

Curriculum Vitae

Edward C. Jauch, MD, MS, FACEP FAHA

Division of Emergency Medicine, Department of Medicine
Medical University of South Carolina
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PROFESSIONAL EXPERIENCE

| | |
|---|----------------|
| Associate Professor Division of Emergency Medicine and Department of Neurosciences Medical University of South Carolina, Charleston, SC | 2008 – Present |
| Assistant Professor Associate Director for Research Department of Emergency Medicine University of Cincinnati College of Medicine Faculty, Greater Cincinnati / Northern Kentucky Stroke Team | 1997 – 2008 |
| Assistant Professor of Research Department of Orthopaedic Surgery University of Cincinnati, Cincinnati, OH | 1988 – 1989 |

EDUCATION

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|---|-------------|
| <i>University of Cincinnati / University Hospital</i> Chief Resident, Emergency Medicine | 1996 – 1997 |
| <i>University of Cincinnati / University Hospital</i> Resident, Emergency Medicine | 1993 – 1996 |
| <i>University of Cincinnati College of Medicine, Cincinnati, OH</i> MD, Medicine | 1993 |
| <i>University of Kansas, Lawrence, KS</i> Postgraduate Studies, Mechanical Engineering / Biomechanics | 1986 – 1987 |
| <i>Cornell University, Ithaca, NY</i> MS, Mechanical Engineering / Theoretical Mechanics | 1986 |
| <i>University of Dayton, Dayton, OH</i> BS, Mechanical Engineering | 1982 |

LICENSURE

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|-------------------|----------------|----------------|
| State Licensure: | South Carolina | 2008 – Present |
| | Ohio | 1995 – Present |
| | Kentucky | 1994 – Present |
| DEA Certification | | 1995 – Present |

CERTIFICATION

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|--|------------|
| Diplomat, National Board of Medical Examiners | 1994 |
| Diplomat, American Board of Emergency Medicine | 1998, 2008 |

HONORS AND AWARDS

Postgraduate

| | |
|--|------|
| Outstanding Speaker Award, American Academy for Clinical Chemistry Annual Mtg, Quebec City | 2007 |
| Outstanding Speaker Award, American Academy for Clinical Chemistry Annual Mtg, Los Angeles | 2004 |
| Society for Academic Emergency Medicine Young Investigator Award | 2003 |
| Fellow, American College of Emergency Physicians | 2001 |
| Golden Apple Resident Teaching Award, Department of Emergency Medicine | 2001 |
| State of Ohio Quality of Care Award | 2000 |
| Fellow, American Heart Association National Stroke Council | 1999 |

Medical School and Residency: University of Cincinnati

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| Michael Spadafora Outstanding Resident Award | 1994 |
| UpJohn Outstanding National Resident Award Nominee | 1994 |
| SAEM Excellence in Emergency Medicine Award | 1993 |
| Kruecker Merit Scholarship | 1989 – 1993 |

Graduate School

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| Nominated, Outstanding Young Engineer, Kansas State Engineering Society | 1989 |
| Outstanding Research Performance Award, Veterans Administration Medical Center | 1987 |
| Cornell University McMullen Scholarship | 1982 – 1985 |

Undergraduate: University of Dayton

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| Bro. Andrew Weber Excellence & Outstanding Service / Achievement Award | 1982 |
| Pi Tau Sigma, Tau Beta Pi / National Engineering Honor Societies | 1982 |
| American Society of Mechanical Engineers Outstanding Senior Award | 1982 |
| Dayton Area Scholarship | 1978 |
| University of Dayton Presidential Scholarship | 1978 – 1982 |

HOSPITAL AFFILIATIONS

Emergency Medicine Attending Privileges

| | |
|--------------------------------------|----------------|
| Medical University of South Carolina | 2008 – Present |
| Charleston County Memorial Hospital | 2008 |

Acute Stroke Telemedicine Attending Privileges

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|--------------------------------------|----------------|
| Georgetown Memorial Hospital | 2008 – Present |
| Waccamaw Community Hospital | 2008 – Present |
| Grand Strand Regional Medical Center | 2008 – Present |
| Marion Regional Health System | 2008 – Present |
| McLeod Regional Medical Center | 2008 – Present |
| Williamsburg Regional Hospital | 2008 – Present |

Emergency Medicine Attending Privileges (Ohio, Kentucky)

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|---|-------------|
| Bethesda North Hospital | 1997 – 2008 |
| Good Samaritan Hospital | |
| The Christ Hospital | |
| Jewish Kenwood Hospital | |
| The Franciscan Hospitals – Western Hills and Mt. Airy | |
| Mercy Anderson and Fairfield Hospitals | |
| Veterans Administration Medical Center | |
| University Hospital | |
| St. Elizabeth South, North and Grant County Hospitals | |
| St. Luke East and West Hospitals | |

Physician, Emergency Medicine

| | |
|--|-------------|
| Children's Hospital Medical Center, Cincinnati, OH | 1995 – 2000 |
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PROFESSIONAL ORGANIZATIONS

| | |
|--|----------------|
| South Carolina Medical Association | 2009 – Present |
| South Carolina Chapter, American College of Emergency Medicine | 2008 – Present |
| International Stroke Society | 2002 – Present |
| American College of Emergency Physicians | 1998 – Present |
| American Heart Association / Stroke Council | 1997 – Present |
| National Stroke Association | 1997 – Present |
| Society for Academic Emergency Medicine | 1996 – Present |
| Ohio Chapter, American College of Emergency Physicians | 1998 – 2008 |
| Ohio State Medical Association | 1995 – 2004 |
| American Medical Association | 1989 – 2004 |
| American Society of Biomechanics | 1988 – 1993 |
| International Society for Fracture Repair (charter member) | 1987 – 1993 |
| National Society of Professional Engineers | 1982 – 1991 |

COMMITTEES

National

American College of Emergency Physicians

| | |
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| Standards of care review panel | 2008 – Present |
| Research committee, Liaison subcommittee | 2007 – Present |
| Liaison to American Heart Association Post Circulatory Arrest Syndrome Working group | 2006 – Present |
| Member, Emergency Medicine Research Section | 2006 – Present |
| Liaison to American Stroke Association Comprehensive Stroke Center Committee | 2005 – Present |
| Chair, Scientific Review Committee | 2008 – Present |
| Clinical Study Section Chair, Scientific Review Committee | 2004 – 2008 |
| Scientific Review Committee | 2001 – Present |

American Heart Association

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| Vice Chair and Chair Elect, Stroke Council Leadership Committee | 2009 – Present |
| Stroke Scientific Oversight Committee | 2009 – Present |
| Stroke Long Range Planning Committee | 2009 – Present |
| American Stroke Association Liaison, Emergency Cardiovascular Care Committee | 2007 – Present |
| <i>Ad hoc</i> member, State Stroke Systems Planning Initiative Committee | 2007 – Present |
| Chair, American Stroke Association / Emergency Cardiovascular Care Task Force | 2007 – Present |
| Acute Stroke Designation Advisory Committee | 2007 – 2008 |
| Chair, Stroke Task Force, Emergency Cardiovascular Care (ECC) – ILCOR 2010 Consensus on Sci. | 2006 – Present |
| Chair, Emergency Neurovascular Care Committee | 2006 – 2009 |
| Writing Group member – | |
| Primary stroke prevention guidelines, Chair | 2008 – Present |
| Acute ischemic stroke guidelines | 2005 – Present |
| Telemedicine in acute stroke guidelines | 2006 – Present |
| Metrics of comprehensive stroke centers guidelines | 2006 – Present |
| Prehospital care in acute stroke guidelines | 2006 – 2008 |
| Member-at-large, Stroke Council Leadership Committee | 2005 – Present |
| Member, Scientific Advisory Committee | 2004 – 2007 |
| Chairman Stroke Task Force, Emergency Cardiovascular Care (ECC) – ILCOR 2005 Consensus on Sci. | 2003 – 2006 |
| Advanced Cardiac Life Support Committee, ECC | 2003 – 2006 |

Foundation for Education and Research in Neurologic Emergencies

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| Advisory Board | 2003 – Present |
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| <i>National Institutes of Health</i> | |
| Co-chair, NIH Emergency Medicine Research Roundtable | 2008 |
| National Institute for Neurologic Disorders and Stroke | |
| Research Core Data Element Working Group | 2009 – Present |
| NINDS “Know Stroke” Program Sponsor, Charleston SC | 2009 |
| Field Administration of Stroke Therapy – Magnesium Trial (U01NS044364) DSMB | 2006 – Present |
| Stroke Progress Review Group – Health Services Implementation Group | 2006 |
| Emergency Medicine Neurology Clinical Trials Network Group | 2004 |
| <i>National Stroke Association</i> | |
| Professional Advisory Council | 2006 – Present |
| Professional Meetings Program Planning Committee | 2005 – Present |
| Co-chair, Act for Stroke Program, National Stroke Association | 2004 – 2008 |
| <i>Society for Academic Emergency Medicine</i> | |
| Industry Relations Committee | 2008 – Present |
| Clinical Guidelines Committee | 2007 – Present |
| Neurologic Emergencies Interest Group | 1998 – Present |
| Organizing Committee, Resuscitative Hypothermia, Academic Industry Roundtable, Boston, MA | 2003 |
| Chairman, Neurologic Emergencies Interest Group | 2001 – 2004 |
| Regional | |
| South Carolina Department of Health State Stroke Systems Task Force | 2008 – Present |
| Council on Stroke Education and Prevention, Ohio Department of Health | 2001 – 2005 |
| Regional Autism Advisory Council | 2000 – 2008 |
| Steering Committee, Children’s Hospital Center for Developmental Disorders | 1999 – 2007 |

ADMINISTRATIVE

| | |
|---|----------------|
| <i>Medical University of South Carolina</i> | |
| Promotion and Tenure Committee, Department of Medicine | 2009 – Present |
| Comprehensive Cerebrovascular Center Planning Committee | 2008 – Present |
| Stroke Steering Subcommittee | 2008 – Present |
| Emergency Medicine Practice Plan Committee | 2008 – Present |
| <i>University of Cincinnati / The University Hospital</i> | |
| Program Director, ACLS, University Hospital | 2005 – 2008 |
| Physicians for Compassionate Care Steering Committee | 2005 – 2007 |
| Department of Emergency Medicine Reappointment, Promotion and Tenure Committee | 1999 – 2008 |
| Research Committee, The Neuroscience Institute | 1998 – 2008 |
| Implementation Committee, The Neuroscience Institute | 1998 – 2008 |
| Rapid Diagnostic & Treatment Unit Planning Committee | 1997 – 2006 |
| PHAMIS Electronic Medical Records Development Committee / Health Alliance of Greater Cincinnati | 1997 – 1999 |
| <i>University of Cincinnati / Children’s Hospital Medical Center</i> | |
| Director, Emergency Medicine Stroke Elective | 2006 – 2008 |
| Director, Department of Emergency Medicine Biosample Repository | 1998 – 2008 |
| Faculty, Children’s Hospital Medical Center Injury Prevention Course | 1998 – 2003 |
| Faculty advisor, Emergency Medicine Club | 1997 – 2001 |
| Director, Area Health Education Centers Coordinator, Emergency Medicine | 1998 – 2000 |
| Director, Fourth year medical student education, Emergency Medicine | 1997 – 2000 |
| Director, First and second year medical student education, Department of Emergency Medicine | 1997 – 2000 |
| <i>University of Kansas</i> | |
| Director, Research and Basic Science Education, Section of Orthopaedic Surgery, Dept of Surgery | 1992 – 1993 |
| <i>Good Shepherd Orphanage & Clinic, Port-au-Prince, Haiti</i> | |
| Medical Mission Director | 1998 – 2008 |

ADDITIONAL TRAINING

| | |
|--|----------------|
| American College of Physician Executives Physician in Management Course | 2009 |
| Advanced Cardiac Life Support Provider and Instructor | 2008 |
| Advanced Trauma Life Support Provider | Present |
| Emergency Ultrasound Course, South Carolina of College Emergency Physicians | 2005 |
| Emergency Responder Nuclear, Biological and Chemical Technician Hospital Provider Course, US Army Medical Command | 1999 |
| OSHA / EPA Hazardous Materials Incident Response (165.5), Operations Course | 1996 |
| Disaster Medical Assistance Team/Red Cross Team | 1995 – Present |

PUBLICATIONS

Section Editor / Author

- Jauch EC**, *Preparing for the Written Board Exam in Emergency Medicine*, Fifth edition, Carol Rivers Editor. EMEE Publishers, 2004.
- Jauch EC**, Brain and Nervous System, PEPID 2000 – Portable Emergency Physician Information Database, Pepid LLC, Evanston, IL, 2001.
- Jauch EC**, *Preparing for the Written Board Exam in Emergency Medicine*, Fourth edition, Carol Rivers Editor. EMEE Publishers, 2001.

Book Chapters

- Jauch EC**, Sean P. Barbabella, Frank Fernandez. Chapter 5: ENT Conditions, Photographic Atlas of Emergency Medicine. Knoop, Stack, and Storrow, Editors. Third edition, McGraw-Hill Publishers, 2009.
- Jauch EC**, Brent Gottesman. Chapter 6: Mouth Conditions, Photographic Atlas of Emergency Medicine. Knoop, Stack, and Storrow, Editors. Third edition, McGraw-Hill Publishers, 2009.
- Jauch EC**, Crocco T. Acute Stroke. The Textbook of Emergency Cardiovascular Care and CPR. Field, Bresler, Kudehnhuk, Mattu, O'Conner, Silvers, VandenHoek editors. Lippincott Williams & Wilkens, 2008.
- Stettler BA, **Jauch EC**. Chapter 98 Neurologic Procedures, Emergency Medicine. James G. Adams, Ed. Elsevier, Inc, 2008.
- Flaherty M, **Jauch EC**, Kothari RU, Broderick JB. Chapter 8: Intravenous Thrombolytic Therapy for Acute Ischemic Stroke. Results of Large, Randomized Clinical Trials, Thrombolytic Therapy for Stroke. Patrick D. Lyden, Ed. Humana Press, 2005.
- Jauch EC**, Knoop K, Kaufman T. Chapter 5: ENT Conditions, Photographic Atlas of Emergency Medicine. Knoop, Stack, and Storrow, Editors. Second edition, McGraw-Hill Publishers, 2002.
- Turner ED, **Jauch EC**. Chapter 6: Mouth Conditions, Photographic Atlas of Emergency Medicine. Knoop, Stack, and Storrow, Editors. Second edition, McGraw-Hill Publishers, 2002.
- Jauch EC**, Kissela B, McNeil P, *Acute Stroke Management*, eMedicine Neurology online text, 2001 – Present.
- Kaufman T, **Jauch EC**, Kissela B. *Inhalants*, eMedicine Neurology online text, 2001 – Present.
- Jauch EC**, Knoop K, Trott A. Chapter 5: ENT Conditions, Photographic Atlas of Emergency Medicine. Knoop, Stack, and Storrow, Editors. McGraw-Hill Publishers, 1996.
- Turner ED, **Jauch EC**, Gahm SJ. Chapter 6: Mouth Conditions, Photographic Atlas of Emergency Medicine. Knoop, Stack, and Storrow, Editors. McGraw-Hill Publishers, 1996.

Publications

- Kleindorfer D, Broderick JP, Khoury J, Woo D, Flaherty ML, Alwell K, Moomaw CJ, Pancioli A, **Jauch E**, Miller R, Kissela BM. Emergency Department Arrival Times After Acute Ischemic Stroke During the 1990s. *Neurocritical Care*, In Press.
- Birkhahn RH, **Jauch E**, Kramer DA, Nowak RM, Raja AS, Summers RL, Weber JE, Diercks DB; on behalf of the SAEM Industry Relations Committee, 2008–2009. A Review of the Federal Guidelines That Inform and Influence Relationships Between Physicians and Industry. *Acad Emerg Med*. 2009;16:776-781.
- del Zoppo GJ, Saver JL, **Jauch EC**, Adams HP. Expansion of the Time Window for Treatment of Acute Ischemic Stroke with Intravenous Tissue Plasminogen Activator – An Advisory Statement From the Stroke Council, American Heart Association and American Stroke Association. *Stroke*. 2009 Aug;40(8):2945-8
- Schwamm LS, Holloway RG, Amarenco P, Audebert HJ, Bakas T, Chumbler NR, Handschu R, **Jauch EC**, Knight WA, Levine SR, Mayberg M, Meyer BC, Meyers PM, Skalabrin E, Wechsler LR. A Review of the Evidence for the Use of Telemedicine within Stroke Systems of Care – A Scientific Statement from the American Heart Association. *Stroke*. 2009 Jul;40(7):2616-34.

- Adeoya O, Lindsell C, Broderick J, Alwell K, **Jauch E**, Moomaw CJ, Flaherty ML, Pancioli A, Kissela B, Kleindorfer D. Emergency medical services use by stroke patients: a population-based study. *Amer J Emerg Med* 27: 141-45, 2009.
- Laskowitz DT, Kasner SE, Saver J, Remmel KS, **Jauch EC**; BRAIN Study Group. Clinical usefulness of a biomarker-based diagnostic test for acute stroke: The Biomarker Rapid Assessment in Ischemic Injury (BRAIN) study. *Stroke* 40: 77-85, 2009.
- Torbey MT, **Jauch E**, Liebeskind DS. Thrombolysis 3 to 4.5 hours after acute ischemic stroke. Acute Stroke Advisory Board of the National Stroke Association. *NEJM* 359(13): 1317-29, 2008.
- Nolan JP, Neumar RW, Adrie C, Aibiki M, Berg RA, Böttiger BW, Callaway C, Clark RSB, Geocadin RG, **Jauch EC**, Kern KB, Laurent I, Longstreth WT, Merchant RM, Morley P, Morrison LJ, Nadkarni V, Peberdy M, Rivers EP, Rodriguez-Nunez A, Sellke FW, Spaulding C, Sunde K, Vanden Hoek T. Post-Cardiac Arrest Syndrome: Epidemiology, pathophysiology, treatment, and prognostication. A Consensus Statement From the International Liaison Committee on Resuscitation. *Circulation* 118: 2452-83 and *Resuscitation* 79(3): 350-79, 2008.
- Xu H, Tang Y, Liu DZ, Ran R, Ander BP, Apperson M, Liu XS, Khoury JC, Gregg JP, Pancioli A, **Jauch EC**, Wagner KR, Verro P, Broderick JP, Sharp FR. Gene expression in peripheral blood differs after cardioembolic compared with large-vessel atherosclerotic stroke: biomarkers for the etiology of ischemic stroke. *J Cereb Blood Flow Metab* 28(7): 1320-28, 2008.
- Messé SR, **Jauch EC**. Transient Ischemic Attacks: Diagnostic Evaluation. *Ann Emerg Med* 52(2): S17-26, 2008.
- Khatri p, Hill MD, Palesch YY, Spilker J, **Jauch EC**, Carrozzella JA, Demchuk AM, Martin R, Mauldin P, Dillon C, Ryckborst KJ, Janis S, Tomsick TA, Broderick JB. Methodology of the Interventional Management of Stroke III Trial. *Int J Stroke* 3(2): 130-37, 2008.
- Heitsch L, **Jauch EC**. Management of hypertension in the setting of acute ischemic stroke. *Curr Hypertens Rep* 9(6): 506-11, 2007.
- Gazmuri RJ, Nadkarni VM, Nolan JP, Arntz HR, Billi JE, Bossaert L, Deakin CD, Finn J, Hammill WW, Handley AJ, Hazinski MF, Hickey RW, Jacobs I, **Jauch EC**, Kloeck WG, Mattes MH, Montgomery WH, Morley P, Morrison LJ, Nichol G, O'Connor RE, Perlman J, Richmond S, Sayre M, Shuster M, Timerman S, Weil MH, Weisfeldt ML, Zaritsky A, Zideman DA; International Liaison Committee on Resuscitation. *Circulation* 116(21): 2501 and *Resuscitation* 75(3): 400-11, 2007.
- Crocco TJ, Grotta JC, **Jauch EC**, Kasner SE, Kothari RU, Larmon BR, Saver JL, Sayer MR, Davis SM. EMS Management of Acute Stroke – Prehospital Triage (Resource Document to NAEMSP Position Statement). *Prehosp Emerg Care* 11(3): 313-17, 2007.
- Williams JB, **Jauch EC**, Lindsell CJ, Begona Campos B. Endothelial microparticle levels are similar in acute ischemic stroke and stroke mimics due to activation and not apoptosis / necrosis. *Acad Emerg Med* 14: 685-90, 2007.
- Adams HP, del Zoppo G, Alberts MJ, Bhatt DL, Brass L, Furlan A, Grubb RL, Higashida R, **Jauch EC**, Kidwell C, Lyden P, Morgenstern LC, Qureshi AI, Rosenwasser RH, Scott PA, Wijedicks EF; American Heart Association/American Stroke Association Stroke Council; American Heart Association/American Stroke Association Clinical Cardiology Council; American Heart Association/American Stroke Association Cardiovascular Radiology and Intervention Council; Atherosclerotic Peripheral Vascular Disease Working Group; Quality of Care Outcomes in Research Interdisciplinary Working Group. Guidelines for the Early Management of Adults With Ischemic Stroke. A Guideline From the American Heart Association/American Stroke Association Stroke Council; Clinical Cardiology Council; Cardiovascular Radiology and Intervention Council; Atherosclerotic Peripheral Vascular Disease Working Group; Quality of Care Outcomes in Research Interdisciplinary Working Groups. *Circulation* 115(20): e478-534 and *Stroke* 38(5): 1655-711, 2007.
- Cooper D, **Jauch EC**, Flaherty M. Critical pathways for the management of stroke and intracerebral hemorrhage. A survey of US hospitals. *Crit Pathways in Cardiol* 6: 18-23, 2007.
- Fisher M, Hanley DF, Howard G, **Jauch EC**, Warach S. Recommendations from the STAIR V meeting on acute stroke trials, technology and outcomes. *Stroke* 38: 245-48, 2007.
- Jauch EC**. Diagnosis and treatment of seizures in the Emergency Department. *Emerg Med (Suppl)*: 11-14, 2006.
- Adeoye O, **Jauch EC**. Management of arterial hypertension in patients with acute stroke. *Curr Treat Options Neurol* 8(6): 477-85, 2006.
- Jauch EC**, Laskowitz DL. Can d-dimer levels identify patients at risk for early neurological deterioration in acute ischemic stroke? *Nature Clin Pract Neurol* 2(11): 590-91, 2006.
- Jauch EC**, Lindsell C, Broderick J, Fagan SC, Tilley BC, Levine SR. Association of Serial Biochemical Markers With Acute Ischemic Stroke. The National Institute of Neurological Disorders and Stroke Recombinant Tissue Plasminogen Activator Stroke Study. *Stroke* 37(10): 2508-13, 2006.
- Lindberg DM, **Jauch EC**. Images in cardiovascular medicine. Neurogenic T waves preceding acute ischemic stroke. *Circulation* 114(9): e369-70, 2006.
- Jauch EC**, Lindsell CJ, Adeoye O, Khoury J, Barsan W, Broderick J, Pancioli A, Brott T. Lack of evidence for an association between hemodynamic variables and hematoma growth in spontaneous intracerebral hemorrhage. *Stroke* 37(8): 2061-65, 2006.
- Tang Y, Xu H, Du X, Lit L, Walker W, Lu A, Ran R, Gregg JP, Reilly M, Pancioli A, Khoury JC, Sauerbeck LR, Carrozzella JA, Spilker J, Clark J, Wagner KR, **Jauch EC**, Chang DJ, Verro P, Broderick JP, Sharp FR. Gene expression in blood

- changes rapidly in neutrophils and monocytes after ischemic stroke in humans: A microarray study. *J Cerebr Blood Flow Metab* 26(8): 1089-102, 2006.
- Kleindorfer DO, Lindsell CJ, Broderick JP, Flaherty ML, Woo D, Ewing I, Schmit P, Moomaw C, Alwell K, Pancioli A, **Jauch E**, Khoury J, Miller R, Schneider A, Kissela BM. Community socioeconomic status and prehospital times in acute stroke and transient ischemic attack: Do poorer patients have longer delays from 911 call to the emergency department? *Stroke* 37(6): 1508-13, 2006.
- Yang Y, Xu H, Lit L, Walker W, Lu A, Ran R, Gregg JP, Reilly M, Pancioli A, Khoury JC, Sauerbeck L, Carrozzella J, Spilker J, Clark J, Wagner KR, **Jauch EC**, Chang DJ, Verro P, Broderick JP, Sharp FR. Gene expression in blood changes rapidly in neutrophils and monocytes after ischemic stroke in humans: A microarray study. *J Cerebr Blood Flow Metab*. advanced online publication, 4 January, 2006.
- Jauch EC**. What is the safety, effectiveness and feasibility of hypothermia for acute ischemic stroke? 2005 ECC Guideline Worksheet. *Circulation* 112(22 Supp): b1-b14, 2005.
- Sayre M, **Jauch EC**, eds. 2005 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care, Part 9: Adult Stroke. *Circulation* 112 (suppl IV): IV-111, 2005.
- Fisher M, for the Stroke Therapy Academic Industry Roundtable IV. Enhancing the Development and Approval of Acute Stroke Therapies. *Stroke* 36: 1808-13, 2005.
- Stettler BA, **Jauch EC**, Kissela B, Lindsell CJ. Neurologic education in emergency medicine training programs. *Acad Emerg Med* 12(9): 909-11, 2005.
- Woo D, Kaushal R, Chakraborty R, Woo J, Haverbusch M, Sekar P, Kissela B, Pancioli A, **Jauch E**, Kleindorfer D, Flaherty M, Schneider A, Khatri P, Sauerbeck L, Khoury J, Deka R, Broderick J. Association of apolipoprotein E4 and haplotypes of the apolipoprotein e gene with lobar intracerebral hemorrhage. *Stroke* 36(9): 1874-79, 2005.
- Kleindorfer D, Panagos P, Pancioli AM, Khoury MS, Kissela B, Woo D, Schneider A, Alwell K, **Jauch E**, Miller R, Moomaw C, Shukla R, Broderick JP. Incidence and short-term prognosis of TIA in a population-based study. *Stroke* 36(4): 720-23, 2005.
- Kleindorfer D, Hill MD, Woo D, Tomsick T, Pancioli A, Kissela B, Demchuk AM, Losiewicz D, **Jauch E**, Schneider A, Ringer A, Kanter D, Broderick JP. A description of Canadian and United States physician reimbursement for thrombolytic therapy administration in acute ischemic stroke. *Stroke* 36(3): 682-87, 2005.
- Flaherty ML, Woo D, Kissela B, **Jauch EC**, Pancioli A, Carrozzella J, Spilker J, Sekar P, Broderick J, Tomsick T. Combined IV and intra-arterial thrombolysis for acute ischemic stroke. *Neurology* 64: 386-88, 2005.
- Wagner K, **Jauch EC**. Extending the window for acute stroke treatment: Thrombolytics plus CNS protective therapies. *Exp Neurol* 188(2): 195-99, 2004.
- Morgan CJ, Pyne-Geithman GJ, **Jauch EC**, Shukla R, Wagner K, Clark JF, Zuccarello M. Bilirubin as a cerebrospinal fluid marker of sentinel subarachnoid hemorrhage: A preliminary report in pigs. *J Neurosurg* 101: 1026-29, 2004.
- Ma M, Lindsell CJ, **Jauch EC**, Pancioli AM. Impact of education and guidelines for treatment of uncomplicated dental pain on patient and provider behavior. *Acad Emerg Med* 44(4): 323-29, 2004.
- Schneider AT, Kissela B, Woo D, Kleindorfer D, Alwell K, Miller R, Szaflarski J, Gebel J, Khoury J, Shukla R, Moomaw C, Pancioli A, **Jauch E**, Broderick J. Ischemic Stroke Subtypes. A population-based study of incidence rates among blacks and whites. *Stroke* 35(7): 1552-56, 2004.
- Woo D, Haverbusch M, Sekar P, Kissela B, Khoury J, Schneider A, Kleindorfer D, Szaflarski J, Pancioli A, **Jauch E**, Moomaw C, Sauerbeck L, Gebel J, Broderick J. Effect of untreated hypertension on hemorrhagic stroke. *Stroke* 35(7): 1703-08, 2004.
- Dugan A, Malarkey W, **Jauch EC**, Schwemberger S, Ogle C, Horseman N. Serum levels of prolactin growth hormone and cortisol in burn patients: Correlations with severity of burn, serum cytokine levels, sepsis and fatality. *J Burn Care Rehab* 25(3): 306-13, 2004.
- Woo D, Kissela BM, Khoury JC, Sauerbeck LR, Haverbusch MA, Szaflarski JP, Gebel JM, Pancioli AM, **Jauch EC**, Schneider A, Kleindorfer D, Broderick JP. Hypercholesterolemia, HMG-CoA reductase inhibitors, and risk of intracerebral hemorrhage: A case-control study. *Stroke* 35: 1360-64, 2004.
- Kissela B, Schneider A, Kleindorfer D, Khoury J, Miller R, Alwell K, Woo D, Szaflarski J, Gebel J, Moomaw C, Pancioli A, **Jauch E**, Shukla R, Broderick J. Stroke in a biracial population: The excess burden of stroke among blacks. *Stroke* 35(2): 426-31, 2004.
- Kleindorfer D, Kissela B, Schneider A, Woo D, Khoury J, Miller R, Alwell K, Gebel J, Szaflarski J, Pancioli A, **Jauch E**, Moomaw C, Shukla R, Broderick JP. Eligibility for recombinant tissue plasminogen activator in acute ischemic stroke: A population-based study. *Stroke* 35(2): 27-29, 2004.
- Jauch EC**. Society for Academic Emergency Medicine (SAEM) neurologic emergencies interest group response to the SAEM board position on optimizing care of the stroke patient. *Acad Emerg Med* 11(1): 116-18, 2004.
- Ma M, **Jauch EC**. A case of Lemierre's syndrome. *Eur J Emerg Med* 10(2): 139-42, 2003.
- Crocco T, Gullett T, Davis SM, Flores N, Sauerbeck L, **Jauch E**, Threlkeld B, Pio B, Ottaway M, Pancioli A, Chenier T. Feasibility of neuroprotective agent administration by prehospital personnel in an urban setting. *Stroke* 34(8): 1918-22, 2003.

Kleindorfer D, Schneider A, Kissela BM, Woo D, Khoury J, Alwell K, Miller R, Gebel J, Szaflarski J, Pancioli A, **Jauch E**, Moomaw C, Shukla R, Broderick JP. The effect of race and gender on patterns of rt-PA use within a population. *J Stroke Cerebrovasc Dis* 12(5): 217-20, 2003.

Recommendations for advancing development of acute stroke therapies: Stroke Therapy Academic Industry Roundtable 3. *Stroke*. 34(6): 1539-46, 2003.

Crocco TJ, Moreno R, **Jauch EC**, Racine AN, Pio BJ, Liu T, Kothari R. Teaching ACLS stroke objectives to prehospital providers: A case based approach. *Prehosp Emerg Care* 7: 229-34, 2003.

Gebel JM, **Jauch EC**, Brott TG, Khoury J, Sauerbeck L, Salisbury S, Spilker J, Tomsick TA, Duldner J, Broderick JP. Natural history of perihematomal edema in patients with hyperacute spontaneous intracerebral hemorrhage. *Stroke* 33: 2631-35, 2002.

Gebel JM, **Jauch EC**, Brott TG, Khoury J, Sauerbeck L, Salisbury S, Spilker J, Tomsick TA, Duldner J, Broderick JP. Relative edema volume is a predictor of outcome in patients with hyperacute spontaneous intracerebral hemorrhage. *Stroke* 33: 2636-41, 2002.

Panagos P, **Jauch EC**, Broderick J. Intracerebral hemorrhage. *Emer Med Clin North Am* 20: 631-56, 2002.

Thurman J, **Jauch EC**. Acute ischemic stroke: Emergent evaluation and management. *Emer Med Clin North Am* 20: 609-30, 2002.

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Jacobs RR, **Jauch EC**, Jacobs CR, Montesano PX. Biomechanical evaluation of sacral and pedicle fixation. Southern Biomechanical Engineering Conference, Shreveport, LA, September 1986.

Presentations (selected)

Acute Stroke Management in the First Critical Hours. Chinese Tiantan International Stroke Conference, Beijing China, June 20, 2009.

Critical Role of EMS in Acute Stroke Management. Inaugural Medical University of South Carolina Emergency Medical Systems Symposium, Charleston SC, May 2009.

Cerebral Resuscitation: Focus on Acute Ischemic Stroke. Department of Emergency Medicine Grand Rounds, Vanderbilt University, Nashville TN, April 20, 2009.

Stroke: The First Three Hours, Medical Treatment in the Emergency Department Spring Neuroscience Symposium, Medical University of South Carolina, Charleston SC, April 18, 2009.

Stroke in with First 3 Hours: Medical Treatment in the Emergency Department. Medical University of South Carolina Integrated Stroke and Cerebrovascular Conference, Wild Dunes SC, March 12 2009.

EMS Organization and Training for Stroke. Medical University of South Carolina Integrated Stroke and Cerebrovascular Conference, Wild Dunes SC, March 12 2009.

EMS Organization and Training for Stroke, South Carolina Department of Health and Environmental Control Annual Meeting, Columbia SC, March 2009.

Telemedicine vs Telephonic Advice for tPA Administration (debate): Moderator. American Heart Association International Stroke Conference. San Diego CA, Feb 19, 2009.

Importance of Time – How to Streamline Enrollment and Improve Times to Treatment American Heart Association International Stroke Conference. San Diego CA, Feb 19, 2009.

Study Methodology to Improve Site Performance. American Heart Association International Stroke Conference. San Diego CA, February 2009.

New Stroke Therapies and the Role of EMS. South Carolina Area Health Education Consortium Disaster Preparedness and Response Training Network Annual Summit. Columbia SC, February 2009.

Challenges, Opportunities, and Hurdles for Research in the Emergency Setting. NIH Roundtable on Opportunities to Advance Research on Neurologic and Psychiatric Emergencies, Bethesda MD, November 2008.

Prehospital and Emergency Triage Issues: How to Cut Delays, Is It Pearls or Hard Work, AIM Symposium New York City NY, November 2008.

Thrombolysis in the Emergency Department: What are We Waiting For? Society for Neurocritical Care Annual Meeting. Miami FL, October 2008.

Setting Up Prehospital and Triage Systems for the Evaluation of Stroke Patients. National Stroke Tutorial, Atlanta GA, November 2008.

Engaging the Prehospital Community in Stroke Systems of Care. National Stroke Association Regional Meeting, Minneapolis MN, Sept 2008.

Transient Ischemic Attack: Should I Stay or Should I Go Now? National Stroke Association Regional Meeting, Minneapolis MN, Sept 2008.

The Emergency Department Evaluation of Dizziness. Division of Emergency Medicine Grand Rounds, Medical University of South Carolina, Charleston SC, Sept 2008.

The Emerging Role of Emergency Medicine in Acute Neurologic Emergencies: It Should be More than Just "Page BAT Fast". Department of Neurology Grand Rounds, Medical University of South Carolina, Charleston SC, Sept 2008.

Atypical Cases in Stroke. Division of Emergency Medicine Grand Rounds, Medical University of South Carolina, Charleston SC, Sept 2008.

Computed Tomographic Angiography in Neurologic Emergencies, Society of Academic Emergency Medicine Annual Meeting. Washington DC, May 30, 2008.

Evidence-Based Practice for Pre-Hospital and Emergency Management of Ischemic and Hemorrhagic Stroke. Piecing Together Quality Stroke Care for the 21st Century. Cincinnati, OH, November 16, 2007.

Stroke Management: Current Treatments and Future Advancements. American Association of Critical-Care Nurses, Park View Hills, KY, November 3, 2007.

Stroke in the Emergency Department. National Stroke Association Regional Meeting, Cherry Hill NJ, October 22-24, 2007.

Emergency Stroke Care: Initial Management and Implications for EMS and the ED. American Heart Association Regional Meeting, Kansas City KS, October 2007.

Advances in Acute Management of Stroke: The Potential Role of Biomarkers. Invited Speaker, 2nd Russian International Congress of Stroke in St. Petersburg, Russia, September 17-20, 2007.

Emergency Medicine in Acute Ischemic Stroke and Advances in Intracerebral Hemorrhage Management. Visiting Professor, Department of Emergency Medicine, Brooke Army Medical Center. Ft Sam Houston, San Antonio TX. September 7, 2007.

Is Recombinant Activated VII Ready for Prime Time in Intracerebral Hemorrhage? New York Symposium on Neurological Emergencies and Neurocritical Care, New York City NY, July 2007.

Optimizing Thrombolytic Therapy Outcomes in Acute Ischemic Stroke. Michigan Stroke Network Meeting. Saginaw MI, May 2007.

Integrating EMS into Stroke Systems. National Stroke Tutorial, Philadelphia PA, April 13, 2007.

Advances in Acute Stroke Diagnosis. National Stroke Tutorial, Philadelphia PA, April 13, 2007.

Stroke: Initial Emergency Care. Intensive Care Session. 27th Myron B. Laver International Postgraduate Course "Perioperative Management of the Brain – Are We Doing the Right Thing?" Basel, Switzerland, May 16-17, 2007

Setting Up Pre-hospital and Triage Systems for Evaluation of Stroke Patients. National Tutorial on Stroke, Atlanta GA, March 2007.

Acute Stroke Care for Emergency Department - Advances in Biomarkers. Fourth Annual Utah Stroke Symposium, Salt Lake City UT, March 2007.

Advances in Intracerebral Hemorrhage Management. Grand Rounds, Parkview Regional Stroke Center, Ft Wayne IN, February 2007.

Acute Management of Ischemic Stroke. University of Pennsylvania Stroke Fellowship program, New Orleans, LA January 2007.

Acute Management of Subarachnoid Hemorrhage. University of Pennsylvania Stroke Fellowship program, New Orleans, LA January 2007.

Biomarkers in the Acute Stroke. University Grand Rounds. University 'La Sapienza', Rome Italy, December 2006.

rt-PA Lessons Learned (Roundtable Discussion) US Experience. Joint World Congress on Stroke, Cape Town, South Africa, October 26-29, 2006.

Neurologic Evaluation and Exam with NIH Stroke Scale Practice Video. American College of Emergency Physicians Annual Meeting Stroke Mini-Fellowship for Emergency Medicine Residents, New Orleans LA, October 2006.

Potential Role of Biomarkers in Acute Stroke. American Academy of Clinical Chemists Point of Care Conference, Quebec City Canada. September 30, 2006

Management of the Stroke Patient in a Busy Emergency Department. Emergency Nurses Association Annual Scientific Assembly. San Antonio TX, September 2006.

Mid-Atlantic Stroke Mini-Fellowship for Emergency Medicine Residents. Faculty. Philadelphia, PA, May 10-11, 2006

Incorporating New Technology into Trials: Telemedicine, Electronic Databases/CRF's and Population Kinetics in Acute Stroke Drug/Device Development. Stroke Treatment Academic Industry Roundtable. Washington, DC, March 25-26, 2006.

Plasma Biomarkers Distinguish Acute Ischemic Stroke Patients at Risk to Develop Intracerebral Hemorrhage after Thrombolytic Therapy. International Stroke Conference, Kissimmee, FL, February 15-18, 2006

Neuro-Critical Care in Emergency Medicine: Improving Outcomes on the Frontline: Acute Stroke. Foundation for Education and Research in Neurological Emergencies. New York NY, January 11, 2006

Stroke Thrombolysis: Overcoming Logistical Barriers to Effective Evaluation and Treatment in the Emergency Department. Australia Stroke Unit Heads Meeting, Melbourne, Australia, November 20, 2005

Tissue Plasminogen Activator for Acute Ischemic Stroke: The Evidence from an Emergency Physician's Perspective. Australia Stroke Unit Heads Meeting, Melbourne, Australia, November 20, 2005

Overview of Successful Regional EMS Programs: Commando Model. National Stroke Association Meeting, Orlando FL, October 2005.

Ten Things to Know in Intracerebral Hemorrhage. Foundation for Emergency Medicine Cardiac Research and Education Group, American College of Emergency Physicians Annual Meeting, Washington DC October 2005.

Emerging Tools in Stroke Diagnosis: The Potential Role of Biomarkers. Emergency Medicine Cardiac Research and Education Group, American College of Emergency Physicians Annual Meeting, Washington DC, October 2005.

The Role of the Emergency Department in Optimizing the Effect of rFVIIa in the Acute Treatment of Spontaneous Intracerebral Hemorrhage. 3rd Mediterranean Emergency Medicine Congress, Nice, France, September 2005.

Plasma Biomarkers in Shaken Baby Syndrome. 4th International Conference on Biochemical Markers for Brain Damage, Boothbay Harbor, Maine, September 2005

Emerging Tools in Stroke Diagnosis: The Potential Role of Biomarkers. National Tutorial on Stroke, Chicago IL, June 2005.

Setting Up Pre-hospital and Triage Systems for Evaluation of Stroke Patients. National Tutorial on Stroke, Chicago IL, June 2005.

On The Front Lines: How A Biomarker Test Can Impact Emergency Stroke Diagnosis. 14th European Stroke Conference, Bologna, Italy, May 2005.

Past, Present, and Future of Acute Stroke Management. St. Luke Hospitals, Professional Staff Education, Wilder, KY, April 2005.

Biomarkers for Cerebral Schema and Injury, 25th International Conference on Intensive Care and Emergency Medicine, Brussels Belgium, March 2005.

Management of Stroke, 25th International Conference on Intensive Care and Emergency Medicine, Brussels Belgium, March 2005.

Optimal ED Management of Intracerebral Hemorrhage Patients. Foundation for the Education and Research in Neurological Emergencies Symposia. American College of Emergency Physicians Regional Meeting, Orlando FL, March 2005.

Serial Biochemical Markers Are Associated with Acute Ischemic Stroke in the NINDS rt-PA Stroke Study, International Stroke Conference, New Orleans, LA, February 2005

Acute Stroke: The Role of Prehospital Care and Emergency Medicine. National Tutorial on Stroke, Washington DC, November 2004.

Acute Stroke: The Role of Emergency Medicine and Prehospital Care. National Public Health Symposium, Denver CO, November 2004.

The Potential Role of Biomarkers In Acute Neurovascular Events. Stroke Belt Consortium Annual Meeting. Orlando FL, October 2004.

Diagnosis of Stroke: The Potential of New Biomarkers. Emergency Medicine Cardiac Research and Education Group, American College of Emergency Physicians Annual Meeting, San Francisco CA, October 2004.

Emergency Department Administration of Thrombolytics in Acute Stroke, Stroke Expert Workshop, Ingelheim Germany, September 2004.

The Role of Hypothermia in Acute Stroke, International Liaison Committee for Critical Care meeting, Budapest Hungary, September 2004.

Stroke: The Who, What, and How and the Challenge of Diagnosis. American Academy of Clinical Chemistry Annual Meeting Los Angeles CA, July 2004.

Current Challenges in Diagnosing Acute Stroke in the Emergency Department. 5th World Stroke Congress, Vancouver Canada, June 2004.

Improving Outcome in Acute Stroke Patients – Speed Up Treatment Workflow. 5th World Stroke Congress, Vancouver Canada, June 2004.

Treatment of Acute Stroke in the Emergency Department. European Stroke Conference, Mannheim Germany, May 2004.

Treatment of Stroke in the Emergency Department. First Annual Stroke Symposium, University of Utah Stroke Center, Salt Lake City UT May 2004.

Advances in the Diagnosis of Stroke. Emergency Medicine Cardiac Research and Education Group, Society for Academic Emergency Medicine Annual Meeting, Orlando FL May 2004

Emergency Neurology Clinical Trials Network Workshop. National Institute of Neurological Disorders and Stroke, Bethesda MD, March 2004.

Stroke Center Development: Starting from Scratch, Emergency Room Perspective. 3rd State of the Art Stroke Nursing Symposium, San Diego CA, February 2004

Role of Emergency Medicine in Acute Stroke Treatment. National Stroke Association Meeting, Orlando FL December 2003.

Biomarkers: An Advance in the Diagnosis of Cerebral Injury. 7th Annual Joint Summit on Markers in Cardiology. Louisville KY, November 2003.

Advances in the Diagnosis of Stroke. Emergency Medicine Cardiac Research and Education Group, American College of Emergency Physicians Annual Meeting, Boston MA, October 2003.

The Role of Emergency Medicine in Acute Stroke. Boehringer Ingelheim Stroke Expert Workshop. Acapulco, Mexico, September 2003.

Advances in Emergency Medicine Acute Stroke Care. Midwest Brain and Stroke Institute Stroke Symposium, Kansas City KS, September 2003.

Developing Regional Acute Stroke Care Systems. Vanderbilt University / American Heart Association Roundtable. Nashville TN, July 2003

Resources Necessary for Interventional Stroke Program – Emergency Department. Society of Interventional Radiology Consensus Conference, Chicago IL, June 2003.

The Cincinnati Stroke Team Experience, National Institute of Neurological Disorders and Stroke Symposium, Washington D.C., Dec 2002

Advances in the Diagnosis of Acute Stroke, Emergency Medicine Cardiac Research and Education Group, American College of Emergency Physicians, Seattle WA, Oct 2002.

Advances in the Diagnosis of Acute Stroke, Emergency Medicine Cardiac Research and Education Group satellite Society for Academic Emergency Medicine conference, St. Louis MO, May 2002.

Foundation for Education and Research in Neurological Emergencies Stroke Symposium and Society for Academic Emergency Medicine conference, St. Louis MO, May 2002.

Acute Management of Stroke, The Neuroscience Institute Stroke Symposium, West Chester, OH May 2002.

Biomarkers in Acute Stroke, Stroke Treatment Academia Industry Roundtable III, Cambridge MA, April 2002.

Evaluation and Diagnosis of Stroke and Current treatment of Acute Stroke. Union Hospital, Terre Haute IN, February 2002.

Implementing Regional Stroke Care and Advances in Acute Stroke Management. Neurosciences Institute, St Francis Hospital, Cape Girardeau MO, March 2002.

Update on Acute Stroke Care, American Heart Association 20th annual conference, Cincinnati OH October 2001.

Ischemic Anterior Circulation Stroke, Foundation for Education and Research in Neurological Emergencies Stroke Symposium and American College Emergency Physicians Scientific Assembly, Chicago IL, October 2001.

Developing Serum Markers of Neurologic Injury. Emergency Medicine Cardiac Research and Education Group satellite ACEP conference, Chicago IL, October 2001.

Markers of Neurologic Injury in Patients with Stroke or CABG. Fourth Annual Joint Summit on Markers in Cardiology, Louisville KY, October 2001.

The Emergency Department Management of Acute Stroke Patients. The Neuroscience Institute conference on Cerebrovascular Disorders, Cincinnati, OH October 2001.

Aggressive Stroke Management, LifeLink Summer Critical Care Update, Grant Hospital Columbus OH, September 2001.

The Future of Stroke Care, LifeLink Summer Critical Care Update, Grant Hospital Columbus OH, August 2001.

Brain Attacks in Children and Adults. Neuroscience Nursing Conference, Methodist Hospital and Clarian Health System, Indianapolis IN, August 2001.

Ischemic Anterior Circulation Stroke, Society for Academic Emergency Medicine and the Foundation for Education and Research in Neurological Emergencies Stroke Symposium, Atlanta GA May 2001.

Recent Advances in the Treatment and Prevention of Ischemic Stroke, Pharmacy Society of Wisconsin Annual Meeting, Madison WI, April 27, 2001.

Ischemic Anterior Circulation Stroke, Foundation for Education and Research in Neurological Emergencies Stroke Symposium, Philadelphia PA Oct 25 2000.

Ethical and medical-Legal Issues in Stroke Care, Emerging Issues in Acute Stroke Care Symposium, Philadelphia PA, Oct 24 2000.

Serum Markers in Acute Neurologic Emergencies, EMCREG Pearls of Emergency Medicine Symposium, Cincinnati OH, Sept 22, 2000.

ECCU 2000 Stroke Update, 2000 International ECCU Conference, San Diego CA, Sept 23 2000.

Advances in Current Stroke Care, St Mary's Emergency Services Seminar, Evansville, IN, May 2000.

Acute Stroke Treatment, 2000 Kaiser Permanente Annual Neurology Seminar, Santa Monica CA, March 2000.

Thrombolytic Therapy for Acute Ischemic Stroke, St Francis Medical Center Grand Rounds, Grand Island, NE, February 2000.

Serum Markers for Acute Neurological Conditions. Emergency Medicine Update, Scottsdale, AZ, January, 2000.

The Next Step in Delivering Stroke Care, Monroe, LA, December, 1999.

The Stroke Team Response, AHA Regional Meeting, St Louis, MO November 5, 1999.

Serum Markers in the Diagnosis of Acute Neurologic Events, Emergency Medicine Cardiac Research and Education Group Symposium, Las Vegas NV, October 10, 1999.

The Hospital Stroke Team: The Role of the Primary Care Provider. Jewish Hospital Internal Medicine Grand Rounds, Kenwood, OH August 27, 1999.

What Have We Learned Since June 1997: Thrombolytics in Acute Ischemic Stroke, Missouri Emergency Medical Society Annual Meeting, Lake of the Ozarks, MO August 6, 1999.

Development of a Multidisciplinary Stroke Team, Washington University Stroke Team, St Louis, MO June 3, 1999.

The Role of the Emergency Physician in Acute Stroke Management, St Louis Area Emergency Department Directors Meeting, St Louis, MO June 3, 1999.

The Role of the Emergency Physician in Acute Stroke Management, Thrombolytics in Acute CVA Seminar, Cleveland, OH April 28, 1999.

Recent Advances in the Treatment of Acute Ischemic Stroke, Kentucky ACEP, Lexington KY, April 15, 1999.

Controversies in Thrombolytic Use for Stroke, Massachusetts ACEP, Boston MA, April 13, 1999.

Facial Trauma: Prehospital Management. Jewish Hospital, Southwest Ohio Regional EMS Meeting, December 15, 1998.

Thrombolytics in Acute Ischemic Stroke: Emergency Medicine Perspective, Kentucky ACEP, Louisville KY, November 1998.

Evolving Role of EMS in Acute Stroke Management, New York State EMS Annual Meeting, Syracuse, NY, November 1998.

Advances in Thrombolytic Therapy for Ischemic Stroke. Hamot Medical Center Neurological Disorders Conference, Erie, PA, September 18, 1998.

Development of Multidisciplinary Stroke Teams. Lincoln NB, July 15, 1998.

Advances in Stroke Treatment and Public Education Efforts, Regional American Heart Association Annual Meeting, Hamilton, OH, June 9, 1998.

Therapeutic Window for Thrombolytics and Neuroprotectives in Acute Ischemic Stroke, National Institute for Health, Brain Attack Coalition / NINDS, Washington DC, June 8, 1998.

Acute Stroke Care in the Emergency Department, Parkland Hospital Department of Emergency Medicine Grand Rounds, Dallas TX, June 2, 1998.

Developing Strategies in Acute Stroke Care, Minnesota ACEP Annual Meeting, Minneapolis MN, May 8, 1998.

Recent Advances in Stroke Therapy. 11th Annual Trauma Care Symposium, Newport KY April 3, 1998.

Current Management of Acute Stroke, Owensboro Mercy Medical System Program, Owensborough KY, March 30, 1998.

Identification, Triage, and Treatment of Stroke Patients in the Community Emergency Department, Parkview Hospital Stroke Symposium, Ft. Wayne IN, January 17, 1998.

Thrombolytics in the Treatment of Acute Ischemic Stroke, St. Joseph's Medical Center, South Bend, IN, December 2, 1997.

Advanced procedural skills course, University Hospital Air Medical Nursing Staff, Cincinnati OH, November 3, 1997.

Successes in the Treatment of Acute Ischemic Stroke, Radford Community Hospital Regional Trauma Conference, Radford, VA, October 9, 1997.

Advances in Thrombolytic Therapy for Stroke, Jewish Hospital Internal Medicine Grand Rounds. Cincinnati, OH, September 16, 1997.

Instructor, Flight Nurse Advanced Trauma Course. Cincinnati, OH, November 1, 1996.

Case Studies and Differential Diagnoses, Comprehensive Emergency Nursing Review Course, Cincinnati, OH. June 1996.

AD HOC JOURNAL REVIEWER

Academic Emergency Medicine
 Annals of Emergency Medicine
 European Journal of Emergency Medicine
 Emergency Medicine Reports
 Experimental Neurology
 Journal of Neurochemistry
 Journal of Neurology, Neurosurgery, and Psychiatry
 Nature Clinical Practice Neurology
 Stroke

NATIONAL MULTIMEDIA EDUCATIONAL PRODUCTIONS

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| Primary stroke prevention DVD, AHA, Advances in the Treatment of Cardiovascular Disease series | 2007 |
| Emergency Medical Service Training video, National Stroke Association | 2007 |
| iTEAM Intracerebral Hemorrhage Critical Pathways CME Workshop | 2006 |
| Lytics in Practice Clinical Expertise for Emergency Medicine Residents | 2005 |
| ACT for Stroke Education Awareness Initiative | 2004 |

RESEARCH SUPPORT

Active

2 P50 NS044283-06 Broderick (Prg Dir) Jauch (PI-Proj 2) 09/30/02–04/30/13
NIH/NINDS Effort: 2.4 months
SPOTRIAS Recanalization Therapies and Markers of Stroke Outcome – The SPOT Sign for Predicting and Treating ICH Growth Study (STOP-IT Study)
The goals of this phase II study are to establish the usefulness of CT angiography for predicting hematoma growth, to determine the accuracy of non-radiologists at identifying the spot sign, to demonstrate the feasibility of using CTA in the acute setting in a randomized treatment trial, and to provide preliminary efficacy data for rFVIIa treatment in this setting.
Role on Project: Principal Investigator on Project 2

5 U01 NS054630-04 Palesch (PI) 09/15/05–05/31/10
NIH/NINDS Effort: 1.2 months
Statistical and Data Coordinating Center for ALIAS and IMS III Trials
This project studies the therapeutic benefit of the administration of human albumin to patients experiencing acute ischemic stroke.
Role on Project: Co-Investigator

5 R01 NS049428-05 Pyne-Geithman (PI) 02/04/05–01/31/10
NIH/NINDS Effort: 0 months
Cerebral Vasospasm After Subarachnoid Hemorrhage
The goal of this study is to determine the mechanism of smooth muscle contraction during CV after SAH.
Role on Project: Other Significant Contributor

5 U01 NS052220-04 Broderick (PI) 09/15/05–11/30/10
NIH/NINDS Effort: 3.0 months
Interventional Management of Stroke Study
The aim of this phase III randomized, open-label, multi-center study is to determine if ischemic stroke subjects treated with rt-PA, utilizing a combined IV/IA approach to recanalization started within 3 hours of onset, are more likely to have a favorable outcome at 3 months (Rankin 0-2) as compared to subjects treated with standard IV rt-PA alone.
Role on Project: Co-Investigator

Pending

None at present.

Completed (last three years)

5 U54 EB007954-02

Beyette (PI)

09/30/07–06/30/12

NIH/NIBIB

Point of Care Center for Emerging Neurotechnologies (POC-CENT) – Project 1 and Project 3

This overall project is dedicated to the development of technologies to improve health care of the neurologic patient by providing fast and reliable information about the biological events occurring to this population. Specifically, the function of CORE 1 is to establish a process for conducting in-house clinical trials necessary for verification and validation of prototype devices.

Even though this project is ongoing, Dr. Jauch's role was completed upon transfer to MUSC.

Role on Project: Co-Investigator

5 U10 NS058982-02

Pancioli (PI)

09/01/06–08/31/11

NIH/NINDS

The Greater Cincinnati/Northern Kentucky NETT Network Hub and Spoke System

The major goal of our Hub and Spoke system is to become a powerful force in recruitment of patients into the broad spectrum of acute neurological clinical trials that are engaged by the NETT Network.

Even though this project is ongoing, Dr. Jauch's role was completed upon transfer to MUSC.

Role on Project: Co-Investigator

U54 EB007954

Beyette/Clark (PI)

10/01/07–09/30/12

NIH/NIBIB

Point of Care Center for Emerging Neurotechnologies – Core 3: Point-of-Care Center for Emerging Neuro Technologies (POC-CENT)

Our Center entitled, "Point-of-Care Center for Emerging Neuro Technologies (POC-CENT)" is dedicated to the development of technologies that will dramatically improve the care and health of the neurologic patient by providing fast and reliable information about the biological events occurring in this patient population. Point of care center for emerging neuro technologies is focusing on developing diagnostic technologies for Neuro Emergencies where information is needed by the physician quickly. The remit for the technologies to be developed is to advance point of care information and information flow for the neuro patient in the emergency room, neurosurgery suite, for neuro radiology and the neuro intensive care unit. Indeed anytime the physician requires rapid information from the neuro patient will be considered. This will include but not be limited to: blood tests, urinalysis, imaging, non-invasive sensors, spinal fluid, and biopsy / tissue samples.

Even though this project is ongoing, Dr. Jauch's role was completed upon transfer to MUSC.

Role on Project: Principal Investigator on Core 3