

Timothy Gerard Lukovits
Dartmouth-Hitchcock Medical Center
Department of Neurology
One Medical Center Drive
Lebanon, NH 03756

June, 2024

1. Education

1980-1984

Averill Park High School (Salutatorian)
Averill Park, New York

1984-1988

Dartmouth College
Hanover, New Hampshire
B.A., Magna Cum Laude

1988-1993

University of Rochester School of Medicine and Dentistry
Rochester, New York
M.D.

II. Postdoctoral Training

III. Academic Appointments

IV Institutional Leadership Roles

V. Licensure and Certification

VI. Hospital Appointments

VII. Other Professional Positions

VIII. Professional Development Activities

IX. Teaching Activities.

X. Primary Research Advising

XI. Advising/Mentoring

XII. Engagement, Advocacy, Community Service, Community Education

XIII. Research Activities

XIV. Program Development

XV. Entrepreneurial Activities

XVI. Major Committee Assignments

Administrative Data

Office Address:

Office Telephone: 603-650-5104; FAX: 603-650-6233

E-mail Address : timothy.g.lukovits@hitchcock.org

Hospital Affiliation:

Active Hospital, Department of Neurology
Dartmouth-Hitchcock Medical Center

Cheshire Medical Center, Keene, New Hampshire
(Consulting privileges, Telemedicine Affiliation)

Brattleboro Memorial Hospital, Brattleboro, Vermont
(Consulting privileges, Telemedicine Affiliation)

Southwestern Vermont Medical Center, Bennington, Vermont
(Consulting privileges, Telemedicine Affiliation)

North Country Hospital, Newport, Vermont
(Consulting privileges, Telemedicine Affiliation)

Weeks Medical Center, Lancaster, New Hampshire
(Consulting privileges, Telemedicine Affiliation)

Androscoggin Valley Hospital, Berlin, New Hampshire
(Consulting privileges, Telemedicine Affiliation)

Littleton Regional Hospital, Littleton, New Hampshire
(Consulting privileges, Telemedicine Affiliation)

Maine General Hospital, Augusta, Maine
(Consulting privileges, Telemedicine Affiliation)

New London Hospital, New London, New Hampshire
(Consulting privileges, Telemedicine Affiliation)

Northwestern Medical Center, St. Albans, Vermont
(Consulting privileges, Telemedicine Affiliation)

Springfield Hospital, Springfield, Vermont
(Consulting privileges, Telemedicine Affiliation)

Mt. Ascutney Hospital, Windsor, Vermont
(Consulting privileges, Telemedicine Affiliation)

Grace Cottage Hospital, Townsend, Vermont
(Consulting privileges, Telemedicine Affiliation)

Academic Appointments:

Assistant Professor, Dartmouth Medical School (2002-2008)

Associate Professor, Geisel School of Medicine at Dartmouth (2008-present)

Home Address: 186 Hopson Road, Norwich, VT 05055

Home Telephone: 802-649-8480

Citizenship: U.S.A.

Biographical Data

Born: January 2, 1966; Albany, New York

Education

Additional Training

Training Program in Geriatrics and the Neurobiology of Aging Department of Health and Human Services	1990-1991
International Fellowship in Geriatrics, Edinburgh, Scotland University of Rochester School of Medicine and Dentistry	Spring 1993
Intern in Internal Medicine Dartmouth-Hitchcock Medical Center	1993-1994
Resident in Neurology Dartmouth-Hitchcock Medical Center	1994 - 1996
Chief Resident/Instructor in Medicine (Neurology) Dartmouth-Hitchcock Medical Center	1996-1997
Fellow in Cerebrovascular Disease and Neurologic Critical Care, Adjunct Attending-House Staff Rush-Presbyterian-St. Luke's Medical Center	1997-1999
Elective in Neurovascular Surgery and Interventional Neuroradiology with Drs. James Ausman and Gerard Debrun (Univ. of Illinois at Chicago)	Spring 1998
Certified in Neurosonology, American Society of Neuroimaging	May 1998
Neurocritical Care Society, Emergency Neurological Life Support Course Certification February, 2015. Re-certified ENLS 3.0 February, 2018-2020.	

Licensure

State of New Hampshire: #11633	expires 6/30/2026
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State of Vermont: 042.0012616	expires 11/30/2024
State of Maine (Telemedicine): TM21455	expires January 31, 2024
State of Maine MD27509	expires January 31, 2026

Board Certification

American Board of Psychiatry and Neurology	2000-present (recertified May 18, 2020, Certificate No. 48311)
Maintenance of Certification (48311)	2020-2030
Vascular Neurology Subspecialty Certification	2020-2030 (recertified May 18, 2020, Certificate No. 853)

Honors and Awards

Adolph Medal in Physiology	1989
University of Rochester School of Medicine and Dentistry	
Nauta Neurosciences Award	1989
University of Rochester School of Medicine and Dentistry	
Goldstein Memorial Fund Scholarship	1989-1993
University of Rochester School of Medicine and Dentistry	
Robert J. Joynt Prize for Excellence in Clinical Neurology	1993
University of Rochester School of Medicine and Dentistry	
The Medical Society of the State of New York Community Service Award	1993
University of Rochester School of Medicine and Dentistry	
Northern New England Neurological Society Meeting, Best Presentation	1995, 1996
Alpha Omega Alpha Society	1997
Dartmouth Medical School	

Pillsbury Fellow Rush Medical College	1998-1999
American Academy of Neurology Quintessentials Stroke Prevention Participant	2002
DHMC Excellence in Teaching Award	2005
DHMC Excellence in Teaching Award	2007
Northern New England Neurological Society President	2005-2007
Peter D. Williamson Faculty Teaching Award	2008
DHMC Excellence in Teaching Award	2009
American Stroke Association Get with the Guidelines-Stroke Multiple awards	2007-present
Staff Choice Award for 2017 Patient Safety and Quality Week Poster Fair	March 2017
DHMC Excellence in Teaching Award	2018 (6 awards total)

Recent and Active Memberships

American Academy of Neurology	
American Heart Association	
Stroke Council	
New Hampshire Stroke Collaborative, Medical Director	2010-present
Northeast Cerebrovascular Consortium	2006-present
American Society of Neuroimaging	
Restraints Committee, DHMC	2007-2015

Vermont Stroke Workgroup (VAHHS)

Scientific Review Committee-Neurology Department	2010-2012
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DHMC Hypothermia after Cardiac Arrest Workgroup	2012-2020
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DHMC Neurology Residency Clinical Competency Committee	
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DHMC Neurology Residency Education Committee	
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Moyamoya Foundation Medical Advisory Board	2023-present
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Northeast Cerebrovascular Consortium Meeting Committee	2023-present
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DHMC Lead APP recruitment	2024
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Selected Clinical Research Activities

Factor VIIa in Intracerebral Hemorrhage (Novo Nordisk FAST, 1641)	2005-2008
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ViVEXX Carotid Revascularization Trial (VIVA) (Co-Investigator)	2006-2013
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EMPiRE	2007-2009
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The Embolic Protection with Reverse Flow (EMPiRE) Study of The
GORE Neuro Protection System In Carotid Stenting Of Subjects
At High Risk For Carotid Endarterectomy
(Sub-investigator)

CREST: Carotid Revascularization Endarterectomy versus Stenting Trial	2004-2010
(Co-Investigator)	

Closure I Trial (NMT PFO closure study): DHMC CPHS#16378 (Principal Investigator, Site #061)	2003-2010
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IRIS: Insulin Resistance Intervention Stroke Trial (Site Principal Investigator)	March 2006-2015
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Investigation of Acquired Supranuclear Gaze Paresis Following Cardiac Surgery with Deep Hypothermic Circulatory Arrest (CPHS 21918)	2009-2013
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Sapphire Study (Sub-investigator)	2009-2013
CABANA (A Carotid Stenting Boston Scientific Surveillance Program) (Subinvestigator)	2009-2013
ACT1 Asymptomatic Carotid Trial (Subinvestigator)	2009-2013
Platelet Oriented Inhibition in New TIA Trial (POINT) (Site Principal Investigator)	2011
Desmoteplase in Acute Stroke (DIAS 4) Lundbeck, Inc (Local Principal Investigator)	2011
SOCRATES Acute Stroke Or Transient Ischaemic Attack Treated With Aspirin or Ticagrelor and Patient Outcomes (Site Principal Investigator)	2014-2016
PROSPER (Patient-centered Research into Outcomes Stroke patients Prefer and Effectiveness Research) Duke Clinical Research Institute	2015
CREST-2: Carotid Revascularization and Medical management for Asymptomatic Carotid Stenosis (Co-Investigator)	2015-present
ASAP-TOO (Assessment of the WATCHMAN™ Device in Patients Unsuitable for Oral Anticoagulation), Boston Scientific Sub-Investigator	2018

Palliative Care Stroke Study

2018

Full Title: Consultation in the Intensive Care Unit for Severe

Stroke Before and After the Adoption of “Triggers” and a Screening
Tool

Principal investigator

Neuro-AFib Retrospective Data Registry

April 2020-present

Investigator M. Edip Gurol (MGH).

Site Principal Investigator

The Implementation and Validation of Field Assessment Stroke

June 2020-present

Triage for Emergency Destination (FAST-ED) in a Rural EMS Region

Northeast EMS Research Consortium, and funded by the Northern
New England Clinical & Translational Research Network.

Site Principal Investigator.

"Association between cervical spinal manipulation and cervical artery dissection in older and younger
Medicare populations". R01 William Weeks.

High-Density EEG in Neurologic Disorders

2022-present

Sub-investigator

Evaluation of Dizziness in the Emergency Department

submitted 2022

Subinvestigator

Performance II (carotid stenting)

2022

Full Title: Protection against emboli during carotid artery stenting using a 3-in-1 delivery system
comprised of a post-dilation balloon, integrated embolic filter, and a novel carotid stent II

Other research team member

The PROGRESS Trial (Version 7.0, October 2023) 2022-present

A Prospective, Randomized, Controlled Trial to Assess the
Management of Moderate Aortic Stenosis by Clinical Surveillance or
Transcatheter Aortic Valve Replacement

Sub-investigator

PARTNER 3 2016-present

A Prospective, Randomized, Controlled, Multi-Center Study to Establish the Safety and Effectiveness
of the SAPIEN 3 Transcatheter Heart Valve in Low Risk Patients Requiring Aortic Valve
Replacement who have Severe, Calcific, Symptomatic Aortic Stenosis

Subinvestigator

EARLY TAVR Trial 2017-present

Evaluation of Transcatheter Aortic Valve Replacement Compared to Surveillance for Patients with
Asymptomatic Severe Aortic Stenosis

subinvestigator

The ENCIRCLE Trial (SAPIEN 3 MVR) 2022

Full Title: SAPIEN M3 System TransCatheter MItral Valve ReplaCement via Transseptal
AccessSite

Site subinvestigator

The PROGRESS Trial-Continued Access (Version 1.0, December 2023) 2024-present

Sub-investigator

Recent invited lectures

Rare New England Speaker Series 2020

March, 2020

"Moyamoya Disease: Lessons for All"

DHMC, Lebanon, NH

Neurology Grand Rounds "Retinal Arterial Occlusion: Its Importance and Place in Strokology DHMC, Lebanon, NH	April, 2020
Cheshire Medical Center EMS and Emergency Room Conference "Working to improve pre-hospital and ED stroke triage"	December 2021
Neurology Grand Rounds, DHMC, Lebanon, NH "Artificial Intelligence: A Smart Move for Neurology?"	2021
Dartmouth College Alumni CCN Educational Event "Some Important News on Stroke for the CCN"	January, 2022
Moyomoya Foundation Annual Conference "Medical Management"	May, 2022
New Hampshire Brain Injury and Stroke Annual Conference "Artificial Intelligence: A Smart Move for Stroke Care?"	May, 2022
Referring hospital stroke education (numerous) Grace Cottage, Townsend, Vermont "Working Together to Improve Pre-Hospital and ED Stroke Triage"	May, 2022
Alice Peck Day Hospital "Working Together to Improve Pre-Hospital and ED Stroke Triage"	May, 2022
Annual Update on stroke for Psychiatry Residents, DHMC	May 2022
Neurology Grand Rounds, DHMC, Lebanon, NH "Dizziness In the ED 2.0"	June, 2022
New Hampshire Stroke Symposium, St. Anselm College "New and Improved Pre-Hospital Stroke Diagnosis and Triage"	March, 2023

DHMC Psychiatry Residents Annual Neurology Series Stroke Mimics and Chameleons	May, 2023
Neurology Grand Rounds, DHMC, Lebanon, NH "New Insights into Small vessel disease"	September, 2023
Dartmouth College Alumni CCN Educational Event "Hypertension, TIA, and Stroke"	January, 2024
Northeastern Vermont Medical Staff Conference "Acute Stroke Care In Rural New England"	April, 2024
New Hampshire Stroke Symposium, St. Anselm College "Using AI to Augment HI In Acute ED Stroke Care"	May, 2024
Moyamoya Family Day 2024, Boston, MA "Medical Issues in the Patient with Moyamoya: Focus on Headache"	May, 2024

Publications

Lukovits TG, McDaniel KD. Behavioral disturbances in severe Alzheimer's disease: a comparison of family member and nursing staff reporting. *J Am Geriatr Soc* 1992;40:891-895.

McDaniel L, Lukovits TG, McDaniel KD. Alzheimer's disease: the problem of incorrect clinical diagnosis. *J Geriatr Psychiatry Neurol* 1993;6:230-234.

Lukovits TG, Allen CD. Subarachnoid hemorrhage after thrombolytic therapy for acute myocardial infarction: a case report. *Journal of Stroke and Cerebrovascular Diseases* 1996;6:104-105.

Lukovits TG, Fadul CE, Pipas JM, Williamson PD. Non-convulsive status epilepticus following intravenous contrast medium administration. *Epilepsia* 1996;37:1117-1120.

Katsamakis G, Lukovits TG, Gorelick PB. Calcific cerebral embolism in systemic calciphylaxis.

Neurology , 1998;51(1):295-297.

Lukovits TG, Mazzone T, Gorelick PB. Diabetes mellitus and cerebrovascular disease. *Neuroepidemiology* , 1999;18:1-4.

Schneck MJ, Lukovits TG, Meyers S, Ziegler D, Motton C, Fabrini C. Public perspectives regarding the relative importance of stroke risk factors. Abstract, American Heart Assoc.-Stroke Meeting 1999.

Lukovits TG, Gorelick PB. "Stroke in African Americans" (Chapter 23) In: Cohen SN, Hefta J, eds. Management of ischemic stroke. A clinical approach. McGraw Hill, October 1999.

Lukovits TG, Thomas K, Gorelick PB. Stroke prevention trials: how many enrollees can be expected by site? *Neurology* 1999;52:1101-1102.

Chaturvedi S, Lukovits TG, Chen W, Gorelick PB. Ischemia in the territory of a hypoplastic vertebrobasilar system. *Neurology* 1999;52:980-983.

Lukovits TG, Smith MC. Update: status epilepticus. *Current Opinion in Critical Care*, 1999;5:107-111.

Lukovits TG. Pathogenesis of extracranial cerebrovascular disease. *Neurosurg Clin N Amer* 2000;11(2):197-204.

Online Atlas of Cerebrovascular Disease. "Anticoagulation in cerebrovascular disease". Science Press. October 2003.

Lukovits TG. Psychogenic pseudostroke: clinical features. *Stroke* 2003;34:286.

James L. Bernat, and Timothy G. Lukovits. PSP-like syndrome after ascending aortic surgery: results from hypothermic circulatory arrest. *Neurology* 2004;63(6):1141-1142.

Lukovits, TG. "Cerebrovascular disease". Educational Review Manual. July 2005.

Williams TL, Lukovits TG and others. A fatal case of postpartum cerebral angiopathy with review of the literature. Accepted to the American Association of Neuropathologists meeting June, 2005, Arlington, Virginia. Abstract in *Journal of Neuropathology and Experimental Neurology*. 2005;64(5):464.

Hemispheric asymmetry in a dissociation between visuomotor and visuoperceptual streams.

Radoeva PD, Cohen JD, Corballis PM, Lukovits TG, Koleva SG. *Neuropsychologia* 2005;43:1763-1773.

Lee KH, Lukovits TG, and Friedman JA. "Triple-H" Therapy for Cerebral Vasospasm Following Subarachnoid Hemorrhage. *Neurocritical Care* 2006;4:68-76.

Williams TL, Lukovits TG and others. A fatal case of postpartum cerebral angiopathy with review of the literature. *Archives of Gynecology and Obstetrics* 2007; 275:67-77.

Kaplan, AV, Lukovits TG, and Robb JF. PFO Closure for Prevention of Recurrent Stroke in Patients after Cryptogenic Stroke: The imperative of completing randomized controlled trials. *Catheterization and Cardiovascular Interventions* 2007;69:6-8.

Williams TL, Parikh DR, Hopkin JR, Lukovits TG, Kono AT, Mamourian AC, Harris BT. Cerebral air embolism secondary to atrial-esophageal fistula. *Neurology* 2009; 72(12):e54-55.

Lukovits TG, Goddeau RP. Critical care of patients with acute ischemic and hemorrhagic stroke: update on recent evidence and international guidelines. *Chest* 2011; 139:694-700.

Timothy G. Lukovits, M.D.; Susannah L. Von Iderstine, R.N.; Richard P. Goddeau, D.O.; Reed Brozen, M.D. Dartmouth-Hitchcock Medical Center - Dartmouth-Hitchcock Advanced Response Team. Inter-hospital Helicopter Transport for Stroke in New Hampshire: Changes Over a Six-Year Period. *Air Medical Journal* 2013; 32(1): 36-39.

Lukovits TG. Expert commentary: Teaching case: hypertensive headache. *Headache: The Journal of Head and Face Pain* 2013, 53: 684-686.

Guardia CF, Lukovits TG, Goddeau RP. Lobster dysgeusia. *SOJ Neurology* 2014, 1(1), 1.

Lukovits TG, Bernat JL. Ethical approach to surrogate consent for hemicraniectomy in older adults with extensive middle cerebral artery stroke. *Stroke* 2014;45:2833-2835.

Wheddon J, Song Y, Mackenzie T, Phillips R, Lukovits T, Lurie J. Risk of stroke following chiropractic manipulation in Medicare B beneficiaries aged 65-99 with neck pain. *J Manipulative Physiol Ther* 2015;38:93-101.

"Carotid Endarterectomy Should Not be Based on Consensus Statement Duplex Velocity Criteria"
Jesse A. Columbo, Bjoern D. Suckow - Fellow, Dartmouth-Hitchcock Medical Center (Role:

Author) Claire L. Griffin, Philip P. Goodney - Jack L. Cronenwett Timothy G. Lukovits - Robert M. Zwolak Mark F. Fillinger. J Vasc Surgery 2017;65(4):1029-1038.

“Palliative Care Consultation in the Neuro ICU for Severe Stroke: Adoption of a Screening Tool”. Eileena J. Newton, Sahyli Perez Parra, Meredith A. MacMartin, Timothy G. Lukovits. Presented at ANA 2019 Annual Meeting. Annals of Neurology 86(S24) 2019.

Bernat JL and Lukovits Timothy G. Ethical Issues In Stroke Management
Neurol Clin Pract 2021 Feb;11(1):3-5.

Nguyen TN, Qureshi MM, Klein P, et al. Global Impact of the COVID-19 Pandemic on Stroke volumes and Cerebrovascular Events: One year Follow-up. Neurology 2022. Neurology. 2022 Oct 18;10.1212/WNL.0000000000201426. doi: 10.1212/WNL.0000000000201426. Epub ahead of print. PMID: 36257718.

Select Abstracts and Posters Presented

Clark RR, Lukovits TG. Interhospital Helicopter Transport in Acute Stroke: Initial Report from New Hampshire. American Stroke Association Annual Meeting, February, 2007.

Gropen T, et al. Regional implementation of the stroke systems of care model 9th Scientific Forum on Quality and Outcomes Research in Cardiovascular Disease and Stroke. 2008.

Lukovits TG, Von Iderstine S. Interhospital helicopter transport for stroke in New Hampshire: changes over a six year period. Northeast Cerebrovascular Consortium (American Stroke Association) Annual Meeting, October, 2008.

Caller T, Lukovits TG Delays in MR Imaging in Acute Stroke: Using Process Mapping of a Microsystem to Identify Causes and Potential Solutions, Presented Northeast Cerebrovascular Consortium (American Stroke Association) Annual Meeting, October, 2009.

Dorothea Torti MD, Timothy Lukovits MD, Ann Perry, MD and M. Shane Chapman MD.
Trigeminal Trophic Syndrome in a Young Woman. Submitted to American Academy of Dermatology annual meeting 2010.

Timothy G. Lukovits, M.D.; Susannah L. Von Iderstine, R.N.; Richard P. Goddeau, D.O.; Reed Brozen, M.D. Dartmouth-Hitchcock Medical Center - Dartmouth-Hitchcock Advanced Response Team. Inter-hospital Helicopter Transport for Stroke in New Hampshire: Changes Over a Six-Year Period, Critical Care Transport Medical Conference, San Antonio, April, 2010.

“Use of Novel Simulation Lab Exercises to Teach Neurology Residents to Manage Acute Stroke”
American Academy of Neurology, Annual Meeting, April, 2012

“Making Sense of Inpatient Hospital Mortality Rates: The Added Value of a Detailed Clinical Case Review”

Timothy G. Lukovits, M.D.; Diana Rojas-Soto M.D.; Patrick M. Chen, B.A.

Poster presentation: The Northeast Cerebrovascular Consortium Annual Meeting, October, 2015

“Independent variables contributing to stroke mortality in a tertiary medical center with a large rural referral base”

A.Tadevosyan; S. Anandaram; Diana Rojas-Soto M.D.; Timothy G. Lukovits, M.D.

Accepted, The American Stroke Association, Annual Meeting, February 2016.

“Carotid Endarterectomy should not be based on Consensus Statement Duplex Velocity Criteria”

Jesse A. Columbo, Bjoern D. Suckow - Fellow, Dartmouth-Hitchcock Medical Center (Role:

Author) Claire L. Griffin, Philip P. Goodney - Jack L. Cronenwett Timothy G. Lukovits - Robert M. Zwolak Mark F. Fillinger. Presented at the Annual Meeting of the Society for Vascular Surgery 2016.

“EEG electrode localization with 3D iPhone scanning using point-cloud electrode selection (PC-ES)”. Alicia Everitt, Haley Richards, Yinchun Song, Joel Smith, Erik Kobylarz, Timothy

Lukovits, Ryan Halter and Ethan Murphy. Journal of Neural Engineering, Volume 20, Number 6
