	Grant reviewer, 2005- <u>present</u>
Prinses Beatrix Fonds	Grant reviewer, 2010
German Ministry of Education and Research	Grant reviewer, 2010
Alzheimer Research Alliance of Oregon	Ad hoc grant reviewer, 1995
United States-Israel Binational Science Foundation	Ad hoc grant reviewer, 1997, 2006, 2007

University of Texas Health Science Center at San Antonio	Ad hoc grant reviewer, 2000
Natural Sciences and Engineering Research Council of Canada	Ad hoc grant reviewer, 1998
The Wellcome Trust, London UK Joint Infrastructure Fund	Ad hoc grant reviewer, 1999, 2003, 2007
Michael J Fox Foundation	Ad hoc grant reviewer, 2014
Netherlands Brain Foundation (Hersenstichting)	Ad hoc grant reviewer, 2016
Netherlands Organization for Scientific Research (Vici scheme)	Ad hoc grant reviewer, 2017
Austrian Science Fund (FWF)	Ad hoc grant reviewer, 2017

EDITORIAL BOARDS OF PROFESSIONAL JOURNALS

Movement Disorders	November 1992 - November 1996 January 1998 – January 2002
Tremor and Other Hyperkinetic Movements	November 2014 - <u>present</u>

REFeree SERVICE FOR PROFESSIONAL JOURNALS AND PUBLISHERS

Acta Neurologica Scandinavica
 American Academy of Neurology
 Annals of Biomedical Engineering
 Annals of Neurology
 Applied Sciences
 Archives of Neurology
 Artificial Intelligence in Medicine
 Behavioral and Brain Sciences
 Behavioral Brain Research
 Biological Cybernetics
 BioMed Central
 BioMed Research International
 Biomedical Signal Processing and Control

BMJ Open
Brain
Brain Research
Brain Sciences
Brain Stimulation
Brain Topography
Cerebellum & Ataxias
Cerebral Cortex
Chronic Illness
Cleveland Clinic Journal
Clinical Neurology and Neurosurgery
Clinical Neuropharmacology
Clinical Neurophysiology
Complexity
Computers in Biology and Medicine
Computer Methods and Programs in Biomedicine
Electroencephalography and Clinical Neurophysiology
Engineering Science and Technology
Experimental Aging Research
Experimental Brain Research
European Journal of Neurology
European Journal of Applied Physiology
European Journal of Applied Physiology and Occupational Physiology
F.A. Davis (book reviews)
Human Movement Science
IEEE Press (Institute of Electrical and Electronics Engineers, Inc.) (book reviews)
IEEE Journal of Biomedical and Health Informatics
Indian Journal of Science and Technology
International Journal of Neuroscience
Journal of Applied Physiology
Journal of Clinical Investigation
Journal of Clinical Movement Disorders
Journal of Electromyography and Kinesiology
Journal of Geriatric Psychiatry and Neurology
Journal of Motor Behavior
Journal of Neurology
Journal of Neurophysiology
Journal of Neural Transmission
Journal of Neurological Sciences
Journal of Neurology, Neurosurgery and Psychiatry
Journal of NeuroEngineering and Rehabilitation
Journal of NeuroRehabilitation and Engineering
Journal of Neuroscience
Journal of Neuroscience Methods
Journal of Parkinson's Disease
Journal of Physiology

Journal of Theoretical Biology
 Lancet
 Lancet Neurology
 Lippincott - Raven Publishers (book reviews)
 Medical & Biological Engineering & Computing
 Medical Engineering and Technology
 Motor Control
 Movement Disorders
 Movement Disorders Clinical Practice
 Neurodegenerative Disease Management
 Neuroepidemiology
 Neurology
 Neurorehabilitation and Neural Repair
 Neuroscience Journal
 Neurotherapeutics
 Neurotoxicology and Teratology
 New England Journal of Medicine
 Parkinson's Disease
 Parkinsonism & Related Disorders
 Perceptual and Motor Skills
 PLOS ONE
 Progress in Neurobiology
 Psychological Reports
 Psychopharmacology
 Science
 Scientific Reports
 Sensors
 Stroke
 Teaching and Learning in Medicine
 Technology and Health Care
 Therapeutic Advances in Neurological Disorders
 Therapeutic Advances in Drug Therapy
 Transactions on Neural Systems and Rehabilitation Engineering
 Tremor and Other Hyperkinetic Movement Disorders
 The Cerebellum

PUBLICATIONS:

Papers in peer-reviewed journals:

1. Elble RJ, Randall JE. 1976. Motor unit activity responsible for the 8- to 12-Hz component of human physiological finger tremor. J Neurophysiol 39:370-383.
2. Elble RJ, Randall JE. 1978. Mechanistic components of normal hand tremor. Electroenceph Clin Neurophysiol 44:72-82.

3. Kapila A, Elble R, Ratcheson RA, Burde R, Gado M. 1982. Radiologic demonstration of the dorsal medullocervical spur in adult Chiari malformation. J Clin Neuro-Ophthalmology 2:235-240.
4. Elble RJ, Schieber MH, Thach WT. 1984. Activity of muscle spindles, motor cortex and cerebellar nuclei during action tremor. Brain Res 323:330-334.
5. Elble RJ. 1986. Physiologic and essential tremor. Neurology 36:225-231.
6. Elble RJ, Higgins C, Moody C. 1987. Stretch reflex oscillations and essential tremor. J Neurol Neurosurg Psychiatry 50:691-698.
7. Elble RJ, Giacobini E, Scarsella GF. 1987. Cholinesterases in cerebrospinal fluid: a longitudinal study in Alzheimer disease. Arch Neurol 44:403-407.
8. Norfray JF, Couch JR, Elble RJ, Good DC, Manyam BV, Patrick JL. 1988. Visualization of brain iron by mid-field MR. Am J Neuroradiol 9:77-82.
9. Becker R, Giacobini E, Elble R, McIlhany M, Sherman K. 1988. Potential pharmacotherapy of Alzheimer disease: a comparison of various forms of physostigmine administration. Acta Neurol Scandinav 77(suppl 116):19-29.
10. Elble RJ, Giacobini E, Higgins C. 1989. Choline levels are increased in cerebral spinal fluid of Alzheimer patients. Neurobiol of Aging 10:45-50.
11. Elble RJ, Moody C, Higgins C. 1990. Primary writing tremor: a form of focal dystonia? Movement Disorders 5:118-126.
12. Becker RE, Colliver J, Elble RJ, et al. 1990. Effects of metrifonate, a long-acting cholinesterase inhibitor, in Alzheimer disease: a report of an open trial. Drug Development Res 19:425-434.
13. Elble RJ, Sinha R, Higgins C. 1990. Quantification of tremor with a digitizing tablet. J Neurosci Methods 32:193-198.
14. ¹Elble RJ, Thomas SS, Higgins C, Colliver J. 1991. Stride-dependent changes in gait of older people. J Neurol 238:1-5.
15. Elble RJ. 1991. Inhibition of forearm EMG by palatal myoclonus. Mov Disord 6:324-329.
16. Elble RJ, Higgins C, Hughes L. 1992. The syndrome of senile gait. J Neurol 239:71-75.
17. Elble RJ, Higgins C, Hughes L. 1992. Longitudinal study of essential tremor. Neurology 42:441-443.

¹ Selected for review in Sports Medicine Digest, 1992

18. Elble RJ, Higgins C, Hughes L. 1992. Phase resetting and frequency entrainment of essential tremor. Exp Neurol 116:355-361.
19. Brilliant M, Elble RJ, Ghobrial M, Struble RG. 1992. Distribution of amyloid in the brainstems of patients with Alzheimer disease. Neurosci Lett 148:23-26.
20. Elble RJ, Moody C, Leffler K, Sinha R. 1994. The initiation of normal walking. Mov Disord 9:139-146.
21. Elble RJ, Higgins C, Hughes L. 1994. Essential tremor entrains rapid voluntary movements. Exp Neurol 126:138-143.
22. Elble RJ, Higgins C, Leffler K, Hughes L. 1994. Factors influencing the amplitude and frequency of essential tremor. Mov Disord 9:589-596.
23. ²Brilliant M, Hughes L, Anderson D, Ghobrial M, Elble R. 1995. Rarefied white matter in patients with Alzheimer disease. Alzheimer Disease Related Disorders 9:39-46.
24. Elble RJ, Brilliant M, Leffler K, Higgins C. 1996. Quantification of essential tremor in writing and drawing. Mov Disord 11:70-78.
25. Qureshi F, Morales A, Elble RJ. 1996. Tremor due to infarction in the ventrolateral thalamus. Mov Disord 11:440-444.
26. Elble RJ, Cousins R, Leffler K, Hughes L. 1996. Gait initiation by patients with lower-half parkinsonism. Brain 119:101-112.
27. Brilliant MJ, Elble RJ, Ghobrial M, Struble RG. 1997. Distribution of amyloid β -protein deposition in the corpus striatum of patients with Alzheimer's disease. Neuropath Applied Neurobiol 23:322-325.
28. Bashir K, Elble RJ, Ghobrial M, Struble RG, Brilliant M. Hemianopsia in dementia with Lewy bodies. Arch Neurol 1998;55:1132-1135.
29. Elble RJ. Tremor in ostensibly normal elderly people. Mov Disord 1998;13:457-464.
30. Zec RF, Landreth ES, Belman J, Fritz S, Hasara A, Fraizer W, Wainman S, McCool M, Grames E, O'Connell C, Harris R, Robbs R, Elble R, Manyam B. 1999. A comparison of phonemic, semantic, and alternating word fluency in Parkinson disease. Arch Clin Neuropsychol 14:255-264.
31. Matthews B, Zec RF, Elble RJ, Markwell SJ. Global executive functioning is commensurate with global cognitive functioning in PD. Arch Clin Neuropsychol 1999;14:634-5

² Selected for review in the 1995 Parkinson/Alzheimer Digest, PMSI Bugamor, The Netherlands.

32. Zec RF, Matthews B, Vost KG, Markwell SJ, Elble RJ. A comparison of mild AD patients and nondemented PD patients on the FLOPS. *Arch Clin Neuropsychol* 1999;14:622
33. ³Henderson VW, Paganini-Hill A, Miller BL, Elble RJ, Reyes PF, Shoupe D, McCleary CA, Klein RA, Hake AM, Farlow MR. 2000. Estrogen for Alzheimer's disease in women: randomized, double-blind, placebo-controlled trial. *Neurology* 54:295-301.
34. Elble RJ, Leffler K. 2000. Pushing and pulling with the upper extremities while standing: the effects of mild Alzheimer dementia and Parkinson disease. *Mov Disord*;15:255-268.
35. Elble RJ. 2000. Essential tremor frequency decreases with time. *Neurology* 55:1547-1551.
36. Ala TA, Hughes LF, Kyrouac GA, Ghobrial MW, Elble RJ. 2001. Pentagon copying is more impaired in dementia with Lewy bodies than in Alzheimer's disease. *J Neurol Neurosurg Psychiatry* 70:483-488.
37. Kovach MJ, Ruiz J, Kimonis K, Mueed S, Sinha S, Higgins C, Elble S, Elble R, Kimonis VE. 2001. Genetic heterogeneity in autosomal dominant essential tremor. *Genetics Medicine* 3:197-199.
38. Ala TA, Hughes LF, Kyrouac GA, Ghobrial MW, Elble RJ. The Mini Mental State Exam may help in the differentiation of dementia with Lewy bodies and Alzheimer's disease. *International Journal of Geriatric Psychiatry* 2002;17:503-509.
39. Elble RJ. Characteristics of physiologic tremor in young and elderly adults. *Clin Neurophysiol* 2003;114:624-635
40. Ala TA, Hughes LF, Kyrouac GA, Ghobrial MW, Elble RJ. The Mini-Mental State exam may help in the differentiation of dementia with Lewy bodies and Alzheimer's disease. *Research and Practice in Alzheimer's Disease*. 2003;7:231-235.
41. Elble RJ, Higgins C, Elble S. Electrophysiologic transition from physiologic tremor to essential tremor. *Mov Disord* 2005;20:1038-1042.
42. Zesiewicz TA, Elble R, Louis ED, Hauser RA, Sullivan KL, Dewey RB Jr, Ondo W, Gronseth GS, Weiner WJ. Practice Parameter: Therapies for Essential Tremor (An Evidence Based Review). Report of the Quality Standards Subcommittee of the American Academy of Neurology. *Neurology* 2005;64:2008-2020.
43. Elble RJ. Gravitational artifact in accelerometric measurements of tremor. *Clin Neurophysiol* 2005;116:1638-1643.

³ Selected for expedited publication

44. Ondo WG, Jankovic J, Connor GS, Pahwa R, Elble R, Stacy MA, et al. Topiramate in essential tremor. *Neurology* 2006;66:672-7.
45. Pyo G, Elble RJ, Ala T, Markwell SJ. The characteristics of patients with uncertain/mild cognitive impairment on the Alzheimer's Disease Assessment Scale. *Alzheimer Dis Assoc Disord* 2006;20:16-22
46. Shatunov A, Sambuughin N, Jankovic J, Elble R, Lee HS, Singleton AB, Dagvadorj A, Ji J, Zhang Y, Kimonis VE, Hardy J, Hallett M, Goldfarb LG. Genomewide scans in American families reveal genetic linkage of essential tremor to a region on chromosome 6p23. *Brain* 2006;129:2318-31
47. Elble RJ, Pullman SL, Matsumoto J, Raethjen J, Deuschl G, Tintner R. Tremor amplitude is logarithmically related to 4- and 5-point tremor rating scales. *Brain* 2006;129:2660-6
48. Stacy MA, Elble RJ, Ondo WG, Wu S-C, and Hulihan J, for the *TRS Study Group. Assessment of Inter-Rater and Intra-Rater Reliability of the Fahn-Tolosa-Marín Tremor Rating Scale (TRS) in Essential Tremor. *Mov Disord* 2007;22:833-8.
49. Elble RJ, Lyons KE, Pahwa R. Levetiracetam is not effective for essential tremor. *Clin Neuropharmacol* 2007;30:350-356.
50. Goetz CG, Stebbins GT, Wolff D, Deleeuw W, Bronte-Stewart H, Elble R, Hallett M, Nutt J, Ramig L, Sanger T, Wu AD, Kraus PH, Blasucci LM, Shamim EA, Sethi KD, Spielman J, Kubota K, Grove AS, Dishman E, Taylor CB. Testing objective measures of motor impairment in early Parkinson's disease: Feasibility study of an at-home testing device. *Mov Disord* 2009;24:551-556.
51. Louis ED, Faust PL, Vonsattel JPG, Honig LS, Rajput A, Rajput A, Pahwa R, Lyons KE, Ross GW, Elble RJ, Erickson-Davis C, Moskowitz CB, Lawton A. Torpedoes in Parkinson's disease, Alzheimer's disease, essential tremor, and control brains. *Mov Disord* 2009;24:1600-1605.
52. Elble RJ, Biondi DM, Ascher S, Wiegand F, Hulihan J. Carisbamate in essential tremor: brief report of a proof of concept study. *Mov Disord* 2010;25:634-8.
53. Elble RJ, Suchowersky O, Shaftman S, Weiner WJ, Huang P, Tilley B, on behalf of the NINDS NET-PD investigators. Impact of belief in neuroprotection on therapeutic intervention in Parkinson disease. *Mov Disord* 2010;25:1082-6.
54. Fasano A, Herzog J, Raethjen J, Rose FEM, Muthuraman M, Volkmann J, Falk D, Elble R, Deuschl G. Gait ataxia in essential tremor is differentially modulated by thalamic stimulation. *Brain* 2010;133:3635-48.
55. Heldman DA, Jankovic J, Vaillancourt DE, Prodoehl J, Elble RJ, Giuffrida JP. Essential tremor quantification during activities of daily living. *Parkinsonism Relat Disord* 2011;17:537-42.

56. Zesiewicz TA, Elble RJ, Louis ED, Gronseth GS, Ondo WG, Dewey RB, Jr., et al. Evidence-based guideline update: Treatment of essential tremor: Report of the Quality Standards Subcommittee of the American Academy of Neurology. *Neurology* 2011;77:1752-5.
57. Muthuraman M, Heute U, Arning K, Anwar AR, Elble R, Deuschl G, Raethjen J. Oscillating central motor networks in pathological tremors and voluntary movements. What makes the difference? *Neuroimage* 2012;60:1331-1339.
58. Elble R, Comella C, Fahn S, et al. Reliability of a new scale for essential tremor. *Mov Disord* 2012;27:1567-1569.
59. Zesiewicz TA, Sullivan KL, Hinson V, Stover NP, Fang J, Jahan I, Miller A, Carranza MA, Elble R. Multisite, double-blind, randomized, controlled study of pregabalin for essential tremor. *Mov Disord* 2013;28:249-50
60. Elble R, Bain P, Joao Forjaz M, et al. Task force report: Scales for screening and evaluating tremor: Critique and recommendations. *Mov Disord* 2013;28:1793-800.
61. Kaul S, Elble RJ. Impaired pentagon drawing is an early predictor of cognitive decline in Parkinson's disease. *Mov Disord* 2014;29:427-8.
62. Bhargava P, Elble RJ. Clinical Reasoning: An unusual cause of transverse myelitis? *Neurology* 2014;82:e46-50.⁴
63. Forjaz MJ, Ayala A, Testa CM, Bain PG, Elble R, Haubenberger D, Rodriguez-Blazquez C, Deuschl G, Martinez-Martin P. Proposing a Parkinson's disease specific tremor scale from the MDS-UPDRS. *Mov Disord*. 2015;30:1139-1143.
64. Bhargava P, Siddiqui F, Aggarwal B, Moore BE, Elble RJ. A unique case of intravascular lymphoma mimicking encephalomyeloradiculoneuropathy. *Neurologist* 2015;20:18-21.
65. Elkouzi A, Kattah JC, Elble RJ. Hypertrophic olivary degeneration does not reduce essential tremor. *Movement Disorders Clinical Practice*. 2016;3 (2):209-211
66. Haubenberger D, Abbruzzese G, Bain PG, et al. Transducer-based evaluation of tremor. *Mov Disord* 2016;31(9):1327-36.
67. Elble RJ. The Essential Tremor Rating Assessment Scale. *J Neurol Neuromed* 2016;1(4):34-38.
68. Elble R, Hellriegel H, Raethjen J, Deuschl G. Assessment of head tremor with accelerometers versus gyroscopic transducers. *Movement Disorders Clinical Practice* 2017;4(2):205-211.

⁴ Winner of the 2015 Neurology® Resident and Fellow Writing Award

69. Michael AP, Elkouzi A, Elble RJ. Pearls & Oysters: Low-pressure hydrocephalus and inadequate shunting. *Neurology* 2017;88(17):e174-e177.
70. Elble RJ, Ellenbogen A. Digitizing tablet and Fahn–Tolosa–Marin ratings of Archimedes spirals have comparable minimum detectable change in essential tremor. *Tremor Other Hyperkinet Mov* 2017; 7. doi: 10.7916/D89S20H7
71. Elkouzi A, Bit-Ivan EN, Elble RJ. Pure akinesia with gait freezing: a clinicopathologic study. *J Clinical Movement Disorders* 2017; 4:15.
72. Bhatia KP, Bain P, Bajaj N, Elble RJ, Hallett M, Louis ED, et al. Consensus Statement on the classification of tremors. From the task force on tremor of the International Parkinson and Movement Disorder Society. *Mov Disord* 2018; 33(1): 75-87.
73. Ondo W, Hashem V, LeWitt PA, Pahwa R, Shih L, Tarsy D, Zesiewicz T, Elble R. Comparison of the Fahn-Tolosa-Marín Clinical Rating Scale and the Essential Tremor Rating Assessment Scale. *Mov Disord Clin Pract* 2018;5:60-5.
74. Muthuraman M, Raethjen J, Koirala N, Anwar AR, Mideksa KG, Elble R, et al. Cerebello-cortical network fingerprints differ between essential, Parkinson's and mimicked tremors. *Brain* 2018;141:1770-81.
75. Elble RJ. Estimating change in tremor amplitude using clinical ratings: recommendations for clinical trials. *Tremor Other Hyperkinet Mov*. 2018; 8.doi: 10.7916/D89C8F3C
76. Gövert F, Becktepe J, Balint B, Rocchi L, Brugger F, Garrido A, et al. Temporal discrimination is altered in patients with isolated asymmetric and jerky upper limb tremor. *Mov Disord*. 2019. doi: 10.1002/mds.27880
77. Kattah JC, Elble RJ, De Santo J, Shaikh AG. Oculopalatal tremor following sequential medullary infarcts that did not cause hypertrophic olivary degeneration. *Cerebellum & Ataxias* 2020;7(1). doi: 10.1186/s40673-020-00112-2
78. Handforth A, Tse W, Elble RJ. A Pilot Double-Blind Randomized Trial of Perampanel for Essential Tremor. *Mov Disord Clin Pract* 2020;7(4):399-404.