

CURRICULUM VITAE

Tracy E. Madsen, MD, PhD, FACEP, FAHA

Associate Professor, Division of Sex and Gender, Department of Emergency Medicine
Associate Professor, Department of Epidemiology

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EDUCATION

Undergraduate	Boston University, 2000 - 2004 Bachelor of Arts in Biology, Minor in Psychology, 2004 Summa Cum Laude Phi Beta Kappa College Prize in Biology, Highest G.P.A. of Biology Majors
Medical School	Boston University School of Medicine, 2004 - 2008 Doctor of Medicine, 2008
Graduate	Brown University School of Public Health, 2012 - 2014 Master of Science in Clinical and Translational Research, 2014 Brown University School of Public Health, 2018 - 2021 Doctor of Philosophy in Epidemiology, February 2021
Honorary	Brown University, Master of Arts <i>ad eundem</i> , May 2022

POSTGRADUATE TRAINING

Residency	The Warren Alpert Medical School of Brown University, Emergency Medicine Residency 55 Claverick Street, Providence, RI 2008 - 2012
Chief Resident	The Warren Alpert Medical School of Brown University, Emergency Medicine Residency 55 Claverick Street, Providence, RI 2011 - 2012
Fellowship	The Warren Alpert Medical School of Brown University

55 Claverick Street, Providence, RI
SAEM Research Fellowship/Division of Women's Health in Emergency
Care, Department of Emergency Medicine, 2012 – 2014

POSTGRADUATE HONORS AND AWARDS

The Gregory D. Jay Resident Research Award

The Warren Alpert Medical School of Brown University, Emergency Medicine Residency
June 2012

The Haffenreffer Award for Outstanding House Officer Performance, Service, and Education

The Warren Alpert Medical School of Brown University/ Rhode Island Hospital
June 2012

First Place, Clinical and Translational Research Presentation at Women's Health and Sex Differences Research Scientific Poster Session at the 21st Annual Congress

NIH Office of Research on Women's Health
March 2013

Completion of Society for Academic Emergency Medicine Research Fellowship

Society for Academic Emergency Medicine
June 2014

Academy for Women in Academic Emergency Medicine Early Career Award

Society for Academic Emergency Medicine
May 2017

Best of AHA Specialty Conferences, American Heart Association, [Awarded for being in the top 10 percent of the accepted abstracts presented at the 2017 International Stroke Conference for *Minorities, Women, and Stroke Belters Left Behind in t-PA Use Despite Quality Improvement Efforts*]

February 2017

Fellow of the American College of Emergency Physicians,

American College of Emergency Physicians
October 2017

Best of AHA Specialty Conferences, American Heart Association, [Awarded for being in the top 10 percent of the accepted abstracts presented at the 2018 International Stroke Conference for *Sex Differences in the Effect of Hypertension on Stroke Risk in the REasons for Geographic and Racial Differences in Stroke Study*]

February 2018

Rev. 9.04.23

Loan Repayment Award, National Institutes of Health National Heart, Lung, and Blood Institute, “StoP STRokE: Sex-Specific Prevention of Stroke Through Reproductive Risk factors and sex-hormone Effects”
September 2018

Translational Impact Award, Department of Emergency Medicine, Alpert Medical School of Brown University
December 2018

Dean’s Excellence in Teaching Award, The Warren Alpert Medical School of Brown University
June 2019

Fellow of the American Heart Association, American Heart Association (Stroke Council)
March 2020

Young Investigator Award, Brown Emergency Medicine, December 2020

Loan Repayment Renewal Award, National Institutes of Health National Heart, Lung, and Blood Institute, “StoP STRokE: Sex-Specific Prevention of Stroke Through Reproductive Risk factors and sex-hormone Effects”
July 2021

National Academy of Medicine/ American Board of Emergency Medicine Fellow, August 2021-July 2023.

- Invited guest, Emerging Leaders Forum, National Academy of Medicine, April 11-13, 2022
- Fellow Member, National Academies of Sciences, Engineering, and Medicine Board on Health Care Services
- Fellow Member, National Academies of Sciences, Engineering, and Medicine, Neuroscience Forum
- Fellow Member of Planning Committee, National Academy of Sciences, Engineering, and Medicine, Disparities in CNS Disorders
- Fellow Member, Consensus Study: Unequal Treatment Revisited: The Current State of Racial and Ethnic Disparities in Health Care.

Lifespan Bruce M. Selya Excellence in Research Award, December 2022, Lifespan Corporation/ Rhode Island Hospital/ The Miriam Hospital/ Newport Hospital

Department of Emergency Medicine 2022 Exemplary Service Award, Brown Emergency Medicine, February 10, 2023.

Advancement of Women in Academic Emergency Medicine Award, SAEM 2023, Austin, TX, May 17, 2023.

Research Goes Red Data Challenge Grand Prize Winner, American Heart Association, August, 2023

PROFESSIONAL LICENSURE AND CERTIFICATIONS

2008 - 2012	U.S. Dept. of Homeland Security DMAT
2012 - Present	Rhode Island Medical License
2012 - Present	Emergency Ultrasonography Certification
2013 - Present	Diplomat, American Board of Emergency Medicine (ABEM)
2014 - Present	National Institutes of Health Stroke Scale (NIHSS) Certified

ACADEMIC APPOINTMENTS

2011 - 2012	Clinical Instructor , Department of Emergency Medicine The Warren Alpert Medical School of Brown University
2012 - 2014	Teaching Fellow , Department of Emergency Medicine The Warren Alpert Medical School of Brown University
2014 - Present	Assistant Professor, Department of Emergency Medicine The Warren Alpert Medical School of Brown University
2016 - Present	Associate Director, Division of Sex and Gender in Emergency Medicine Department of Emergency Medicine The Warren Alpert Medical School of Brown University
2017 - Present	Assistant Director, Fellowship in Sex and Gender in Emergency Medicine Department of Emergency Medicine The Warren Alpert Medical School of Brown University
2021 – Present	Associate Professor, Department of Emergency Medicine The Warren Alpert Medical School of Brown University
2021 – Present	Associate Professor, Department of Epidemiology The Brown University School of Public Health

HOSPITAL APPOINTMENTS

2012 - Present	Attending Physician , The Miriam Hospital
2012 - Present	Attending Physician , Rhode Island Hospital

Rev. 9.04.23

- 2018 - 2022 **ED Director of Acute Stroke Services/ Co-Director of RIH Comprehensive Stroke Center**
Department of Emergency Medicine, The Warren Alpert Medical School of Brown University
- 2021 – Present **Director of Clinical Research, Department of Emergency Medicine,**
The Warren Alpert Medical School of Brown University/ Brown Emergency Medicine
- 2022 – Present **Vice Chair of Research, Department of Emergency Medicine,** The
Warren Alpert Medical School of Brown University/ Brown Emergency Medicine

HOSPITAL COMMITTEES

- 2011 - 2012 Quality and Safety Committee, Anderson Emergency Department
Rhode Island Hospital, Providence, RI
- 2015 - 2016 Rhode Island Hospital Emergency Department Patient Experience
Committee
- 2015 - 2017 The Miriam Hospital Restraint Taskforce
- 2015 - Present Rhode Island Hospital Comprehensive Stroke Center Core Team
- 2018 - Present The Miriam Hospital Stroke Committee

UNIVERSITY/ DEPARTMENTAL COMMITTEES

- 2008 - 2012 Member, Wellness Committee, The Warren Alpert Medical School of
Brown University Emergency Medicine Residency
- 2011 - 2012 Member, Resident Advisory Committee
The Warren Alpert Medical School of Brown University Emergency
Medicine Residency
- 2018 - 2019 Invited Member, Salary Equity Task Force, Department of Emergency
Medicine, Alpert Medical School of Brown University
- 2018 - 2019 Invited Member, Promotions and Clinical Hours Task Force, Department
of Emergency Medicine, Alpert Medical School of Brown University
- 2018 - 2020 Founder/ Chair, The Looking Glass Project (Project to Increase Awareness
of and Reduce Implicit Bias), Department of Emergency Medicine, Alpert
Medical School of Brown University

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- 2022 – Present Invited Member, Faculty Evaluation Committee
Department of Emergency Medicine/ Brown Emergency Medicine
- 2022 Invited Member, Compensation Plan Steering Committee
Department of Emergency Medicine/ Brown Emergency Medicine
- 2022 – Present Invited Member, Faculty Development Grant Reviewer
Department of Emergency Medicine/ Brown Emergency Medicine
- 2023 – Present Interview Committee for PhD Candidates, Department of Epidemiology,
Brown University School of Public Health

STATE/ REGIONAL/ NATIONAL APPOINTMENTS / COMMITTEES

- 2015 - Present **Rhode Island Stroke Task Force Member**
Rhode Island Department of Health
- 2020 – 2022 **Hyper/ Acute Care Task Force, Leader of Demographics Disparities
Subgroup**
NIH NINDS Brain Attack Coalition, Inequities in Access and Delivery of
Acute Stroke Care
- 2020 - Present **Stroke Workgroup Member,**
ACEP Emergency Quality Network
- 2021 – Present **StrokeNet Prevention Working Group Member**
NIH NINDS StrokeNet Trial Network
- 2021 – Present **Co-Chair, Stroke/ Venous Thromboembolism Scientific Interest
Group**
NHLBI Women’s Health Initiative
- 2022 – Present **Vice-Chair,** American Heart Association Emergency Neurovascular Care
Committee
- 2022 – Present **Member,** American Heart Association, Cardiovascular Disease & Stroke
in Women & Special Populations Committee of the Council on Clinical
Cardiology
- 2022 – Present **Member,** DEI Advisory Committee for StrokeNet CLARITY Study
- 2022 – Present **Planning Committee Member,** National Academy of Sciences and
Medicine, Addressing Health Disparities in Central Nervous System
Disorders Workshop (from Forum on Neuroscience and Nervous System
Disorders)

2023 – Present **Invited Member**, Planning Committee, International Stroke Conference,
American Heart Association

MEMBERSHIP IN SOCIETIES

- 2004 - 2016 **American Medical Women’s Association**
- National Student Secretary, 2007-2008
 - Resident Division Program Chair, 2010-2012
 - Working Health Women’s Group, 2012-2014
 - Membership Committee, 2010-2014
- 2008 - 2012 **Emergency Medicine Residents’ Association**
- Chair, Research Committee, 2010-2012
 - Member, Research Committee, 2010-2012
- 2008 - Present **Rhode Island Medical Society**
- 2008 - Present **Society for Academic Emergency Medicine**
- Residency and Student Coordinator, 2014 SAEM Consensus Conference
 - Cerebrovascular Group Leader, SAEM 2014 Consensus Conference, Gender-Specific Research in Emergency Care
 - Research Committee, 2014-2017
 - Drafted SAEM response to RFI on NIH-wide Strategic Plan
 - Co-Primary Author, SAEM/ACEP Response to RFI from the Office of Research on Women’s Health on prize to reward efforts to promote gender equity and diversity in the biomedical workforce (NOT-OD-19-141)
 - Chair, Research Equity Taskforce, 2018 - Present
- 2008 - Present **American College of Emergency Physicians**
- Member, American Association of Women Emergency Physicians
- 2009 - Present **Rhode Island Medical Women’s Association**
- Board member, 2010-2017
- 2012 - Present **American Heart Association**
- Emergency Neurovascular Care Committee, 2016 – 2019, 2020 - Present
 - Stroke Professional Education Committee, 2019 - Present
- 2012 - Present **Academy for Women in Academic Emergency Medicine**
- Member, Meeting Initiatives Committee, 2013 - 2015
 - Chair, Meeting Initiatives Committee, 2014 - 2015

- Chair, Research Committee, 2015 - 2017
- Treasurer and Executive Committee member, 2018 - 2019
- President-Elect, May 2019 – May 2020
- President, May 2020 – May 2021
- Immediate Past President, May 2021 – May 2022

2014 - Present **SAEM Neurologic Emergencies Interest Group**

- Chair, 2018-2019

2014 - Present **New England Cerebrovascular Consortium (NECC) Research Committee**

2015 - Present **SAEM Sex and Gender in Emergency Medicine Interest Group**

- Led preparation/submission of SGEM IG Response to Trans-NIH Strategic Plan for Research on Women’s Health, August 2017
- Chair, 2018 - 2020
 - Co-wrote SAEM Statement on Department of Health and Human Services Definition of Sex with ADEIM, AWAEM

2016 - Present **Sex and Gender Women’s Health Collaborative**

- SGWHC Scholarship Committee, Chair, 2016 - 2018
- Co-chair, Poster Committee, 2017 - 2018
- Vice-chair, 2018 - 2019

PUBLICATIONS LIST

PEER-REVIEWED ORIGINAL RESEARCH PUBLICATIONS

1. McGregor AJ, **Madsen T**, Napoli A, Weinstock B, Machan J, and Becker B. Evidence that Gender Effects on Time-to-ECG may be attributable to differences in Atypical Presentations. *Emergency Medicine. 1:102*, 2011 December. doi:10.4172/egm.1000102.
2. Ranney ML, **Madsen T**, Gjelsvik A. Predictors of Being Unsafe: Participation in the Behavioral Risk Factor Surveillance System Intimate Partner Violence Module. *Journal of Interpersonal Violence. 2012 Jan; 27(1): 84-102.*
3. **Madsen TE**, Simmons J, Choo EK, Portelli D, McGregor AJ, and Napoli AM. The DISPARITY Study: Do Gender Differences Exist in Surviving Sepsis Campaign Resuscitation Bundle Completion, Completion of Individual Bundle Elements, or Sepsis Mortality? *Journal of Critical Care. 2014 Jun;29(3):473.e7-11.*
4. **Madsen TE**, Riese A, Choo EK, and Ranney ML. Effects of a Web-based Educational Module on Pediatric Emergency Medicine Physicians’ Knowledge, Attitudes, and Behaviors Regarding Youth Violence. *Western journal of emergency medicine. 2014 Aug;15(5):615-22.*

5. **Madsen TE**, Napoli AM. The DISPARITY-II study: Delays to antibiotic administration in women with severe sepsis or septic shock. *Academic Emergency Medicine*. 2014 Dec;21(12):1499-502.
6. **Madsen TE**, Seigel TA, Mackenzie RS, Marcolini EG, Wira CR, Healy M, Wright DW, and Gentile NT. Gender Differences in Neurological Emergencies Part I: A Consensus Summary and Research Agenda on Cerebrovascular Disease. *Academic Emergency Medicine*. 2014 Dec;21(12):1403-13.
7. **Madsen TE**, Choo EK, Seigel TA, Palms D, and Silver B. Lack of Gender Disparities in Emergency Department Triage of Acute Stroke Patients. *Western Journal of Emergency Medicine*. 2015 Jan;16(1): 203-209.
8. **Madsen TE**, Khoury JC, Alwell KA, Moomaw CJ, Kissela BM, De Los Rios La Rosa F, Woo D, Adeoye O, Flaherty ML, Khatri P, Ferioli S, Kleindorfer D. Analysis of Tissue Plasminogen Activator Eligibility by Sex in the Greater Cincinnati/Northern Kentucky Stroke Study. *Stroke*. 2015 March;46:727-721.
9. **Madsen TE**, Baird KA, Silver B, Gjelsvik A. Analysis of Gender Differences in Knowledge of Stroke Warning Signs. *Journal of Stroke and Cerebrovascular Disease*. 2015 Jul;24(7):1540-7.
10. **Madsen TE**, Sucharew H, Katz B, Alwell KAA, Moomaw CJ, Kissela BM, Flaherty ML, Woo D, Khatri P, Ferioli S, Mackey J, Martini S, De Los Rios La Rosa F, Kleindorfer D. Gender and Time to Arrival among Ischemic Stroke Patients in the Greater Cincinnati/Northern Kentucky Stroke Study. *Journal of Stroke and Cerebrovascular Diseases*. 2016 Mar;25(3):504-10.
11. **Madsen TE**, Khoury J, Cadena R, Adeoye O, Alwell KA, Moomaw CJ, McDonough E, Flaherty ML, Ferioli S, Woo D, Khatri P, Broderick JP, Kissela BM, Kleindorfer D. Potentially Missed Diagnosis of Ischemic Stroke in the Emergency Department in the Greater Cincinnati/Northern Kentucky Stroke Study. *Academic Emergency Medicine*. 2016 Oct; 23(10):1128-1135.
12. **Madsen TE**, McGregor AJ. Training emergency physicians in sex- and gender-based medicine: assessing attitudes of program directors and residency graduates. *Biology of Sex Differences*. 2016 Oct 14;7(Suppl 1):48.
13. **Madsen TE**, Napoli AM. Analysis of Race and Time to Antibiotics Among Patients with Severe Sepsis or Septic Shock. *Journal of Racial and Ethnic Health Disparities*. 2017 Aug;4(4):680-686.
14. **Madsen TE**, Khoury JC, Alwell K, Moomaw CJ, Rademacher E, Flaherty ML, Woo D, Mackey J, De Los Rios La Rosa F, Martini S, Ferioli S, Adeoye O, Khatri P, Broderick JP, Kissela BM, Kleindorfer D. Sex Specific Stroke Incidence Over Time in the Greater Cincinnati Northern Kentucky Stroke Study. *Neurology*. 2017 Sep 5;89(10):990-996.

15. **Madsen TE**, Linden JA, Rounds K, Hsieh YH, Lopez BL, Boatright D, Garg N, Heron SL, Jameson A, Kass D, Lall MD, Melendez AM, Scheulen JJ, Sethuraman KN, Westafer LM, Safdar B. Current Status of Gender and Racial/ Ethnic Disparities Among Academic Emergency Medicine Physicians. *Academic Emergency Medicine*. 2017 Oct;24(10):1182-1192.
16. **Madsen TE**, Roberts ET, Kuczynski H, Goldmann E, Parikh NS, Boden-Albala B. Gender, Social Networks, and Stroke Preparedness in the Stroke Warning Information and Faster Treatment (SWIFT) Study. *Journal of Stroke and Cerebrovascular Disease*. 2017 Dec;26(12):2734-2741.
17. Yaghi S, Chang A, Ricci B, Jayaraman MV, McTaggart RA, Hemendinger M, Narwal P, Dakay P, MacGrory B, Cutting SM, Burton TM, Song C, Mehanna E, Siket M, **Madsen TE**, Reznik M, Merkler AE, Lerario MP, Kemel H, Elkind MSV, Furie KL. Early Elevated Troponin Levels after Ischemic Stroke Suggests a Cardioembolic Source. *Stroke*. 2018 Jan;49(1):121-126.
18. **Madsen TE**, McLean S, Zhai W, Linnstaedt S, Kurz MC, Swor R, Hendry P, Peak D, Lewandowski C, Pearson C, O'Neil B, Datner E, Lee D, Beaudoin F. Gender Differences in Pain Experience and Treatment after Motor Vehicle Collisions: A Secondary Analysis of the CRASH Study. *Journal of Clinical Therapeutics*. 2018 Feb;40(2):204-213.
19. **Madsen TE**, Khoury JC, Alwell KA, Moomaw CJ, Demel SL, Flaherty ML, Woo D, Mackey J, De Los Rios La Rosa F, Martini S, Ferioli S, Adeoye O, Khatri P, Kissela BM, Kleindorfer D. Sex Differences in Cardiovascular Risk Profiles of Ischemic Stroke Patients with Diabetes in the Greater Cincinnati/ Northern Kentucky Stroke Study. *J Diabetes*. 2018 June;10(6):496-501.
20. Bostom A, Pasch A, **Madsen TE**, Roberts MB, Franceschini N, Steubl D, Garimella PS, Ix JH, Tuttle KR, Ivanova A, Shireman T, Gohh R, Merhi B, Jarolim P, Kusek JW, Pfeffer MA, Liu S, Eaton CB. Serum Calcification Propensity and Fetuin-A: Biomarkers of Cardiovascular Disease in Kidney Transplant Recipients. *American Journal of Nephrology*. 2018 July;48(1):21-31.
21. James B, Chang AD, McTaggart RA, Hemendinger M, MacGrory B, Cutting SM, Burton TM, Reznik ME, Thompson B, Wendell L, Mahta A, Siket M, **Madsen TE**, Sheth KN, Nouh A, Furie KL, Jayaraman MV, Khatri P, Yaghi S. Predictors of symptomatic intracranial haemorrhage in patients with an ischaemic stroke with neurological deterioration after intravenous thrombolysis. *Journal of Neurology, Neurosurgery, and Psychiatry*. 2018 Aug;89(8): 866-869.
22. Wira C, **Madsen TE**, Chang BP, Nomura JT, Marcolini E, Gentile NT, Schreyer KE, Merck LH, Siket M, Greenberg K, Zammit CG, Jauch EC, Bellolio MF. Is there a Neurologist in the House? A Summary of the Current State of Neurovascular Rotations for Emergency Medicine Residents. *AEM Educ Train*. 2018 Nov; 2(Suppl Suppl 1): S56-S67.

23. Howard VJ, **Madsen TE**, Kleindorfer DO, Judd SE, Rhodes D, Soliman EZ, Kissela BM, Safford MM, Moy CS, McClure LA, Howard G, Cushman M. Sex and Race Differences in Incident Ischemic Stroke and Risk Factors. *JAMA Neurology*. 2019 Feb;76(2):179-186.
24. **Madsen TE**, DeCroce-Movson E, Hemendinger M, McTaggart RA, Yaghi S, Cutting S, Furie KL, Saad A, Siket MS, Jayaraman MV. Sex Differences in 90-day Outcomes after Mechanical Thrombectomy for Acute Ischemic Stroke. *Journal of Neurointerventional Surgery*. 2019 Mar;11(3): 221-225.
25. **Madsen TE**, Heron SL, Rounds K, Kass D, Lall M, Sethuraman KN, Azrbelaez C, Blomkalns A, Safdar B. Making Promotion Count: The Gender Perspective, On Behalf of the Society for Academic Emergency Medicine Equity Research Taskforce. *Acad Emerg Med*. 2019 Mar;26(3): 335-338.
26. Narwal P, Chang AD, Grory BM, Jayaraman M, **Madsen T**, et al. The Addition of Atrial Fibrillation to the Los Angeles Motor Scale May Improve Prediction of Large Vessel Occlusion. *J Neuroimaging*. 2019 Jul;29(4): 463-466.
27. **Madsen TE**, Khoury JC, Alwell A, Moomaw CJ, Rademacher E, Flaherty ML, Woo D, Mackey J, De Los Rios La Rosa F, Martini S, Ferioli S, Adeoye O, Khatri P, Broderick JP, Kissela BM, Kleindorfer D. Temporal Trends of Sex Differences in Transient Ischemic Attack Incidence Within A Population. *Journal of Stroke and Cerebrovascular Disease*. 2019 Sep; 28(9): 2468-2474.
28. **Madsen TE**, Howard G, Kleindorfer DO, Furie KL, Oparil S, Manson JE, Liu S, Howard VJ. Sex Differences in Hypertension and Stroke Risk in the REasons for Geographic and Racial Differences in Stroke Study: A Longitudinal Cohort Study. *Hypertension*. 2019 Oct; 74(4): 749-755.
29. Lo K, Liu Q, **Madsen TE**, Rapp S, Chen J, Neuhaus M, Shadyab AH, Pal L, Lin X, Shumaker S, Manson JE, Liu S. Relations of magnesium intake to cognitive impairment and dementia among participants in the Women's Health Initiative Memory Study: a prospective cohort study. *BMJ Open*. 2019 Nov; 9(11): e030052.
30. Wira CR, Melluzzo S, Beasley TM, Magdon-Ismail Z, Day D, **Madsen TE**, McGullough LD, Stein J, Schwamm LH, Gropen T. Stroke Center Certification and Performance: A Longitudinal Analysis of the Northeast Cerebrovascular Consortium Region. *Yale Journal of Biology and Medicine*. 2019 Dec; 92(4): 587-596.
31. Barron R, Jarman A, Kamine T, **Madsen T**, McGregor AJ. Impact of a Novel Sex- and Gender-Based Medicine Preclinical Elective. *Rhode Island Medical Journal*. 2019 Dec; 102(10): 48-51.
32. Jayaraman JV, Hemendinger ML, Baird GL, Yaghi S, Cutting S, Saad A, Siket M, **Madsen TE**, Williams K, Rhodes J, Haas RA, Furie KL, McTaggart RA. Field triage for endovascular

stroke therapy: a population-based comparison. *Journal of Neurointerventional Surgery*. 2020 Mar;12(3):233-239.

33. **Madsen TE**, Luo X, Huang M, Park KE, Stefanick ML, Manson JE, Liu S. Circulating SHBG (Sex Hormone-Binding Globulin) an Risk of Ischemic Stroke: Findings from the WHI. *Stroke*. 2020 April; 51(4):1257-1264.

34. **Madsen TE** , Khoury JC, Leppert L, Alwell K, Moomaw CJ, Sucharew H, Woo D, Ferioli S, Martini S, Adeoye O, Khatri P, Flaherty M, De Los Rios La Rosa F, Mackey J, Mistry E, Demel SL, Coleman E, Jasne A, Slavin SJ, Walsh K, Star M, Broderick JP, Kissela BM, Kleindorfer DO. Temporal Trends in Stroke Incidence Over Time by Sex and Age in the GCNKSS. *Stroke*. 2020 April;51(4):1070-1076.

35. Gordon RD, Kwon N, Levy PD, **Madsen TE**, Greenberg MR. Evaluating the Diversity of Emergency Medicine Foundation (EMF) Grant Recipients in the Last Decade. *Western Journal of Emergency Medicine*. 2020 April; 21(3):595-599.

36. Salwi S, Cutting S, Salgado AD, Espaillat K, Fusco MR, Froehler MT, Chitale RV, Kirshner H, Schrag M, Jasne A, Burton T, MacGrory B, Saad A, Jayaraman MV, **Madsen TE**, Dakay K, McTaggart R, Yaghi S, Khatri P, Mistry A. Mechanical Thrombectomy in Patients with Ischemic Stroke with Pre-stroke Disability. *Stroke*. 2020 May;51(5):1539-1545.

37. Salwi S, Cutting S, Salgado AD, Espaillat E, Fusco MR, Froehler MT, Chitale RV, Kirshner H, Schrag M, Jasne A, Burton T, MacGrory B, Saad A, Jayaraman MV, **Madsen TE**, Dakay KD, McTaggart R, Yaghi S, Khatri P, Mistry AM, Mistry EA. Mechanical Thrombectomy in Ischemic Stroke Patients with Severe Pre-stroke Disability. *Journal of Stroke and Cerebrovascular Disease*. 2020 Aug; 29(8):104952.

38. Reznik R, Moody S, Murray K, Costa S, MacGrory B, **Madsen T**, Mahta A, Wendell L, Thompson B, Rao S, Stretz C, Sheth K, Hwang D, Zahuranec D, Schrag M, Daiello L, Asaad W, Jones R, Furie K. The Impact of Delirium on Withdrawal of Life-Sustaining Treatment after Intracerebral Hemorrhage. *Neurology*. 2020 Nov;95(20):e2727-e2735.

39. Reznik ME, Fakhri N, Moody S, Murray K, Costa S, Yaghi S, Schrag M, **Madsen TE**, Burton TM, Cutting S, Mahta A, Wendell LC, Thompson BB, Rao SS, Stretz C, Furie KL, MacGrory B. Arrival blood pressure in hypertensive and non-hypertensive spontaneous intracerebral hemorrhage. *Journal of the Neurological Sciences*. 2020 Sep;416:117000.

40. Lall MD, Perman SM, Garg N, Kohn N, Whyte K, Glps A, **Madsen T**, Baren JM, Linden J. Intention to Leave Emergency Medicine: Mid-Career Women are at Increased Risk. *Western Journal of Emergency Medicine*. 2020 Aug;21(5):1131-1139.

41. Leppert M, Ho PM, Burke J, **Madsen T**, Kleindorfer D, Sillau S, Daugherty S, Bradley C, Poisson S. Young Women Had More Strokes Than Young Men in a Large, United States Claims Sample. *Stroke*. 2020 Nov;51(11):3352-3355.

42. Sharma M, Lioutas V, **Madsen T**, Clark J, O’Sullivan J, Elkind MS, Willey JZ, Marshal RS, Selim MH, Greer D, Tirschwell DL, Burton TM, Boehme A, Aparicio H. Decline in stroke alerts and hospitalizations during the COVID-19 pandemic. *Stroke and Vascular Neurology*. 2020 Dec;5(4):403-405.
43. Chou EL, Pettinger M, Haring B, Allison MA, Mell MW, Hlatky MA, Wactawski-Wende J, Wild RA, Shadyab AH, Wallace RB, Snetselaar LG, **Madsen TE**, Eagleton MJ, Conrad MF, Liu S. Association of Premature Menopause with Risk of Abdominal Aortic Aneurysm in the WHI. *Annals of Surgery*. 2020; Nov 4, online ahead of print.
44. Han E, Chuck C, Martin T, **Madsen T**, Claassen J, Reznik M. Statewide Emergency Medical Services Protocols for Status Epilepticus Management. *Annals of Neurology*. 2021 Mar; 89: 604-609.
45. Mac Grory B, Landman SR, Zeigler PD, Boisvert CJ, Flood SP, Stretz C, **Madsen TE**, Reznik ME, Cutting S, Moore EE, Hewitt H, Closser JB, Torres J, Lavin P, Furie K, Xian Y, Feng W, Biousse V, Schrag M, Yaghi S. The Detection of Atrial Fibrillation After Central Retinal Artery Occlusion. *Stroke* [Epub ahead of print, June 7, 2021].
46. **Madsen TE**, Long DL, Carson AP, Howard G, Kleindorfer DO, Furie KL, Manson JE, Liu S, Howard VJ. Sex and Race Differences in the Risk of Ischemic Stroke Associated with Fasting Blood Glucose in REGARDS. *Neurology* [Epub ahead of print, May 27, 2021].
47. Chuck C, Kim D, Kalagara R, Rex N, **Madsen TE**, Mahmoud L, Thompson BB, Jones RN, Furie KL, and Reznik M. Modeling the Clinical Implications of Andexanet Alfa in Factor Xa Inhibitor–Associated Intracerebral Hemorrhage. *Neurology*. 2021 Nov; 97: e2054-e2064.
48. Tong I, Griffin B, Trott J, Romano M, Stein AB, **Madsen TE**. The Proportion of Women Authors and the Inclusion of Sex and Gender Content Among the American College of Cardiology Clinical Practice Guidelines, 2008-2018. *Journal of Women’s Health*. 2021 Nov; 30: 1616-1625.
49. Doelfel SR, Kalagara R, Han EJ, Chuck CC, Dandapani H, Stretz C, Mahta A, Wendell LC, Thompson BB, Yaghi S, Furie KL, **Madsen TE**, Reznik ME. Gender Disparities in Stroke Code Activations in Patients with Intracerebral Hemorrhage. *Journal of Stroke and Cerebrovascular Disease*. 2021 Dec; 30: 106119.
50. Chuck CC, Martin TJ, Kalagara R, **Madsen TE**, Furie KL, Yaghi S, Reznik ME. Statewide Emergency Medical Services Protocols for Suspected Stroke and Large Vessel Occlusion. *JAMA Neurology*. 2021 Nov; 78: 1404-1406.
51. Li J, Yang Q, An R, Sesso HD, Zhong VW, Chan KHK, **Madsen TE**, Papandonatos GD, Zheng T, Wu W, Song Y, Yu X, Liu S. Famine and trajectories of body mass index, waist circumference, and blood pressure in two generations: results from the China Health and Nutrition Survey (CHNS) from 1993-2015. *Hypertension*. 2022 Mar; 79: 518-531.

52. Bhattacharya R, Zekavat SM, Haessler J, Fornage M, Raffield L, Uddin M, Bick AG, Niroula A, Gibson C, Griffin G, Morrison A, Psaty B, Longstreth W, Bis J, Rich S, Rotter J, Correa A, Seshadri S, Johnson A, Collins J, Hayden K, **Madsen TE**, Ballantyne C, Jaiswal S, Ebert BL, Kooperberg C, Manson JE, Whitsel EA, Natarajan P, Reiner AP. Clonal hematopoiesis is associated with higher risk of stroke. *Stroke*. 2022 Mar; 53: 788-797.
53. Leppert MH, Burke JF, Lisabeth LD, **Madsen TE**, Kleindorfer DO, Sillau S, Schwamm LH, Daugherty SL, Bradley CJ, Ho PM, Poisson SN. Systematic Review of Sex Differences in Ischemic Strokes Among Young Adults- Are Young Women Disproportionately at Risk? *Stroke*. 2022 Feb; 53: 319-327.
54. Baker AD, Schwamm LH, Sanborn DY, Furie K...**Madsen T**, et al. Acute Ischemic Stroke, Depressed Left Ventricular Ejection Fraction, and Sinus Rhythm: Prevalence and Practice Patterns. *Stroke*. 2022 Jun; 53: 1883-1891.
55. **Madsen TE**, Heron S, Lall MD, et al. Institutional Solutions Addressing Disparities in Compensation and Advancement of Emergency Medicine Physicians: A Critical Appraisal of Gaps and Associated Recommendations. *Academic Emergency Medicine*. [Online ahead of print, January 22, 2022].
56. Rexrode KM, **Madsen TE**, Yu AYZ, Carcel C, Lichtman JH, Miller EC. The Impact of Sex and Gender on Stroke. *Circulation Research*. 2022 Feb; 130: 512-528.
57. Zachrison K, Ganti L, Sharma D, Goyal P, Decker-Palmer M, Adeoye O, Goldstein JN, Jauch EC, Lo BM, **Madsen TE**, Meurer W, Oostema JA, Mendez-Hernandez C, Venkatesh AK. A Survey of Stroke-Related Capabilities Among a Sample of US Community Emergency Departments. *JACEP Open*. 2022 Jul 22;3(4):e12762.
58. **Madsen TE**, Samaei M, Pikula A, Yu AYZ, Carcel C, Millsaps E, Yalamanchili RS, Bencie N, Dula AN, Leppert M, Rundek T, Dreyer RP, Bushnell C. Sex Differences in Physical Activity and Incident Stroke: A Systematic Review. *Clinical Therapeutics*. 2022 Apr; 44:586-611.
59. Shufflebarger EF, Walter LA, Gropen TI, **Madsen TE**, Harrigan MR, Lazar RM, Bice J, Baldwin CS, Lyerly MJ. Educational intervention in the Emergency Department to Address Disparities in Stroke Knowledge. *Journal of Stroke and Cerebrovascular Diseases*. 2022 June; 31:106424.
60. Linden JA, Baird J, Rounds K, Lin M, **Madsen TE**, Lall MD, Raukar NP, Fang A, Sethuraman K, Dobiesz VA. Diversity of Leadership in Academic Emergency Medicine: Are We Making Progress? *American Journal of Emergency Medicine*. 2022 Jul; 57:6-13.
61. **Madsen TE**, Cummings OW, De Los Rios La Rosa F, Khoury JC, Alwell K, Woo D, Ferioli S, Martini S, Adeoye O, Khatri P, Flaherty ML, Mackey J, Mistry EA, Demel SL, Coleman E, Jasne AS, Slavin SJ, Walsh K, Star M, Broderick JP, Kissela BM, Kleindorfer DO. Substance Use and Performance of Toxicology Screens in the Greater Cincinnati Northern Kentucky Stroke Study. *Stroke*. 2022 Oct;53(10):3082-3090.

62. Jayaraman M, Baird GL, Ouediat K, Paolucci G, Haas RA, Torabi R, Moldovan K, Rhodes J, Potvin J, Alexander-Scott N, Yaghi S, **Madsen TE**, Furie KL, McTaggart RA. Long-term Effect of Field Triage on Times to Endovascular Treatment for Emergency Large Vessel Occlusion. *Journal of NeuroInterventional Surgery*. 2023 Sep;15(e1):e86-e92.
63. Griffin BL, Bolch, CA, Bourjeily G, **Madsen TE**, Hasnain M, McGregor AJ, Merhi BO, Pratt-Chapman ML, Romano M, Trott J, Tong I. Hypertension: Are current guidelines inclusive of sex and gender? *Journal of Women's Health*. 2022 Oct;31(10):1391-1396.
64. Reilly AS, Khawaja AM, Ali AB, **Madsen T**, Molino-Bacic J, Heffernan DS, Zonfrillo MR, Vaitkevicius H, Gormley WB, Izzy S, Rao SS. Disparities in Decompressive Cranial Surgery Utilization in Severe Traumatic Brain Injury Patients without a Primary Extra-Axial Hematoma: A U.S. Nationwide Study. *World Neurosurg*. 2023 Jan;169:e16-e28.
65. Li J, Zheng L, Chan KHK, Zou X, Zhang J, Liu J, Zhong Q, **Madsen TE**, Wu W, Manson JE, Yu X, Liu S. Sex Hormone-Binding Globulin and Risk of Coronary Heart Disease in Men and Women. *Clinical Chemistry*, 2023 Apr 3;69(4):374-385.
66. Ridha M, Flaherty ML, Aziz Y, Ades L, Alwell K, Khoury JC, Woo D, Ferioli S, Adeoye O, Khatri P, De Los Rios La Rosa F, Mistry EA, Demel SL, Mackey J, Martini S, Coleman E, Jasne A, Slavin S, Walsh K, Star M, Haverbusch M, **Madsen TE**, Broderick JP, Kissela B, Kleindorfer DO. Changing Trends in Demographics, Risk Factors, and Clinical Features of Patients With Infective Endocarditis-Related Stroke, 2005-2015. *Neurology*. 2023 Apr 11;100(15):e1555-e1564.
67. Zachrison KS, Goldstein JN, Jauch E, Radecki RP, **Madsen TE**, Adeoye O, Oostema JA, Feeser VR, Ganti L, Lo BM, Meurer W, Corral M, Rothenberg C, Chaturvedi A, Goyal P, Venkatesh AK. Clinical Performance Measures for Emergency Department Care for Adults With Intracranial Hemorrhage. *Ann Emerg Med*. 2023 Sep;82(3):258-269.
68. Gettel CJ, Courtney DM, Agrawal P, **Madsen TE**, Rothenberg C, Mills AM, Lall MD, Keim SM, Kraus CK, Ranney ML, Venkatesh AK. Emergency medicine physician workforce attrition differences by age and gender. *Acad Emerg Med*. 2023 Jun 14. doi: 10.1111/acem.14764. Epub ahead of print. PMID: 37313983.
69. Fraser H, Crossland D, Bacher I, Ranney M, **Madsen T**, Hilliard R. Comparison of Diagnostic and Triage Accuracy of Ada Health and WebMD Symptom Checkers, ChatGPT, and Physicians for Patients in an Emergency Department: Clinical Data Analysis Study. *JMIR Mhealth Uhealth*. 2023 Oct 3;11:e49995. doi: 10.2196/49995. PMID: 37788063.
70. **Madsen TE**, Ding L, Khoury JC, Alwell K, Moomaw CJ, Woo D, Ferioli S, Martini S, De Los Rios La Rosa F, Adeoye O, Khatri P, Flaherty ML, Mackey J, Mistry EA, Demel SL, Coleman E, Jasne AS, Slavin SJ, Walsh K, Star M, Broderick JP, Kissela BM, Kleindorfer DO. Trends over Time in Stroke Incidence by Race in the Greater Cincinnati Northern Kentucky Stroke Study. *Neurology*, [Accepted for publication, October 16, 2023].

PEER-REVIEWED EDITORIALS, REVIEWS, SCIENTIFIC STATEMENTS

1. McGregor AJ, **Madsen TE**, and Clyne B. Foundations for a Novel Emergency Medicine Subspecialty: Sex, Gender, and Women's Health. *Academic Emergency Medicine*. 2014 Dec;21(12):1469-77.
2. Miller JB, Heitsch L, Siket MS, Schrock JW, Wira CR 3rd, Lewandowski C, **Madsen TE**, Merck LH, Wright DW; SAEM Neurologic Emergencies Interest Group Writing Group. The Emergency Medicine Debate on tPA for Stroke: What Is Best for Our Patients? Efficacy in the First Three Hours. *Academic Emergency Medicine*. 2015 Jul;22(7):852-5.
3. **Madsen TE** and Napoli AM. Factors Associated with Progression to Septic Shock: Why Gender? *Critical Care Medicine*. 2015 Aug;43(8):e319.
4. Miller J, Merck LH, Wira CR, Meurer WJ, Schrock JW, Nomura JT, Siket MS, **Madsen TE**, Wright DW, Panagos PD, Lewandowski C. The Advanced Reperfusion Era: Implications for Emergency Systems of Ischemic Stroke Care. *Annals of Emergency Medicine*. 2017 Feb;69(2):192-201.
5. **Madsen TE**, Lisabeth L. Identifying Strategies to Reduce Poor Outcomes in Women with Stroke. *Circ Cardiovascular Quality Outcomes*. 2017 Feb; 10(2):e003546.
6. **Madsen TE**, Bourjeily G, Hasnain M, Jenkins M, Morrison MF, Sandberg K, Tong IL, Trott J, Werbinski JL, McGregor AJ. Sex and Gender Based Medicine: The Need for Precise Terminology. *Gender and the genome*. 2017 September;1(3): 122-128.
<https://journals.sagepub.com/doi/pdf/10.1089/gg.2017.0005>.
7. **Madsen TE**, Chaturvedi S. Letter by Madsen and Chaturvedi re: "Migrane and Cerebrovascular Atherosclerosis in Patients with Ischemic Stroke." *Stroke*. 2017 Dec;48(12):e362.
8. Chang BP, Wira C, Miller J, Akhter M, Barth BE, Willey J, Nentwich L, **Madsen T**. Neurology Concepts: Young Women and Ischemic Stroke: Evaluation and Management in the Emergency Department. *Academic Emergency Medicine*, 2018 Jan;25(1):54-64.
9. **Madsen TE**, Howard VJ, Jimenez M, Rexrode KM, Acelajado MC, Kleindorfer D, Chaturvedi S. Impact of Conventional Stroke Risk Factors on Stroke in Women: An Update. *Stroke*. 2018 March;49(3):536-542.
10. Gall S, Phan H, **Madsen TE**, Reeves M, Rist P, Jimenez M, Lichtman J, Doug L, Lisabeth LD. Focused update of sex differences in patient reported outcome measures (PROMs) after stroke. *Stroke*. 2018 March;49(3):531-535.

11. **Madsen TE**, Khoury J, Sucharew H, Kleindorfer D. Author response: Sex-specific stroke incidence over time in the Greater Cincinnati/ Northern Kentucky Stroke Study. *Neurology*. 2018 March;90(13):626.
12. Bushnell C, Howard VJ, Lisabeth L, Caso V, Gall S, Kleindorfer D, Chaturvedi S, **Madsen TE**, Demel SL, Lee SJ, Reeves M. Sex differences in the evaluation and treatment of acute ischaemic stroke. *The Lancet Neurology*. 2018 July;17:641-50.
13. Jarman AF, McGregor AM, Moll JL, **Madsen TE**, Samuels EA, Chesis M, Becker BM. Looking Through the Prism: Comprehensive Care of Sexual Minority and Gender-nonconforming Patients in the Acute Care Setting. *Academic Emergency Medicine Education and Training*. 2018 Oct; 2(Supplement 1): S82-S84.
14. Bushnell CD, Chaturvedi S, Gage KR, Herson PS, Hurn PD, Jimenez MC, Kittner SJ, **Madsen TE**, McCullough LD, McDermott M, Reeves MJ, Rundek T; PROWESS group. Sex Differences in stroke: Challenges and opportunities. *Journal of Cerebral Blood Flow and Metabolism*. 2018 Dec; 38(12): 2179-2191.
15. Miller J, Heitsch L, **Madsen TE**, Oostema J, Reeves M, Zammit CG, Siket M, Sabagha N, Lewandowski C, Schrock JW. The Extended Treatment Window's Impact on Emergency Systems of Care for Acute Stroke. *Academic Emergency Medicine, Acad Emerg Med*. 2019 July; 26(7): 744-751.
16. **Madsen TE**, Wira CR. The Future of Minor Stroke and Transient Ischemic Attack: The RAVEN Approach is Promising but Not Ready for Prime Time. *Annals of Emergency Medicine* 2019 October; 74(4): 572-574.
17. Agrawal P, **Madsen TE**, Lall M, Zedian A. Gender Disparities in Academic Emergency Medicine: Strategies for the Recruitment, Retention, and Promotion of Women. *Academic Emergency Medicine Education and Training*. 2019 Dec 12;4(Suppl 1):S67-S74.
18. Wolfe J, Safdar B, Sethuraman KN, Greenberg MR, **Madsen TE**, Jarman AF, McGregor AJ. Engaging Emergency Medicine Influencers in Sex- and Gender-based Medicine: Lessons Learned from the Sex and Gender Interest Group in Emergency Medicine and the SAEM Jeopardy Game. *Academic Emergency Medicine Education and Training*. 2019 Dec 1;4(2):161-165.
19. **Madsen TE**, Dobiesz V, Das D, Sethuraman K, Agrawal P, Zeidan A, Goldberg E, Safdar B, Lall MD. Unique Risks and Solutions for Equitable Advancement during the Covid-19 Pandemic: Early Experience from Frontline Physicians in Academic Medicine. *NEJM Catalyst*. [Published online, July 2020.]
20. **Madsen TE**, Guo D. Sex Differences in Modifiable Stroke Risk Factors: The Next Step in Personalized Stroke Prevention. *Neurology*. 2020 Nov 17;95(20):891-892.

21. Wolfe J, Safdar B, **Madsen TE**, Sethuraman KN, Becker B, Greenberg MR, McGregor AJ. Sex- or gender-specific differences in the clinical presentation, outcome, and treatment of Sars-Cov2. *Clinical Therapeutics*. [Published online January 16, 2021.]
22. Havenon A, Sheth KN, **Madsen TE** et al. Cilostazol for Secondary Stroke Prevention: History, Evidence, Limitations, and Possibilities. *Stroke* 2021 Oct;52(10):e635-e645.
23. **Madsen TE**, Hobgood C. The Role of Women's Consortia in the Advancement of Women in Academic Emergency Medicine. *Academic Emergency Medicine*. 2021 Dec; 28: 1480-1482.
24. Nobleza, COS, Inoa V, Mittal S, Zachrison KS, **Madsen TE**. Impact of a Pandemic on Early Career Women. *Stroke*. 2022 Feb; 53: e56-e59.
25. **Madsen TE**. Evidence for Decreasing Stroke Incidence Among Mexican Americans During Mid-Life and Implications for Targeted Stroke Prevention Efforts. *Neurology*. 2021 Nov; 97: 1013-1014.
26. Skoog I, **Madsen TE**. Risk of Recurrent Stroke: The Critical Need for Continued Efforts in Secondary Prevention. *Neurology*. 2021; [Online ahead of print, November 29, 2021].
27. **Madsen TE**, de Havenon A. Advancing Secondary Stroke Prevention Strategies: Optimal Timing of Dual Antiplatelet Therapy with Cilostazol. *Neurology*. 2022 Mar; 98:387-388.
28. **Madsen TE**, Hamilton RH. Racial and Gender-Based Disparities in IV-Alteplase Declination: Looking for Barriers and Biases When Patients Say No. *Neurology*. 2022 Apr; 98: 647-648.
29. Kleindorfer DO, **Madsen TE**. Imaging Biomarkers to Predict Ischemic Stroke: The Future of Clinical Risk Prediction? *JACC: Cardiovascular Imaging*. 2022 Jul;15(7):1289-1290.
30. Jarman A, Hobgood C, **Madsen TE**. Moving Beyond Gender Disparities: A Call to Action for Gender Parity and Equity. *Annals of Emergency Medicine*. 2022 Jul;80(1):65-67.
31. Jarman AF, Safdar B, **Madsen TE**, Kane BG, McGregor AJ. Incorporating Sex and Gender-Based Medicine into Journal Club. *European Journal of Emergency Medicine*. 2022 Dec 1;29(6):393-394.
32. **Madsen TE**. Persistent Disparities in Recurrent Ischemic Stroke by Race and Geography in the US Medicare Fee-for-Service Population. *Stroke*. 2022 Nov;53(11):3348-3349.
33. **Madsen TE**, Malek AM, Lo WD. Temporal Trends in Stroke Hospitalizations, Treatment Modalities, and Mortality: Are We Doing Enough? *Neurology*. [Accepted for publication, September 7, 2022].
34. Amin HP, (Chair), **Madsen TE (Vice-Chair)**, Bravata DM, Wira CR, Johnston SC, Ashcraft S, Burrus TM, Panagos PD, Wintermark M, Esenwa C; on behalf of the American Heart

Association Emergency Neurovascular Care Committee of the Stroke Council and Council on Peripheral Vascular Disease. Diagnosis, Workup, Risk Reduction of Transient Ischemic Attack in the Emergency Department Setting: A Scientific Statement from the American Heart Association. *Stroke*. 2023 Mar;54(3):e109-e121.

35. Samuels-Kalow ME, Agrawal P, Rodriguez G, Zeidan A, Love JS, Monette D, Lin M, Cooper RJ, **Madsen TE**, Dobiesz V. Post-Roe Emergency Medicine: Policy, clinical, training, and individual implications for emergency clinicians. *Acad Emerg Med*. 2022 Oct 21. doi: 10.1111/acem.14609. Epub ahead of print. PMID: 36268814.

36. Zachrison KS, Nielsen VM, Perez de la Ossa, **Madsen TE**, Cash RE, Crowe RP, Odom EC, Jauch EC, Adeoye OM, Richards CT. Prehospital Stroke Care Part 1: Emergency Medical Services and the Stroke Systems of Care. *Stroke*. Apr;54(4):1138-1147.

37. **Madsen TE**, Rexrode KM. Considering the Use of Female Hormone Therapy in Women with Cerebral Cavernous Malformations: An Editorial. *Neurology*. 2023 Apr 18;100(16):744-745.

38. Karb R, **Madsen TE**. Social Determinants of Health and Stroke Mortality: Contextual or Compositional Effects? *Neurology*, 2023 Aug 1;101(5):195-196.

39. **Madsen TE**, Sobel T, Negash S, Shrouf Allen T, Stefanick ML, Manson JE, Allison M. A Review of Hormone and Non-Hormonal Therapy Options for the Treatment of Menopause. *Int J Womens Health*. 2023. May 25;15:825-836.

40. **Madsen TE**, Liu S. Amino Acid Neurotransmitters and Prognosis After Stroke: Nutrition as a Modifiable Factor to Improve Stroke Outcomes. *Am J Clin Nutr*. 2023 Oct;118(4):737-738.

41. Royan R, **Madsen TE**. Simulating Equity for Stroke Outcomes: How Much Do We Stand to Gain from Reduction of Disparities Due to Socioeconomic Status? *Neurology*. [Accepted for publication, September 2023].

BOOKS AND BOOK CHAPTERS

1. **Madsen T**. “Migraine.” In *Five Minute Clinical Consult*, 2010-2012 editions. Philadelphia, PA: Lippincott, Williams, and Wilkins. ISBN: 1-60831-259-3.

2. **Madsen, T.** and Tran, Q. “Chapter 17: Composing an Abstract and Presenting a Poster.” In: Geyer, BC and Goldberg (Eds) *Emergency Medicine Research Handbook for Residents and Medical Students*. 2012. Irving, TX: Emergency Medicine Residents’ Association. ISBN: 1-929854-25-7.

3. **Madsen, T.** “Chapter 13: Conducting a Chart Review.” In: Geyer, BC and Goldberg (Eds) *Emergency Medicine Research Handbook for Residents and Medical Students*. 2012. Irving, TX: Emergency Medicine Residents’ Association. ISBN: 1-929854-25-7.

4. **Madsen, T.**, Furie, K. “Chapter 8: Gender Differences in Cerebrovascular Emergencies.” In McGregor, A.J., Choo, E.K., and Becker, B. (Eds) *Sex and Gender in Acute Care Medicine*. 2016. New York, NY: Cambridge University Press. ISBN 978-1-107-66816-4.

SCHOLARLY WORK PUBLISHED IN OTHER MEDIA

1. **Madsen T**, Tran Q. EMRA Research Committee series part 5: Submitting an abstract and presenting a poster. *EM Resident*, October/November 2010, Volume 37, Issue 5, 44-45.
2. **Madsen T**. EMRA Resident Research Series: Hyperoxia After Cardiac Arrest May Worsen Outcomes. *EM Resident*, June/July 2011, Volume 38, Issue 3, 28-29.
3. **Madsen T**, McGregor A. In This Case: Assessing the Altered Mental Status of an Elderly Patient. Sex and Gender Women’s Health Collaborative 2012. <http://sgwhc.org/professional-education/case-studies/>.
4. **Madsen T**, McGregor A. In This Case: Assessing Neurologic Symptoms. Sex and Gender Women’s Health Collaborative 2012. <http://sgwhc.org/professional-education/case-studies/>.
5. **Madsen T**, McGregor A. In This Case: Sex Differences in Sexually Transmitted Infections. Sex and Gender Women’s Health Collaborative 2013. <http://sgwhc.org/professional-education/case-studies/>.
6. **Madsen T**, McGregor A. Sex Differences in Pain. Sex and Gender Women’s Health Collaborative 2013. <http://sgwhc.org/professional-education/case-studies/>.
7. **Madsen T**, McGregor A. Sex Differences in Sepsis. Sex and Gender Women’s Health Collaborative 2013. <http://sgwhc.org/professional-education/case-studies/>.
8. **Madsen TE**, Walter L, McGregor AJ. Sex and Gender Differences in the Treatment of Acute Conditions. *Critical Decisions in Emergency Medicine*. March 2018; 32(3):15-24.

MEDIA MENTIONS/ PODCASTS/ INTERVIEWS

1. New York Times. Stroke Risk Declining in Men but Not Women. August 9, 2017. <https://www.nytimes.com/2017/08/09/well/mind/stroke-risk-declining-in-men-but-not-women.html>
2. Providence Journal. Women suffer from disparities in stroke prevention, treatment. February 27, 2018. [url:http://www.providencejournal.com/news/20180227/women-suffer-from-disparities-in-stroke-prevention-treatment-says-brown-researcher](http://www.providencejournal.com/news/20180227/women-suffer-from-disparities-in-stroke-prevention-treatment-says-brown-researcher)

3. Good Morning America. Strokes on the decline in men but not women, study finds. August 9, 2017. [url:https://abcnews.go.com/Health/strokes-decline-men-women-study-finds/story?id=49119132](https://abcnews.go.com/Health/strokes-decline-men-women-study-finds/story?id=49119132)
4. Health Day. Stroke Rates Drop for U.S. Men, but not Women. August 9, 2017. [url:https://consumer.healthday.com/cardiovascular-health-information-20/misc-stroke-related-heart-news-360/stroke-rates-drop-for-u-s-men-but-not-women-725427.html](https://consumer.healthday.com/cardiovascular-health-information-20/misc-stroke-related-heart-news-360/stroke-rates-drop-for-u-s-men-but-not-women-725427.html)
5. Academic Emergency Medicine Early Access. Guest speaker discussing Current Status of Gender and Racial/Ethnic Disparities Among Academic Emergency Medicine Physicians. September 26, 2017. <http://brownemblog.com/blog-1/2017/9/24/aem-early-access-06-gender-and-racial-disparities-in-academic-emergency-medicine>
6. FeminEM. Show us the Money: Discussing Salary Disparities in Emergency Medicine. January 5, 2018. <https://feminem.org/podcast/show-us-money-discussing-salary-disparities-emergency-medicine/>
7. Now this News, Global Game Changers: Women's Health in Emergency Medicine <https://nowthisnews.com/videos/future/womens-health-in-emergency-medicine> [nowthisnews.com]. [>700,000 views as of March 2019].
8. AHA News. Interview regarding Sex Differences in Hypertension and Stroke Risk in REGARDS. August 2019. <https://www.heart.org/en/news/2019/08/13/rising-blood-pressure-puts-women-at-greater-stroke-risk-than-men>.
9. AWAEM Anniversary Interviews: 10 Years of Progress. Episode 18: Dr. Tracy Madsen. November 2019. <https://www.saem.org/awaem/education/awaem-anniversary-interviews---10-years-of-progress>.
10. AHA/ASA News. Sex hormone-related protein levels may impact stroke risk in women. February 12, 2020. <https://newsroom.heart.org/news/sex-hormone-related-protein-levels-may-impact-stroke-risk-in-women?>
11. Healio/ Cardiology Today. Sex hormone-binding globulin may predict stroke risk on postmenopausal women. February 18, 2020. https://www.healio.com/cardiology/stroke/news/online/%7B97e8a1d7-3f9d-4208-a2bd-7ae3999db223%7D/sex-hormone-binding-globulin-may-predict-stroke-risk-in-postmenopausal-women?utm_medium=social&utm_source=twitter&utm_campaign=scheduledpost
12. Females working in Emergency Medicine (feminem) Podcast. Sex Matters with Drs. Alyson McGregor and Tracy Madsen. February 20, 2020. <https://feminem.org/podcast/sex-matters-w-drs-alyson-mcgregor-and-tracy-madsen/>
13. GoLocalProv News Guest. “Brown Alpert Medical School’s Madsen on Making Key Finding That Could Predict Stroke.” February 26, 2020.

<https://www.golocalprov.com/news/Brown-Alpert-Medical-Schools-Madsen-on-Making-Key-Finding-That-Could-Predi>

14. AHA News. Young adults have strokes for the same reasons as older adults. March 16, 2021. <https://www.heart.org/en/news/2021/03/16/young-adults-have-strokes-for-the-same-reason-as-older-adults>

15. Featured speaker, Lifespan/ WJAR Day of Giving. Stroke patient grateful for care she received at Rhode Island Hospital. Mario Hilario, NBC 10 News, March 25, 2021. <https://turnto10.com/station/10-cares/day-of-giving-stroke-patient-grateful-for-care-she-received-at-rhode-island-hospital>.

16. AHA News. The secret to good health is no secret. So why is it so hard to achieve? March 31, 2021. <https://www.heart.org/en/news/2021/03/31/the-secret-to-good-health-is-no-secret-so-why-is-it-so-hard-to-achieve>

17. Lifespan press release, August 9, 2021. *Dr. Tracy Madsen named a 2021 National Academy of Medicine Fellow in Emergency Medicine*. <https://intranet.lifespan.org/news-events/announcements/dr-tracy-madsen-named-2021-national-academy-medicine-fellow-in-emergency-medicine>

18. WPRI News. “Don’t neglect medical care for heat-related ailments” August 13, 2021. <https://www.wpri.com/health/doctor-dont-neglect-medical-care-for-heat-related-ailments/>.

19. Providence Business News, Five Questions with Dr. Tracy Madsen, September 20, 2021. <https://pbn.com/five-questions-with-dr-tracy-madsen/?bypass=6144f94a4efe9>.

20. Neurology Advisor. Does the Association of Fasting Blood Glucose with Stroke Risk Differ by Race and Sex? October 1, 2021. <https://www.neurologyadvisor.com/topics/stroke/does-the-association-of-fasting-blood-glucose-with-stroke-risk-differ-by-race-and-sex/>.

21. Huron Daily Tribune. Stroke deaths among young adults hit some groups harder than others. November 12, 2021. [LINK](#)

22. Heart and Stroke News. Substance use appears higher in recent decades among young adults who had strokes. July 7, 2022. [LINK](#)

23. Featured in: Jaehyun, Hong. Beyond the Average White Guy. *Brown Alumni Magazine*. June 27, 2022

24. Featured in Washington Post, More women than men suffer strokes, but many don’t realize the risk. *Washington Post*, December 10, 2022.

25. Featured on NBC 10 News (10 WJAR), “Women twice as likely to die from stroke than breast cancer” <https://turnto10.com/features/health-landing-page/women-two-times-more-likely-to-die-from-stroke-than-breast-cancer-symptoms-vary-high-risk-menopause-hormones>. December, 2022.

26. Social Media Influencer at AHA International Stroke Conference, February 2023.

27. Featured on NBC 10 News (10 WJAR), “Researchers look at possible link between migraine and stroke risk later in life in women” <https://turnto10.com/features/health-landing-page/researchers-possible-link-between-migraine-stroke-later-life-women-headache-rhode-island-hospital-doctor-american-heart-association-risk-factors#>, August 30, 2023

ABSTRACTS (Select abstracts based on lead/senior author and/or high priority)

1. *The Relationship of Sex and Atypical Presentations in Time-To-ECG: Does Sex Matter?* Rhode Island Hospital 18th Annual Research Celebration, Poster Presentation. Providence, RI, May 2010.
2. *Gender Differences and Time to ECG: Does Sex Matter?* Research Update, Emergency Medicine Residency Conference. The Warren Alpert Medical School of Brown University, Providence, RI, June 2010.
3. *The Relationship of Sex and Atypical Presentations in Time-To-ECG: Does Sex Matter?*, American College of Emergency Physicians Annual Research Forum, Poster Presentation, Las Vegas, NV, September 2010.
4. *Do Gender Differences Exist in Sepsis Mortality, Overall Surviving Sepsis Campaign Bundle Completion, or Completion Of Individual Bundle Elements?: The DISPARITY Study.* New England Regional SAEM Meeting, Lightning Oral Presentation, Providence, RI, March 2013.
5. *Do Gender Differences Exist in Sepsis Mortality, Overall Surviving Sepsis Campaign Bundle Completion, or Completion Of Individual Bundle Elements?: The DISPARITY Study.* Women’s Health and Sex Differences Scientific Research Poster Session, Washington, D.C., March 2013.
6. *Do Gender Differences Exist in Sepsis Mortality, Overall Surviving Sepsis Campaign Bundle Completion, or Completion of Individual Bundle Elements?: The DISPARITY Study.* SAEM Annual Meeting, Oral Presentation, Atlanta, GA, May 2013.
7. *Potential Gender-Specific Barriers to Treatment of Acute Stroke: Do Gender Differences in Stroke Knowledge Vary By Age?* American College of Emergency Physicians Annual Research Forum, Poster Presentation, Seattle, WA, October 2013.
8. *Analysis of Tissue Plasminogen Activator (rt-PA) Eligibility by Gender in the Greater Cincinnati/Northern Kentucky Stroke Study.* American Heart Association International Stroke Conference, Poster Presentation, San Diego, CA, February 2014.
9. *Lack of Gender Disparities in ED Triage of Ischemic Stroke Patients.* Society for Academic Emergency Medicine Annual Meeting, Dallas, TX, May 2014 and New

England Regional Meeting, Society for Academic Emergency Medicine, New Haven, CT, March 2014.

10. *Sex Differences in Clinical Presentation and Outcome: Patients Admitted to a Transient Ischemic Attack Emergency Department Observation Unit*. American Heart Association International Stroke Conference, Nashville, TN, February 2015.
11. *Analysis of Gender and Time to Arrival among Ischemic Stroke Patients in the Greater Cincinnati/ Northern Kentucky Stroke Study*, American Heart Association International Stroke Conference, Nashville, TN, February 2015.
12. *Racial Differences in ED Triage and Pre-Hospital Delay among Ischemic Stroke Patients*. Society for Academic Emergency Medicine Annual Meeting, Oral Presentation, San Diego, CA, May 2015.
13. *Analysis of Race and Delays to Antibiotics in Patients with Severe Sepsis or Septic Shock*. Society for Academic Emergency Medicine Annual Meeting, Oral Presentation, San Diego, CA, May 2015.
14. *Gender Differences in Social Isolation and Self-Reported Reasons for Calling 911 in Ischemic Stroke Patients: The SWIFT Study*. American Public Health Association Annual Meeting, Oral Presentation, Chicago, IL, November 2015.
15. *Stroke Incidence in the Greater Cincinnati/ Northern Kentucky Stroke Study is Decreasing Significantly in Men but not Women*. International Stroke Conference, Oral Presentation, Los Angeles, CA, February 2016.
16. *The Effect of Patient and Provider Gender on Time to Antibiotics Among Patients with Severe Sepsis or Septic Shock*. New England Regional SAEM Meeting, Lightning Oral Presentation, Worcester, MA, March 2016.
17. *The Effect of Patient and Provider Gender on Time to Antibiotics Among Patients with Severe Sepsis or Septic Shock*. Society for Academic Emergency Medicine Annual Meeting, Poster Presentation, New Orleans, LA, May 2016.
18. *Minorities, Women, and Stroke Belters Left Behind in t-PA Use Despite Quality Improvement Efforts*. International Stroke Conference, Oral Presentation, Houston, TX, February 2017.
19. *Sex Differences in Cardiovascular Risk Profiles of Patients with Diabetes in the Greater Cincinnati/ Northern Kentucky Stroke Study* International Stroke Conference, Poster Presentation, Houston, TX, February 2017.
20. *The Status of Gender and Racial/ Ethnic Disparities Among Emergency Medicine Physicians*. SAEM New England Regional Meeting, Worcester, MA, March 2017.

21. *The Status of Gender and Racial/ Ethnic Disparities Among Emergency Medicine Physicians* SAEM Annual Meeting, Oral Presentation, Orlando, FL, May 2017.
22. *Sex Differences in the Effect of Hypertension on Stroke Risk in the REasons for Geographic and Racial Differences in Stroke Study.* International Stroke Conference, Oral Presentation, Los Angeles, CA, February 2018.
23. *Temporal Trends of Sex Differences in Transient Ischemic Attacks Incidence Within a Population.* International Stroke Conference, Moderated Poster Los Angeles, CA, February 2018.
24. *Sex Differences in Severity of Stroke Risk Factors in the Greater Cincinnati/ Northern Kentucky Stroke Study.* International Stroke Conference, Poster, Los Angeles, CA, February 2018.
25. *Sex Differences in 90-Day Outcomes after Mechanical Thrombectomy for Acute Ischemic Stroke.* New England Regional SAEM Meeting, Platform Oral Presentation, Worcester, MA, March 2018.
26. *Gender Differences in the Decision to Seek Care Among Ischemic Stroke Patients,* New England Regional SAEM Meeting, Poster Presentation, Worcester, MA, March 2018.
27. *Sex Differences in 90-Day Outcomes after Mechanical Thrombectomy for Acute Ischemic Stroke,* Society of Academic Emergency Medicine Annual Meeting, Oral Presentation, Indianapolis, IN, May 2018.
28. *Predictors of Drug Screens Among Stroke Patients in the Greater Cincinnati Northern Kentucky Stroke Study: Preliminary Findings for 2015,* International Stroke Conference, Poster Presentation, Honolulu, HI, February 2019.
29. *Women Admitted for Suspected TIA are Less Likely to Have Imaging Evidence of Infarction than Men: Results from the Rhode Island Hospital Prospective TIA unit cohort,* International Stroke Conference, Poster Presentation, Honolulu, HI, February 2019.
30. *Sex Differences in Patient Centered Outcomes Obtained from Electronic Medical Records in the Greater Cincinnati Northern Kentucky Stroke Study,* International Stroke Conference, Poster Presentation, Honolulu, HI, February 2019.
31. *Perceptions and Use of Parental Leave by Emergency Medicine Residents,* Mentor/ Co-Author, Society for Academic Emergency Medicine, Moderated Poster Presentation, Las Vegas, NV, May 2019.
32. *Sex Hormone Binding Globulin: A Novel Hormonal Biomarker for Ischemic Stroke Risk?,* International Stroke Conference, Oral Abstract with simultaneously published paper, Los Angeles, CA, February 2020.

33. *Temporal Trends in Stroke Incidence Over Time by Sex and Age in the Greater Cincinnati Northern Kentucky Stroke Study*, International Stroke Conference, Oral Abstract with simultaneously published paper, Los Angeles, CA, February 2020.
34. *Sex and Race Differences in Diabetes and Risk of Ischemic Stroke: Role of Fasting Blood Glucose*, International Stroke Conference, Oral Abstract, Los Angeles, CA, February 2020.
35. *Gender Differences in Perceptions of Departmental Culture in Academic Emergency Medicine*, SAEM New England Regional Meeting, Worcester, MA, Oral Abstract, March 2020 *** Cancelled due to COVID-19 pandemic
36. *Promotion of Academic Emergency Medicine Faculty: Contributors to Disparities and Potential Solutions*, SAEM New England Regional Meeting, Worcester, MA, March 2020 *** Cancelled due to COVID-19 pandemic
37. *Gender Differences in Perceptions of Departmental Culture in Academic Emergency Medicine*, SAEM Annual Meeting, Denver, CO, May 2020 *** Cancelled due to COVID-19 pandemic
38. *Management of TIA Over Time in the Greater Cincinnati Northern Kentucky Stroke Study*, International Stroke Conference, Poster Abstract, March 2021.
39. *Associations Between Diagnostic Work-Up and Outcomes of TIA in the Greater Cincinnati Northern Kentucky Stroke Study*, International Stroke Conference, Poster Abstract, March 2021.
40. *Stroke Risk Factors Among the Young Over Time in the GCNKSS*, International Stroke Conference, Poster Abstract, March 2021.
41. Gettel CJ, Courtney DM, Agrawal P, Madsen TE, Venkatesh AK. *Gender and clinician type: who is leaving the emergency workforce?* American College of Emergency Physicians, Annual Meeting, Oral Abstract, San Francisco, CA, October 2022.
42. Madsen TE, et al. *Prior TIAs Among Patients With Ischemic Stroke In The Greater Cincinnati Northern Kentucky Stroke Study (GCNKSS)*. Poster presentation, International Stroke Conference, February 2023.
43. Madsen TE, et al. *Socioeconomic Factors Associated with EMS-documented Stroke Chief Complaints in the Greater Cincinnati Northern Kentucky Stroke Study (GCNKSS)*. Oral presentation, International Stroke Conference, February 2023.
44. Khatri I, Fraser H, Bacher I, Madsen TE (Mentor). *Prediction Of Acute Cerebrovascular Events Based On Patient Reported Symptoms*. Moderated poster presentation, International Stroke Conference, February 2023.

45. Madsen TE, Caniglia SL, Thomas J, Clark Donat L, Zhang L, Bourjeily G, Burton T, Furie KL, Liu S. *STOP STROKE: Sex-Specific Prevention of Stroke Through Reproductive Risk Factors and Sex Hormone Effects: Preliminary Findings*. Poster presentation, American Heart Association Epidemiology/ Lifestyle Scientific Sessions, March 1, 2023.

INVITED PRESENTATIONS

LOCAL

1. *Diagnosing Bacterial Meningitis in the Setting of Focal Neurologic Deficits*, Clinical Pathologic Case Conference, Department of Emergency Medicine, Warren Alpert Medical School of Brown University, Providence, RI, October 2010
2. Lecture, *An Approach to the Red Eye*
Department of Obstetrics and Gynecology, Department of Emergency Medicine
Warren Alpert Medical School of Brown University, Providence, RI
March 2011, March 2013
3. Lecture, *We are Getting Older: The Aging Population and the ED*
Grand Rounds, Department of Emergency Medicine
Alpert Medical School of Brown University
2012
4. Lecture, *Stroke: Sex Matters*
Residency Conference, Department of Emergency Medicine
Alpert Medical School of Brown University
2012
5. *Stroke in Women*, American Heart Association Go Red for Women Executive Leadership Team Meetings, Providence, RI, Fall – Spring 2015
6. Invited speaker, *Sex, Gender, and Social Justice in Medicine*
University of Rhode Island, Social Justice in Education Course
Providence, RI, March 2017
7. Invited Lecturer, *Women and Stroke: Why Sex (and Gender) Matter*
Department of Neurology Residency Conference, Warren Alpert Medical School of Brown University, Providence, RI
January 2019
8. Invited panelist, *Morbidity and Mortality Conference*
Department of Neurology, Warren Alpert Medical School of Brown University,
Providence, RI

July 2019

9. Grand Rounds, Emergency Medicine/ Neurology Grand Rounds, *Women and Stroke*
Alpert Medical School of Brown University, Providence, RI
September 2019

10. Invited speaker, *Women and Stroke, Why Sex & Gender Matter*
Rhode Island Women's Health Summit: Sex & Gender, Medical Research & Our
Community: Redefining Women's Health in Rhode Island
March 13-14, 2020*** Cancelled due to COVID-19 pandemic

11. Invited speaker, *Disparities in Stroke Care and Outcomes*
Rhode Island Stroke Symposium, May 9, 2020*** Cancelled due to COVID-19
pandemic

12. Invited speaker, *Epidemiology in the Time of a Pandemic*. Department of Physics,
Rhode Island Hospital, Providence, RI, June 3, 2020.

13. Invited panelist, *Advance-K Scholar Program*, Alpert Medical School of Brown
University, Virtual Panel, March 18, 2021.

14. Invited speaker, *Using Sex and Gender to Achieve a More Personalized Approach to
Stroke Care*. Women in Medicine & Science: Cultivating Vitality for Ourselves and
Others. June 10, 2021. Brown University.

15. Invited Speaker, *Using Sex and Gender to Achieve a More Personalized Approach
to Stroke Care*. Rhode Island Stroke Symposium, Providence, RI, September 17, 2021.

16. Invited Speaker, *Sex & Gender: Preparing and delivering inclusive content for
students*. Faculty Development Session, Alpert Medical School of Brown University,
Providence, RI, October 6, 2021.

17. Invited Speaker, *COVID-19 and Cardiovascular Disease*. American Heart
Association Red Table Tour, Providence RI, November 17, 2021.

<https://www.youtube.com/watch?v=jIS-TbYtGoI>

18. Invited Grand Rounds, *Stroke through the Lens of Sex, Gender, and Health Equity*.
Brown Emergency Medicine Grand Rounds, March 16, 2022.

19. Invited Guest Speaker, *Stroke in Women: From Prevention to Outcomes*. Rhode
Island Hospital Stroke Support Group, June 8, 2022.

20. Invited Speaker, *A Sex-Specific Approach to Stroke Epidemiology and Prevention*,
Lifespan Annual Research Day, Bruce Selya 2022 Award Winner, October 2023.

REGIONAL

1. Invited speaker, *Sex and gender Differences in Acute Stroke*
The Northeast Cerebrovascular Consortium 11th Annual Summit, Newport, RI
October 2016
2. Invited speaker, *The Impact of Sex and Gender on Acute Stroke*, 11th Annual Norman M. Fain Memorial Stroke Lecture, Providence, RI
November 2016
3. Invited Grand Rounds Speaker, *Sex and Gender Differences in Stroke*
St. Luke's Hospital Grand Rounds, Fall River, MA
June 2017
4. Invited speaker, *Sex, Gender, and Pregnancy: A Dose of Prevention*
The Northeast Cerebrovascular Consortium 13th Annual Summit, Newport, RI
October 2018
5. *Acute Cerebrovascular Disease through a Sex and Gender Lens: Research Highlights*
Annual Meeting: NIH StrokeNet (Spirit Regional Coordinating Center), Madison, CT
March 2019
6. *Sex and Gender: A More Personalized Approach to Stroke Prevention*. SPIRIT StrokeNet Meeting, Virtual Meeting, October 9, 2020.
7. *Equity for Women in Academic Emergency Medicine in a Post-Pandemic World: How Do We Move Forward?*. SAEM New England Regional Directors Meeting, Virtual Meeting, April 7, 2021.
8. *Moderator for Lightning Orals, Operations/ Quality Improvement*. New England Regional Meeting, Society for Academic Emergency Medicine. April 6, 2022, Worcester, MA.
9. *Moderator for Lightning Orals, Cardiovascular/ Pulmonary, Airway, Social EM*. New England Regional Meeting, Society for Academic Emergency Medicine. April 6, 2022, Worcester, MA.

NATIONAL

1. Moderator, *Updates in Gender Specific Emergency Care*. Society for Academic Emergency Medicine Annual Meeting, Chicago, IL, May 2012.
2. Panelist/Moderator, *Taking your Academic Writing to the Next Level*, Society for Academic Emergency Medicine Annual Meeting, Dallas, TX, May 2014

3. Panelist, *The Missing Piece: Incorporating key sex and gender content into your Emergency Medicine curriculum*. Society for Academic Emergency Medicine Annual Meeting, San Diego, CA, May 2015
4. Panelist/ Moderator, *Achieving your full potential: Incorporating gender into faculty development*. Society for Academic Emergency Medicine Annual Meeting, San Diego, CA, May 2015
5. Invited plenary session speaker, *Sex and Gender: Building Blocks for Universal Terminology*, Sex and Gender Health Education Summit, Salt Lake City, UT, April 2018
6. Moderator, *Neurology/Research Methods Oral Abstracts*. Society for Academic Emergency Medicine, Indianapolis, IN, May 2018
7. Panelist, *A Rare But Deadly Complication for the Expecting Mother: Evaluating and Managing Acute Ischemic Stroke During Pregnancy*, Society for Academic Emergency Medicine Annual Meeting, Indianapolis, IN, May 2018
8. Panelist, *Lesbian, Gay, Bisexual, Transgender, and Queer in the Emergency Department: Comprehensive Care of Sexual Minority and Gender Nonconforming Patients in the Acute Care Setting*, Society for Academic Emergency Medicine Annual Meeting, Indianapolis, IN, May 2018
9. Panelist, *The Aftermath: Sex Differences in Stroke Recovery*, Organization for Study of Sex Differences Annual Meeting, Atlanta, GA, May 2018
10. Invited Grand Rounds, *Women and Stroke: Why Sex (and Gender) Matter*. Department of Neurology, University of Alabama at Birmingham, January 15, 2019
11. Moderator, *Lightning Oral Abstracts: Neurology Obstetrics/Gynecology*, Society of Academic Emergency Medicine Annual Meeting, Las Vegas, Nevada, May 2019
12. Moderator, *Lightning Oral Abstracts: Research Design/Methodology/Statistics*, Society of Academic of Academic Emergency Medicine Annual Meeting, Las Vegas, Nevada, May 2019
13. Invited Speaker, *Strategies for Increasing Diversity in Emergency Medicine: Finding Solutions Through Synergistic Models*, Society of Academic Emergency Medicine Annual Meeting, Las Vegas, Nevada, May 2019
14. Invited Speaker, *Clearing Up the Confusion: Emergency Department Management of Glasgow Coma Score 15 Brain Bleeds*, Society of Academic Emergency Medicine Annual Meeting, Las Vegas Nevada, May 2019

15. Invited Grand Rounds, *Women and Stroke: Why Sex (and Gender) Matter*. Neurosciences Grand Rounds, Spectrum Health/ Michigan State University, August 21, 2019

16. Invited Speaker, *Beyond the Stroke Algorithms: My Take on Taking Care of Women*, FemInEM Idea Exchange (FIX19), New York, NY, September 2019.

17. Invited Speaker, *Institutional Solutions to Address Disparities in Compensation and Advancement of Emergency Medicine Physicians: A Critical Appraisal*.

Academy of Academic Chairs in Emergency Medicine / Academy of Administrators in Academic Emergency Medicine Annual Retreat. Palm Desert, CA, March 16, 2020

*** Cancelled due to COVID-19 pandemic

18. Invited Speaker, *Evidence Based Sex & Gender: A critical appraisal of literature and research methodology best practices*

SAEM Annual Meeting, May 2020 *** Cancelled due to COVID-19 pandemic

19. Invited Speaker, *We're Here, Now What? Strategies to Increase the Retention of Women and URM EM Faculty*

SAEM Annual Meeting, May 2020 *** Cancelled due to COVID-19 pandemic

20. Invited Moderator, *Advocating for Sex and Gender in Licensing Exams by Discipline*, Sex and Gender Health Summit, Thomas Jefferson University/ Virtual Summit, September 13, 2020.

21. Invited Speaker, *Institutional Solutions to Address Disparities in Compensation and Advancement of Emergency Medicine Physicians: A Critical Appraisal*.

Academy of Academic Chairs in Emergency Medicine, Virtual Webinar, October 19, 2020.

22. Invited Moderator, *The New Frontier: DEI Positions in Academic Emergency Medicine*, SAEM/ AWAEM/ ADIEM, Virtual Webinar, November 4, 2020.

23. Invited Grand Rounds, *Using Sex and Gender to Achieve a More Personalized Approach to Stroke Care*, Boston University Vascular Neurology Grand Rounds, November 10, 2020.

24. Invited speaker, *A Sex-Specific Approach to Stroke Epidemiology and Prevention*, Neurology ICU/ Stroke Research Seminar, Yale School of Medicine, December 14, 2020.

25. Invited speaker, *AWAEM Diversity and Inclusion Initiatives*, Association of Academic Chairs of Emergency Medicine (AACEM) Virtual Webinar, December 14, 2020.

26. Invited speaker, *Unique Risks and Solutions for Equitable Advancement during the Covid-19 Pandemic for Women*, NYU Hematology/ Oncology Women's Group, January 21, 2021.
27. Keynote speaker, *Unique Risks and Solutions for Equitable Advancement for Women during the Covid-19 Pandemic*. Women in Emergency Medicine Inaugural Virtual Event, Henry J.N. Taub Department of Emergency Medicine, Baylor College of Medicine. February 5, 2021.
28. Invited speaker, *AWAEM/ADIEM Virtual Networking Extravaganza*, SAEM 2021 Annual Meeting, May 12, 2021.
29. Invited speaker, *Reinvigorating and Reimagining the Future for Women in Emergency Medicine*, SAEM 2021 Annual Meeting, May 12, 2021.
30. Invited speaker, ACEP Research Forum, Special Edition: COVID. August 4, 2021.
31. Invited speaker, American Board of Emergency Medicine (ABEM) New Director's Orientation. March 9, 2022. Lansing, MI.
32. Invited speaker, *Evidence Based Sex & Gender Medicine: A critical appraisal of cutting-edge literature and best practices in research methodology*. Society of Academic Emergency Medicine 2022 Annual Meeting, May 12, 2022, New Orleans, LA.
33. Invited speaker, ABEM Associates Forum, *ABEM/ NAM Activities Report*, July 20, 2022, Virtual Presentation.
34. Invited Grand Rounds Speaker, *Stroke through the Lens of Sex, Gender, and Health Equity*, University of Vermont Medical Center, Department of Emergency Medicine, August 25, 2022.
35. Invited expert speaker, *State-of-the-Art: Sex/ Gender-Specific Differences in the Clinical Presentation, Outcome, and Treatment of Cardiac, Stroke, and Venous Thromboembolism Patients*, ACEP Annual Meeting Research Forum, October 3, 2022.
36. Invited guest speaker, *Precision Emergency Medicine: Setting a Research Agenda*, SAEM 2023 Consensus Conference: Sex and Gender working group. SAEM 2023, Austin, TX, May 16, 2023.
37. Invited guest speaker, *Sex and Gender Research Mechanics: Best practices from grant writing and study design to manuscript preparation*, Didactic presentation, SAEM 2023, Austin, TX, May 19, 2023.
38. Invited guest speaker, *ABEM/ NAM Activities Report*, American Board of Emergency Medicine Associates Forum. July 19, 2023.

INTERNATIONAL

1. Moderator, *Pre-hospital Approaches to Maximize the Public Health Impact of t-PA and Thrombectomy*, International Stroke Conference, Los Angeles, CA, February 2018
2. Moderator, *Emergency Care/Systems Oral Abstracts*, International Stroke Conference, Honolulu, HI, February 2019
3. Moderator, *Health Services, Quality Improvement, and Patient-Centered Outcomes Oral Abstracts*, International Stroke Conference, Honolulu, HI, February 2019
4. Invited presentation, *Sex Differences in Outcomes Among Patients with an Admission Diagnosis of TIA: A Multisite Study, StrokeNet Fellow Presentation*, International Stroke Conference, Honolulu, HI, February 2019.
5. Invited presentation, *Stroke Central: Stroke and Women*, International Stroke Conference, Los Angeles, CA, February 2020
6. Moderator, *Emergency Care/ Systems Oral Abstracts I*, International Stroke Conference, Los Angeles, CA, February 2020
7. Moderator, *Emergency Care / Systems Moderated Posters*, International Stroke Conference, Los Angeles, CA, February 2020
8. Moderator, *Health Services, Quality Improvement, and Patient-Centered Outcomes Oral Abstracts II*, International Stroke Conference, Los Angeles, CA, February 2020
9. Invited speaker, *An Update on Sex Differences in Stroke Risk Factors: Hypertension Trajectories and Stroke*, International Stroke Conference, New Orleans, LA, February 2022.
10. Invited speaker, *AHA/ASA Historically Black Colleges and Universities (HBCUs) and Hispanic Serving Institution (HSI) Scholars Panel Discussion*, International Stroke Conference, New Orleans, LA, February 2022.
11. Invited Speaker, AHA Stroke Connection at ISC 2022, *Stroke in Women: An Update on Sex Differences in Stroke Risk Factors Management and Outcomes*, Virtual Presentation, February 2022.
12. Invited speaker, AHA Stroke Central at ISC 2023, *An Overview of Sex Differences in Stroke Risk Factors*, International Stroke Conference, Dallas, TX 2023, February 9, 2023.
13. Invited presentation, *Sex and Gender Differences in Short and Long-Term Outcomes after Stroke: An Overview*, International Stroke Conference, Dallas TX, February 8, 2023.

EDITORIAL BOARDS

Editorial board member, *Neurology*, 2020 to present

Editorial board member, *European Journal of Emergency Medicine*, 2022 to present

EDITORIAL ACTIVITIES/ PEER REVIEWER

Critical Care, 2014 to present

Abstracts for International Stroke Conference, 2014 to present

Journal of Racial and Ethnic Health Disparities, 2015 to present

Academic Emergency Medicine, 2016 to present

BMC Women's Health, 2017 to present

Stroke, 2018 to present

American Journal of Clinical Nutrition, 2018 to present

Anatomical Sciences Education, 2018 to present

Trends in Cardiovascular Medicine, 2018 to present

Neurology, 2018 to present

Annals of Epidemiology, 2018 to present

Lancet, 2019 to present

Early career reviewer for NIH Center for Scientific Review, March 2019

Emergency Medicine Journal, March 2019 to present

Study Section Member (Early Career Reviewer), National Institutes of Health, Acute Neural

Injury and Epilepsy Study Section (ANIE), February 2020

Study Section Member, Chronic Disease and the Reduction of Health Disparities, NIDDK, July 2020

JAMA Network Open, 2020 to present

Journal of Women's Health

Journal of the American Heart Association (JAHA), 2020 to present

BMC Health Services, 2020 to present

Study Section Member, American Heart Association, Science of Diversity in Clinical Trials

Strategically Focused Research Network, February 2022

Study Section Ad-hoc member, NIH/NCATS CTSA-Small Grant R03, February 2023

GRANTS

ONGOING/ COMPLETED

1. *Antihypertensive Treatment of Acute Cerebral Hemorrhage (ATACH-II)* 2014 - 2016
NINDS (Site PI: Merck)
 Role: Site Co-Investigator

2. *Investigation of Gender and Racial Disparities in the Care of Acute Ischemic Stroke Patients* 5/2014-12/2016
Rhode Island Foundation (PI: Madsen)
 Amount: \$14,663
 Role: Principal Investigator

3. *Established Status Epilepticus Treatment Trial (ESETT)* 2016-2018
NINDS (Site PI: Merck)
 Role: Site Co-Investigator

4. *StoP STRoKE: Sex-Specific Prevention of Stroke Through Reproductive Risk factors and sex-hormone Effects* 11/17-10/19,
 NCE 10/19 – 6/20
Robert E. Leet and Clara Guthrie Patterson Trust Mentored Research Award (PI: Madsen)
 Amount: \$95,000
 Role: Principal Investigator

5. *Use of Parental Leave by Residents in EM: A Survey* 7/2018-6/2019
BEM Resident Research Grant (PI: Paischow)
 Amount: \$2500
 Role: Mentor

6. *StoP STRoKE: Sex-Specific Prevention of Stroke Through Reproductive Risk factors and sex-hormone Effects (1K23HL140081-01A1)* 8/2018-7/2023,
 NCE 8/23-7/24
NHLBI (PI: Madsen)
 Amount: \$945,188
 Role: Principal Investigator

7. *Sex and Gender Differences in Stroke* 9/2018-8/2019
StrokeNet Southern New England Partnership in Stroke Research (SPIRIT)
 Amount: \$50,000
 Role: Principal Investigator

8. *The Looking Glass Project: Examining our Perspectives to Increase Awareness of Implicit Bias.* 9/2019-8/2020
Brown Emergency Medicine Innovations Grant (PI Madsen)
 Amount: \$2500
 Role: Principal Investigator

9. *TIMELESS: A phase III, double-blind, randomized study of* 12/2019 –12/2022

Thrombolysis in Imaging-Eligible, Late-Window Patients to Assess the Efficacy and Safety of Tenecteplase (PI: Cutting)

Genentech

Role: Co-Investigator

10. **National Academy of Medicine/ American Board of Emergency Medicine Grant** 8/2021-8/2023
Role: Principal Investigator
Amount: \$25,000
11. *RESCUE: A Randomized, Blinded, Placebo-controlled, Parallel Group Design to Determine the Safety of RNS60 in Large Vessel Occlusion Stroke Patients Undergoing Endovascular Thrombectomy.* (PI: McTaggart) 10/2021 - Present
Revalescio Corporation
Role: Site Co-Investigator
12. *Observational study of the safety, accuracy, and usability of digital diagnosis apps in primary care and for TIA and stroke patients* 2/2022 – 6/2023
Brown University Research Seed Award (PI: Fraser)
Amount: \$39,975
Role: Co-Investigator
13. Scientific Councils of the American Heart Association, **2022 Student Scholarships in Cerebrovascular Disease and Stroke (Mentor)** 2022 - Present
Role: Mentor to Ishaani Khatri
14. *Disparities in Prehospital and Acute Care of Patients with Stroke in Rhode Island (PI Karb)* 2023 - Present
Brown Physicians Incorporated Academic Assessment Award
Amount: \$50,000
Role: Mentor
15. *Strategies to Innovate Emergency Care Clinical Trials Network (SIREN) Yale Hub (PI D'Onofrio)* 12/2022 – 11/2027
NIH (NHLBI/NINDS) U24, Role- Rhode Island Hospital Site-PI
16. *Migraine and Stroke in Women: Leveraging the Observational and Clinical Trials Cohorts of the WHI.* 7/2023 – 6/2025
American Heart Association Program Grant (PI: Madsen)
Amount: \$292,468
Role: PI
17. *Evaluating diagnostic decision support systems for patients requiring urgent primary or emergency care or with stroke* 7/1/23 – 6/30/28
AHRQ R01-1HS029513-01 (PI: Fraser)

Role: Co-Investigator

18. *Comparison of Hemorrhagic and Ischemic Stroke Among Blacks and Whites* 7/1/23-6/30/25
NIH NINDS R01NS030678-29 (PI: Kissela)
Role: Co-Investigator
19. The Role of Sex Hormones in Stroke Risk: A Sex-Specific Integrative Omics Analysis in the NHLBI Trans-Omics for Precision Medicine Cohorts 9/1/2023 –7/31/28
NIH NHLBI/ NIGMS R01HL164485 (PI: Madsen)
Amount: \$3,060,870
Role: Principal Investigator

OTHER RESEARCH ACTIVITIES

- 2018 – Present Physician adjudicator for stroke cases in the Greater Cincinnati Northern Kentucky Stroke Study
- 2019 – Present Physician adjudicator for stroke cases in the Reasons for Geographic and Racial Differences in Stroke (REGARDS) Study
- 2021 – Present Physician adjudicator for stroke cases in the Women’s Health Initiative Study
- 2023 – Present Consultant, Women’s Health Initiative, Western Regional Center, WHI 2020-2027 Extension Study

UNIVERSITY TEACHING/ ADVISING/ MENTORING ROLES

- 2010 – 2018 **Instructor, Doctoring Course (BIOL 3640/3650)**
Alpert Medical School of Brown University
(1 student per year)
- 2011 – 2013 **Facilitator, Community Health Clerkship**
Alpert Medical School of Brown University (Mentees listed below)
2011 Sarah Lee
2012 James Simmons, resulting publication in *Journal of Critical Care*
2013 Susanna Aniceto
- 2014 - 2015 **Guest Lecturer, *Methods and Study Design***
PHP1680K, Introduction to Clinical Research Course
Brown University, School of Public Health
(Average 15 students per class)
- 2014 – 2019 **Faculty Mentor, Summer Research Assistantship Program**
Department of Emergency Medicine

Alpert Medical School of Brown University (Mentees listed below)

2013 Danielle Palms

2014 Katie A. Baird, MD, resulting in 1 abstract (*Academic Emergency Medicine*) and 1 publication (*Journal of Stroke and Cerebrovascular Disease*)

2015 Skylar Gordon, MD, resulting in 1 abstract (*Academic Emergency Medicine*)

2017 Sigrid Young

2017 Eliza DeCroce-Movson, resulting in 1 abstract (*Academic Emergency Medicine*) and 1 publication (*Journal of Neurointerventional Stroke*)

2018 Jocelyn Cheng

2019 Nicole Gehret

2020 Zane Yu, Katherine Hobbs

2016 – 2018 **Lecturer, *Sex and Gender Differences in Stroke***
BIOL 6533, Sex and Gender in EM Pre-Clinical Elective
Alpert Medical School of Brown University
(Average 10 students per class)

2017 – Present **Small Group Facilitator, Sex and Gender Health Cases**
3rd year clerkship orientation
Alpert Medical School of Brown University
(All 3rd year medical students, about 150 per year)

2019 – Present **Director, Scholarly Concentration, Translational Research in Medicine**
Alpert Medical School of Brown University
(12 students currently in program)

2019 – 2021 **Advanced Clinical Mentorship Faculty,**
Alpert Medical School of Brown University
Student: Fiona Chen

2019 – Present **Guest Lecturer, PHP 2018, Epidemiology of Cardiometabolic Health**
Brown University School of Public Health

2020 - 2021 **Faculty Mentor, Basic and Translational Research Program**
Alpert Medical School of Brown University
Mentee: Katherine Hobbs

2021- Present **Guest Lecturer, PHP 2180 Interpretation and Application of Epidemiology**
Department of Epidemiology, Brown University School of Public Health

HOSPITAL/ DEPARTMENTAL TEACHING/ ADVISING/ MENTORING ROLES

2011 – 2012 **Presenter/ Moderator, Morbidity and Mortality Monthly Conference**
Department of Emergency Medicine

Warren Alpert Medical School of Brown University

- 2014 – Present **Faculty Advisor, Emergency Medicine Residency**
Alpert Medical School of Brown University
2014 – 2018. Dr. Tess Wiskel, MD, Winner of Gregory D. Jay Resident Research Award and The Robert A. Partridge & Lawrence Proano Global Health Impact Award
2015 – 2019 Chana Rich, MD
2017 – 2021. Mary Ledoux, MD
2019 – Present Giovanna Deluca, MD
2020 – Present Kate Stewart, MD
- 2015 - Present **Lecture, *Types of Studies, Confounding and Bias***
Research Skills Course, Department of Emergency Medicine
Warren Alpert Medical School of Brown University
(average 12 learners/session)
- 2015 – 2018 **Moderator, Mock Oral Boards, Emergency Medicine Residency**
Department of Emergency Medicine
Warren Alpert Medical School of Brown University
(average 10 residents/year)
- 2016 – Present **Associate Division Director / Assistant Fellowship Director, Division of Sex and Gender in Emergency Medicine**
Description: I serve as the primary educator in the Department of Emergency Medicine for sex and gender differences in stroke and neurologic emergencies, the primary educator for sex and gender-based research methods, and as an expert in sex and gender-based medicine terminology. In these roles, I mentor fellows, graduate students, residents, medical students, and undergraduate students.
- 2016 Faculty moderator for resident simulation (Airway in pregnant patients and Code stroke simulation)
Alpert Medical School of Brown University
(20 residents)
- 2016-Present Small Group Facilitator, Sex and Gender Health Cases
3rd year clerkship orientation
Alpert Medical School of Brown University
(average 45 students per lecture, 3 lectures per year)
- 2016-2018 Faculty Educator, Sex and Gender Differences in Stroke, Sex and Gender in EM, Pre-clinical Elective Small Group Facilitator, Sex and Gender Health Cases
Alpert Medical School of Brown University
(average 10 students per course)
- 2016-Present Instructor, Gynecologic Exams, EM Resident Orientation

- Alpert Medical School of Brown University
(average 12 learners/course)
- 2016-Present Faculty Lecturer, Clinical elective in Sex and Gender in EM
Alpert Medical School of Brown University
(average 2 learners/rotation, 8-10 learners/ year)
- 2018-2019 Faculty Mentor, Brown University Academic Scholars
Program
Alpert Medical School of Brown University
2018, Joseph Park
- 2018-2019 Faculty Mentor for Brown University MPH Student
2018, Kayla McAvoy
- 2018 – 2022 **Stroke Director in the Department of Emergency Medicine**
Description: Direct all educational activities relating to neurologic
emergencies/ stroke in the Department of Emergency Medicine.
- EM/Neurology Grand Rounds
- Guest Speaker, Neurology M&M
- Invited lecture, Neurology resident conference
- Preparation of neurology-related Emergency Medicine M&M
conferences
- 2018 – 2019 **Core Faculty, Brown Emergency Medicine Residency**
- 2013 – Present **Career Advisor/ Mentor in Other Capacities**
- 2013 – 2014 Virginia Tran, MD
2014 – 2017 Nery Porras, MD
2017 – 2020 Scott Gummerson
2017 – Present Taneisha Wilson, MD, Assistant Professor
2020 – 2021 Erin Shufflebarger, MD, NINDS StrokeNet Fellow
2021 – Present Rebecca Karb, MD, PhD, Assistant Professor
2023 – Present Shea Wright, MD, T32 Fellow, University of Cincinnati
- 2019 – Present **Alpert Medical School Primary Care-Population Medicine Thesis Mentor**
2019 – Present Olivia Cummings
- 2022 - Present **Lecture, Incorporating Sex and Gender into Research**
Research Skills Course, Department of Emergency Medicine
Brown Emergency Medicine, (average 12 learners/session)