

Michelle Hu Leppert, M.D., M.B.A.

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Education

M.S. in Health Services Research, Colorado School of Public Health	2016-Present
Bugher Stroke Research Fellowship, University of Colorado, Aurora, CO	2016-2018
Vascular Neurology Fellowship, University of Colorado, Aurora, CO	2015-2016
Neurology Residency, University of Colorado, Aurora, CO	2011-2015
M.D., Emory University, Atlanta, GA	2006-2011
M.B.A., Emory University, Atlanta, GA	2009-2011

Academic Appointments

Assistant Professor Department of Neurology University of Colorado Aurora, CO	2018 - Present
Clinical Instructor Department of Neurology University of Colorado Aurora, CO	2016 - 2018

Hospital, Government, or Other Professional Positions

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Honors and Awards

Junior Investigator Travel Award, International Stroke Conference	2019
Bugher Research Fellow, American Heart Association- Salary Support, Project Funding and Tuition	2016
Resident Research Award, University of Colorado Hospital, Department of Neurology	2015
Merit Based Scholarship, Emory University Goizueta Business School - 75% of full tuition awarded.	2009
Medical Student Summer Research Fellowship, Emory University School of Medicine	2007
Graduated with Distinction, Duke University	2005
Dean's List, Duke University	2002 - 2005
Dean's Summer Research Fellowship, Duke University	2003/2004
Center for International Studies Overseas Summer Awards, Duke University	2004

Memberships in Profession Organizations

American Academy of Neurology, Member	2012 - Present
American Heart Association, Member	2014 - Present
Neurohospitalist Society, Member	2018 - Present

Major Committee and Service Responsibilities

Faculty Senate, University of Colorado School of Medicine Representative for the Department of Neurology	2018 - Present
Stroke Alert Development Working Group Rocky Mountain Regional VA Medical Center	2018- Present

House Officer's Association, University of Colorado Hospital Representative for Neurology Residency Program	2013 – 2016
Governing Board - GME Health Benefits Plan, University of Colorado Hospital Resident Representative	2013-2014/ 2015-2016
Clinical Effectiveness and Patient Safety Committee, University of Colorado Hospital Resident Representative	2013-2014

Licensure and Board Certification

State of Colorado Medical License	2014 - Present
State of Wyoming Medical License	2017 - Present
Diplomat, American Board of Psychiatry and Neurology	2015 - Present
Diplomat, American Board of Psychiatry and Neurology, Vascular Neurology	2016 - Present

Review and Referee Work

Stroke & Vascular Neurology, ad hoc reviewer	2015
International Medical Case Reports Journal, ad hoc reviewer	2015
Therapeutics and Clinical Risk Management, ad hoc reviewer	2015-Present
American Journal of Neuroradiology, ad hoc reviewer for Socioeconomics	2015-Present
Pre-K Career Development Program, CCTSI, invited grant reviewer	2017
University of Colorado Neurology Research Retreat, resident research award judge	2017
Austin Journal of Cerebrovascular Disease and Stroke, ad hoc reviewer	2017
Applied Health Economics and Health Policy, ad hoc reviewer	2017
Journal of Medical Economics, ad hoc reviewer	2017

Invited extramural lectures, presentations and visiting professorships

Local

Michelle Leppert. "Cost Effectiveness Evaluation in Stroke". University of Colorado, Department of Neurology 8th Annual Research Retreat. June 6th, 2018.

Meghan Barry, **Michelle Leppert**, John Carroll, Karen Orjuela. "Quit Playing Games with My Heart: Patent Foramen Ovale Closure and Cryptogenic Stroke." Department of Neurology Grand Rounds. University of Colorado. February 14th, 2018.

Cameron Ludt, **Michelle Leppert**, Sharon Poisson, Daniel Vela Duarte. "Arterial Dissection- Investigating A Possible Cluster and Review of a Common Cause of Stroke in the Young". Department of Neurology Grand Rounds. University of Colorado. November 3rd, 2016.

Michelle Leppert. "Cost Effectiveness Evaluation of Stroke Treatments". University of Colorado, Department of Neurology 5th Annual Research Retreat. June 17th, 2015.

Steve Ringel, Debra O'Reilly, Dianna Quan, Jason Fleming, Douglas Ney, **Michelle Leppert**, Christopher Schneck. "Detecting and treating depression in progressing neurological disorders". Department of Neurology Grand Rounds. University of Colorado. August 14th, 2013.

National

Michelle Leppert. "Young Adult Strokes". Neurology Resident Lectures. University of Michigan, Ann Arbor, MI. September 25th, 2017.

Michelle Leppert. "Bugher Fellow Update". ASA/Bugher Foundation Centers for Excellence in Stroke Research Annual Scientific Meeting. University of California Los Angeles, Los Angeles, CA. October 20th, 2017.

Michelle Leppert. “Trends in Stroke Hospitalizations, Associated Risk Factors and Treatments among Young Adult Ischemic Strokes in the US, 2001-2014 “. ASA/Bugher Foundation Center for Excellence in Stroke Research Annual Scientific Meeting. University of Miami, Miami, FL. October 21st, 2016.

International

Michelle Leppert, Stefan Sillau, Richard Lindrooth, Sharon Poisson, Jonathan Campbell, Jennifer Simpson. “Relationship Between Early Outpatient Visits and Readmission at 30 and 90 Days in Patients After Acute Ischemic Stroke”. International Stroke Conference, Honolulu, HI. February 6th, 2019.
(Accepted)

Teaching Record

Teaching

Lecturer, Vascular Neurology Didactics	2016 – Present
Lecturer, Stroke/ Neurological Emergencies Block	2015 – Present
Clinical Education of Medical Students, Residents and Fellows	2016 – Present

Mentoring

Do Minh, medical Student Class of 2022, career counseling	2018 - Present
Rebecca Pollard, Neurology resident, research study design and publication	2017 - Present
Gary Walker, Stroke Fellow, career counseling, research study design	2017 - Present
Camron Ludt, Stroke Fellow, career counseling, research publication	2016 - 2017
Meghan Barry, Stroke Fellow, career counseling, research study design	2017 - 2018

Grants Support

Co-Principle Investigator 2017-Present
The Association between Age, Exercise and Brain Volume after MCA Stroke: From Childhood to Elderly Stroke Imaging Study (FaCE-SIS)
To explore patterns of secondary neurodegeneration across the age spectrum in children and adults with middle cerebral artery distribution strokes.
Bugher’s Fellows Collaborative Project, awarded \$144,240 by the AHA Bugher Foundation.

Co-Investigator 2018-Present
Study of Allogeneic Umbilical Cord Blood Infusion for Adults With Ischemic Stroke (CoBIS 2)
To determine the efficacy of a single intravenous infusion of unrelated donor umbilical cord blood (UCB) for improving functional outcomes in patients with ischemic stroke.

Co-Investigator 2017-Present
BENefits of Stroke Treatment Delivered Using a Mobile Stroke Unit (BEST-MSU)
Trial comparing pre-hospital diagnosis and treatment of patients with stroke symptoms using a Mobile Stroke Unit (MSU) with subsequent transfer to a Comprehensive Stroke Center (CSC) Emergency Department (ED) for further management.

Co-Investigator 2016-2017
Boehringer Ingelheim - RE-SPECT ESUS
Randomized, Double-blind Evaluation in Secondary Stroke Prevention Comparing the Efficacy and Safety of the Oral Thrombin Inhibitor Dabigatran Etexilate (110 mg or 150 mg, Oral b.i.d.) Versus Acetylsalicylic Acid (100 mg Oral q.d.) in Patients With Embolic Stroke of Undetermined Source.

Co-Investigator 2015-2017
Platelet-Oriented Inhibition in New TIA and Minor Ischemic Stroke (POINT)
Evaluation of clopidogrel as a treatment to reduce risk of stroke and heart attack after TIA in patients also prescribed aspirin. The aim is to substantially reduce the stroke burden in the US and substantially reduce cost of care.

Bibliography

Peer Reviewed Publications

** Indications First or Last Author Publication

Johnston SC, Easton JD, Farrant M, Barsan W, Conwit RA, Elm JJ, Kim AS, Lindblad AS, Palesch YY; Clinical Research Collaboration, Neurological Emergencies Treatment Trial Network, and the **POINT Investigators**. Clopidogrel and Aspirin in Acute Ischemic Stroke and High-Risk TIA. *N Eng J Med*. 2018;379:215-255.

****Leppert, MH**, Poisson SN, Carroll JD, Thaler DE, Kim CH, Orjuela KD, Ho PM, Burke JF, Campbell JD. Cost-Effectiveness of Patent Foramen Ovale Closure Versus Medical Therapy for Secondary Stroke Prevention. *Stroke*. 2018;49:1443-1450.

Nguyen DH, Mohler A, **Leppert M**, Parra C, Zeng YP, Prok L, Schowinsky J, Margo CM, Pacheco T, Ney D. Index Case of Cutaneous Follicular Mycosis Fungoides with Central Nervous System Involvement and Review of Literature. *Am J Dermatopathol*. 2018;40:185-190.

Ludt C, **Leppert M**, Jones A, Song J, Kuwayama D, Pastula DM, Poisson S. Multiple Strokes Associated with Elongation of the Hyoid Bone. *Neurohospitalist*. 2018; 8:35-37.

Nyberg EM, Case D, Nagae LM, Honce JM, Reyenga W, Seinfeld J, Poisson S, **Leppert MH. "The Addition of Endovascular Intervention for Dural Venous Sinus Thrombosis: Single-Center Experience and Review of Literature". *J of Stroke and Cereb Dis*. 2017;26:2240-7.

****Leppert M**, Poisson SN, Carroll JD. "Atrial Septal Defects in Cardioembolic Stroke". *Cardiol Clin*. 2016;34:225-30.

Schowinsky J, **Leppert M**, Ney D, Kleinschmidt-DeMaster BK. "Prominent Vascular and Perivascular Eosinophilic Infiltrates Heralding CNS Mycosis Fungoides". *J Neuropathol Exp Neurol*. 2015; 74:948-51.

****Leppert MH**, Campbell JD, Simpson JR, Burke JF. "Cost-Effectiveness of Intra-Arterial Treatment as an adjunct to Intravenous Tissue Type Plasminogen Activator for Acute Ischemic Stroke". *Stroke*. 2015;46:1870-6.

Randleman JB, White AJ Jr, Lynn MJ, **Hu MH**, Stulting RD. "Incidence, outcomes, and risk factors for retreatment after wavefront-optimized ablations with PRK and LASIK." *J Refract Surg*. 2009 Mar;25(3):273-6.

Randleman JB, Perez-Straziota CE, **Hu MH**, White AJ, Loft ES, Stulting RD. "Higher-order aberrations after wavefront-optimized photorefractive keratectomy and laser in situ keratomileusis." *J Cataract Refract Surg*. 2009 Feb;35(2):260-4.

Posters and Abstracts

Leppert MH, Burke J, Campbell J et al. Trends in Young Adult Stroke and Acute Myocardial Infarction, Is Atherosclerosis to Blame? (WP183) Poster presented at: The International Stroke Conference; 2018 Jan 24-26. Los Angeles, CA.

Leppert MH, Campbell J, Burke J, et al. Treatment Rate of Atherosclerotic Risk Factors Among Young Adults Compared to Older Adults. (TMP120) Poster presented at: The International Stroke Conference; 2018 Jan 24-26. Los Angeles, CA.

Leppert M, Burke JF, Simpson JR, Campbell J. Unreliable Long-term Cost Data Introduces Substantial Uncertainty into Stroke Cost-Effectiveness Models. International Stroke Conference, February 17, 2014.

Leppert M, McConnell B, Finseth T, Simpson JR. Challenge of Diagnosing Neuromyelitis Optica in an Elderly Patient without the Use of MRI. Second Annual Neurohospitalist Society Meeting, September 27, 2014.

Leppert M, Damek D, Palmer L, Ney D. "Depression Screening in Patients with Primary Brain Tumor". Second Annual Neurohospitalist Society Meeting, September 27, 2014.

Oral Presentations

Michelle Leppert, Stefan Sillau, Richard Lindrooth, Sharon Poisson, Jonathan Campbell, Jennifer Simpson. "Relationship Between Early Outpatient Visits and Readmission at 30 and 90 Days in Patients After Acute Ischemic Stroke". International Stroke Conference, Honolulu, HI. February 6th, 2019. (Accepted)

Michelle Leppert. "Cost Effectiveness Evaluation in Stroke". University of Colorado, Department of Neurology 8th Annual Research Retreat. June 6th, 2018.

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TV Appearance

Fox 31 News. Fox 31 Denver. 6 Feb 2015. "Women more susceptible to stroke: Know the Signs". Shaul Turner Reporting. Television.