

J. Ricardo Carhuapoma, M.D, F.A.H.A.

FACULTY APPOINTMENTS

- July 2004 to present: Faculty at the level of Assistant Professor of Neurology, Neurological Surgery and Anesthesiology/Critical Care Medicine, Division of Neurosciences Critical Care, The Johns Hopkins University School of Medicine
- September 2001-June 2004: Faculty at the level of Assistant Professor of Neurology and Neurological Surgery, Neurosciences Critical Care Program, Wayne State University School of Medicine, Detroit, Michigan.
- July 2000 - August 2001: Faculty at the level of Assistant Professor of Neurology, Division of Critical Care Neurology, Columbia University College of Physicians and Surgeons, New York, NY
- July 1999 - June 2000: Faculty at the level of Instructor, Department of Neurology, Division of Neurosciences Critical Care, The Johns Hopkins Hospital, Johns Hopkins University School of Medicine, Baltimore Maryland

HOSPITAL APPOINTMENTS

- July 2004 to present: Attending Neurologist, Department of Neurology, The Johns Hopkins Hospital and Johns Hopkins Bayview Medical Center.
- September 2001-June 2004: Attending Neurologist, Department of Neurology and Neurological Surgery, Detroit Receiving Hospital/ Detroit Medical Center, Detroit, Michigan.
- July 2000 - August 2001: Attending Neurologist, Department of Neurology, Columbia Presbyterian Medical Center, New York, NY
- July 1999 - June 2000: Attending Neurologist, Department of Neurology, The Johns Hopkins Hospital, Baltimore Maryland.
- Attending Neurologist, Department of Neurology, Johns Hopkins Bayview Medical Center, Baltimore Maryland.

SERVICE: PATIENT CARE

- July 2004 to present: Patient care in the field of Critical Care Neurology, The Johns Hopkins Hospital/Johns Hopkins Bayview Medical Center
- 2001 June 2004: Patient care in the field of Neurosciences Critical Care, Detroit Receiving Hospital, Wayne State University, Detroit MI.
- 2000 2001: Patient care in the field of Critical Care Neurology, Neurological Institute and Columbia Presbyterian Medical Center, New York, New York, Columbia University,
- 1999 2000: Patient care in the field of Critical Care Neurology, The Johns Hopkins Hospital/Johns Hopkins Bayview Medical Center
- 1997 1999: Supervised (in training) patient care in the field of Neurosciences Critical Care, The Johns Hopkins Hospital, Baltimore, Maryland.
- 1993 1997: Supervised (in training) patient care in the field of Medicine and Neurology. Departments of Internal Medicine (1993 - 1994) and Neurology (1994 - 1997), Henry Ford Hospital, Detroit Michigan.

PERSONAL DATA

- Office Address: The Johns Hopkins Hospital
Neurosciences Critical Care Division
Mayer 8-140
600 N Wolfe Street
Baltimore, MD 21287
- Home phone number: (410) 532 8777
- Work phone number: (410) 955 7461
- Fax number: (410) 614 7903
- E-mail address: jcarhua1@jhmi.edu

EDUCATION AND TRAINING

- July 1998- June 1999 Senior clinical/research fellow in NeuroCritical Care, Departments of Neurology, Neurosurgery and Critical Care Medicine and Anesthesiology, The Johns Hopkins University School of Medicine.

July 1997- June 1998	Junior clinical/research fellow in NeuroCritical Care, Departments of Neurology, Neurosurgery and Critical Care Medicine and Anesthesiology, The Johns Hopkins University School of Medicine. Eleanor Dana Fellow in NeuroCritical Care, The Johns Hopkins University School of Medicine.
July 1997- June 1999	Brain attack team member at The Johns Hopkins Hospital, Baltimore MD
July 1994- June 1997	Brain attack team member at Henry Ford Hospital, Detroit
July 1994- June 1997	Resident in Neurology at Henry Ford Hospital, Detroit
July 1993- June 1994	Transitional Resident at Henry Ford Hospital, Detroit
July 1983- June 1991	Cayetano Heredia Peruvian University, Alberto Hurtado School of Medicine, Lima - Peru, graduation date: 16 th October 1991

MAJOR PROFESSIONAL SOCIETIES

- Member of the Board of Directors of the Neurocritical Care Society since 2005
- Neurocritical Care Society (NCC): Member since 2003
- Society of Critical Care Medicine (SCCM): Active member since 1998
- Society of Neurosurgical Anesthesia and Critical Care (SNACC): Member since 2001
- American Heart Association (AHA) Stroke Council Member since 1999
- The Johns Hopkins Medical and Surgical Association: Member since 1997
- American Academy of Neurology (AAN): Associate member since 1995

HONORS AND AWARDS

- 2005 - 2006: Accepted recognition in 5th edition Marquis "Who's Who in Medicine and Healthcare": Recognition for research in the field of NeuroICU and Neurology.
- 2004: Best Teacher Award: 2003 to 2004, Department of Neurology, Wayne State University School of Medicine.
- 2004: 58th edition Marquis "Who's Who in America": Recognition for research in the field of NeuroICU and Neurology.
- 2003: 57th edition Marquis "Who's Who in America": Recognition for research in the field of NeuroICU and Neurology.
- 2003: 21st edition Marquis "Who's Who in the World": Recognition for research in the field of NeuroICU and Neurology.
- 2002: 19th edition Marquis "Who's Who in the World": Recognition for research in the field of NeuroICU and Neurology.
- 2002: 56th edition Marquis "Who's Who in America": Recognition for research in the field of NeuroICU and Neurology.
- 2002: Fellow of the American Heart Association and the Stroke Council.
- 1999: Invited fellow to the "First National Cerebrovascular Fellowship: Stroke Forum", February 15 - 18th, 1999, Palm Beach, Florida.
- 1997: "Neurology Resident of the Year", 1997, Henry Ford Hospital
- 1996: Invited to represent the Department of Neurology at the Henry Ford Hospital Educational Committee Council.
- 1996 - 1997: Neurology Chief Resident, 1997, Henry Ford Hospital
- 1995: 120th Annual Meeting of the American Neurological Association, representing Henry Ford Hospital Department of Neurology at the National Resident's Forum: "Academic Neurology: Preparing for the Future", Minneapolis, MN, 1995.

PROFESSIONAL CONSULTATION

- 1999 - 2004: Consulting physician in Neurosciences Critical Care since 1999 for VISICU[®], company designing and applying current concepts of telemedicine in the field of critical care, Baltimore, Maryland.

JOURNAL EDITORIAL ACTIVITY

- Ad-hoc reviewer for “Critical Care Medicine”.
- Ad-hoc reviewer for “Journal of Stroke and Cerebrovascular Diseases”.
- Ad-hoc reviewer for “Journal of Neurological Sciences”.
- Invited reviewer for “Annals of Neurology”.
- Ad-hoc reviewer for “Stroke
- Invited reviewer for “Neurosurgery”
- Ad-hoc reviewer for “Journal of Neurocritical Care”
- Invited reviewer for “BMC Cardiovascular Disorders”
- Invited reviewer for “European Journal of Neurology”

TRAINING EXPERIENCE

Postgraduate training in Neurocritical Care

2001 to 2003: Jaqueline Kraus, MD, PhD
Neurocritical Care fellowship at Wayne State University
Currently Assistant Professor in Neurology at Wayne State University.

2000 to 2001: Adam S Mednick, MD, PhD
Neurocritical Care fellowship at Columbia University.
Currently a Neurologist in Private Practice at CT Comprehensive Neurologic Management, Connecticut

1999 to 2000: Panayotis N. Varelas, MD, PhD
Neurocritical Care fellowship at the Johns Hopkins Hospital (1998 to 2000)
Currently Assistant Professor in Neurology at University of Wisconsin.

Abutaher Yahia, MD
Neurocritical Care fellowship at the Johns Hopkins Hospital (1998 to 2000)
Currently Assistant Professor of Neurology at Michigan State University.

Michell Torbey, MD, MS

Neurocritical Care fellowship at the Johns Hopkins Hospital
(1998 to 2000)
Currently Assistant Professor of Neurology at University of
Wisconsin.

Wendy Ziai, MD
Neurocritical Care fellowship at the Johns Hopkins Hospital
(1998 to 2000)
Currently Assistant Professor of Neurology, Neurological Sur-
gery and ACCM at the Johns Hopkins Hospital

Undergraduate Wayne State University School of Medicine

2001 to June 2004: Third and fourth year medical students Wayne State University
during their rotation in the Neurocritical Care Unit.

Undergraduate Columbia University College of Physicians and Surgeons

2000 2001 Third and fourth year medical students Columbia University
College of Physicians and Surgeons during their rotation in the
Neurocritical Care Unit.

Undergraduate Johns Hopkins University School of Medicine

1999: Third and 4th year medical students Johns Hopkins School of
Medicine during their neurology rotation at Johns Hopkins
Bayview Medical Center.

Undergraduate Case Western Reserve University

1996 - 1998: 4th Year Medical Students, Case Western Reserve University
during their Neurology Rotation at Henry Ford Hospital and at
Johns Hopkins Hospital.

GRANT SUPPORT

Current Support

Award: NIH NINDS 1R01 NS046309
Dates: 01/1/05-06/30/07
Title: ICH Removal: Minimally Invasive Surgery + rt-PA
PI: Daniel F. Hanley, MD
Amount: \$3,993,049
Role: Co-Investigator: ICU Complications Monitor

The results of this study will include novel safety data that will change the way ICH is treated, including previously unavailable data about rt-PA safety, efficacy, and pharmacokinetics, as well as MIS data regarding the validity and safety of patient selection, quantizations of surgical effectiveness, patient stability, and disease/treatment-related complications. In addition the proposed study results will provide the first estimates of the relation between initial disease severity and long-term outcome for ICH. This unavailable data is critical to reducing brain injury from the last, untreated stroke subtype.

Past Support

Award: NIH/NINDS R01 NS42607-01A2
Dates: 6/1/03-5/30/08
Title: Induced Hypertension for Acute Ischemic Stroke 2
PI: Robert Wityk, MD
Amount: \$316,046
Role: Co-Investigator: Medical Monitor (2003 to 2004)

This is a Phase II clinical trial of the safety and response rate of induced hypertension as a treatment of acute ischemic stroke.

- 2000 - 2001: American Philosophical Society: Daland Fellowship for Research in Clinical Medicine National Award, for the project: "Advanced MRI techniques in the study of secondary neuronal injury in intracerebral hemorrhage"
- 1999 - 2000: American Philosophical Society: Daland Fellowship for Research in Clinical Medicine National Award, for the project: "Advanced MRI techniques in the study of secondary neuronal injury in intracerebral hemorrhage"
- 1998 - 1999: David A. Dana Research Prize, Neurosciences Critical Care Division, Johns Hopkins University School of Medicine
- 1997 - 1998: "Eleanor Dana Research Fellow, Neurosciences Critical Care Division, Johns Hopkins University School of Medicine"

RESEARCH

Current research interests include: 1) The different hemodynamic and metabolic aspects of neuronal blood flow and metabolism under physiologic conditions and after acute brain injury, as well as their significance in neurologic outcome, and 2) use of advanced MRI techniques in the study and understanding of ongoing neuronal damage after brain injury to design and assess therapies used in neurologic critical care

Principal Investigator

- Development of experimental paradigm for the study of mediators of cerebral blood flow regulation during physiologic stimulation.

Faculty mentor: A Bhardwaj, M.D.

RJ Koehler, PhD.

Location: Anesthesia and Critical Care Medicine
Laboratories, Traylor-8, Johns Hopkins
School of Medicine

- Suppression of cortical functional hyperemia to vibrissal stimulation in the rat by epoxygenase inhibitors

Faculty mentor: A Bhardwaj, M.D.

RC Koehler, PhD.

Location: Anesthesia and Critical Care Medicine
Laboratories, Traylor-8, Johns Hopkins
School of Medicine

- ^1H -magnetic resonance spectroscopy, diffusion weighted, and perfusion weighted imaging in the study of secondary neuronal injury after intracerebral hemorrhage, to determine and typify neuronal injury, and to understand metabolic and hemodynamic responses to acute brain injury.

Funding: Daland Fellowship Award, American Philosophical Society.

Faculty mentor: DE Hanley, MD

Co-investigators: PB. Barker, PhilD,

NJ Beauchamp, MD.

Location: Neurosciences Critical Care Unit and MRI facilities at the Johns Hopkins Hospital, to be transferred to Columbia University

Co-Investigator/Site principal investigator

- Study: "Interventional Management of Stroke" Study funded by NIH/NINDS.

Role: Co-investigator, Wayne State University

Date: Until 2004

- Study: "A randomized, double-blind, placebo controlled, multicenter study of the effects of ONO-2506 intravenous infusion on the amelioration of neurological dam-

age and improvement of stroke assessment scale scores in patients with acute ischemic stroke” Study funded by ONO Pharma USA, Inc.

Role: Principal investigator, Wayne State University

Date: Until 2004

- Study: “A multicenter, stratified, randomized, double blind, placebo controlled study to evaluate neurologic function and disability in patients with acute ischemic stroke given tissue plasminogen activator plus YM872 or tissue plasminogen activator plus placebo.” Study funded by Yamanouchi USA, Inc.

Role: Co-investigator, Wayne State University

Date: Until 2004

- Study: “A randomized, double-blind, placebo-controlled study to evaluate effects of YM872 on lesion volume as measured by diffusion, perfusion, and FLAIR magnetic resonance imaging (MRI) in patients with acute ischemic stroke” Study funded by Yamanouchi USA, Inc.

Role: Co-investigator, Wayne State University

Date: Until 2004

- Study: “A single dose, three-arm, placebo-controlled study of the pharmacokinetics of LF 16-0687 MS in patients with severe traumatic brain injury”. Study funded by Fournier Pharma Inc.

Role: Co-investigator, Wayne State University

Date: Until 2003

- Study: “The interventional management of stroke (IMS) clinical protocol” Study funded by the NIH.

Role: Co-investigator, Wayne State University

Date: Until 2004

- Study: “Outcomes and neuroimaging of intracranial atherosclerosis; SONIA”. Study funded by the NIH.

Role: Principal investigator, Wayne State University.

Date: Until 2003

- Study: “Balloon prophylaxis of aneurysmal vasospasm (BPAV)”. Study funded by the NIH.

Role: Co-investigator, Wayne State University.

Date: Until 2004.

- Study: “Hypernatremic hyperosmolar state in acute brain injury: Intracranial pressure-lowering therapy (Hy-SALT)”. Study funded by the Society of Critical Care Medicine.

Role: Co-investigator, protocol development.

Date: Until 2004

- Study: “Intraventricular Hemorrhage Thrombolysis Trial: A multicenter, double blinded, placebo-controlled randomized study”. Funded by the Orphan Drug Program, FDA.

Role: Co-investigator, Columbia University site.
Date: Now ongoing at the Johns Hopkins Hospital.
- Study: “HeadFIRST: Hemicraniectomy and durotomy upon deterioration from infarct related swelling trial: A NINDS/NIH funded, Multicenter trial”

Role: Co-investigator, Columbia University site
Date: Completed
- Study: “Use of near infrared spectroscopy in the evaluation of acute intracranial hemorrhage”

Role: Co-Investigator
Date: Completed
- Study: “Outcome after reversal of transtentorial herniation by medical treatment”

Role: Co-Investigator
Date: Completed
- Study: “A Double-Blind, Placebo-Controlled, Safety, Efficacy and Dose Response Trial of Two IV Doses of BMS-204352 in Patients with Acute Stroke”

Role: Co-Investigator
Dates: Completed
- Study: “A Double-Blinded, Placebo-Controlled, Parallel-Group, 3-Day Treatment and 3-Month Follow-up, Multicenter Study to Evaluate the Safety and Efficacy of Intravenous Fosphenytoin in Patients with Acute Ischemic Stroke”

Role: Co-Investigator
Dates: 1997-1998
- Study: “ABCIXIMAB (ReoPro) in Acute Ischemic Stroke: A Randomized, Double-Blinded, Phase II, Dose-Escalation Study”

Role: Co-Investigator
Dates: 1997 - 1998
- Study: “The Clomethiazole Acute Stroke Study-Hemorrhagic, Acute Ischemic, and t-PA treated patients: A Double-Blinded, Parallel-Group, Multinational, Multicenter Study of the Safety of Clomethiazole compared to Placebo”

Role: Co-Investigator
Dates: 1997 - 1998
- Study: “A Randomized, Double-Blinded, Placebo-Controlled Parallel-Group, Multi-center Trial of Two Doses of Fiblast (Trafermin, bFGF) in Patients with Acute Ischemic Stroke”

Role: Co-Investigator
Dates: 1997 - 1998

PUBLICATIONS

Peer-reviewed publications/Editorials

- Hall B, Parker Jr. D, Carhuapoma JR. Intraventricular hemorrhage thrombolysis after endovascular aneurysmal coiling: Case report and review of the literature. In Press: Neurocritical Care, 2005.
- Geocadin RG, Carhuapoma JR. Take Notice technology: Medivance Arctic Sun Temperature Management System. In Press: Neurocritical Care, 2005.
- Larive LL, Rhoney DH, Parker Jr D, Coplin WM, Carhuapoma JR. Introducing Hypertonic Saline for Cerebral Edema: An Academic Center Experience. Neurocritical Care, 2005, 2(1): 23-28.
- Carhuapoma JR, Wang P, Beauchamp NJ, Hanley DF, Barker PB. Diffusion-perfusion MR evaluation and spectroscopy before and after surgical therapy for intracerebral hemorrhage. Neurocritical Care, 2004, 1(4): 435-440.
- Carhuapoma JR, Gupta K, Coplin W, Muddassir SM, Meratee MM. Treatment of refractory fever in the neurosciences critical care unit using a novel water circulating cooling device: A single center pilot experience. Journal of Neurosurgical Anesthesiology. 2003, 15(4): 313-318.
- Carhuapoma JR, Hanley DF, Banerjee M, Beauchamp NJ. Brain edema after human cerebral hemorrhage. A Magnetic Resonance Imaging volumetric analysis. In press: Journal of Neurosurgical Anesthesiology. 2003, 15(3): 230-233.
- Jacobs BS, Castellanos M, Carhuapoma JR. Clarifying TCD criteria for brain death: Are some arteries more equal than others? J Neurol Sci, 2003, 210: 3-4. Editorial on the paper: "Persistence of isolated flow in the internal carotid artery in brain death" by Freitas GR and coworkers.
- Rajamani K, Barrett RJ, Carhuapoma JR. The ten most commonly asked questions about intracerebral and intraventricular hemorrhage. The Neurologist, 2003, 9(4): 214-219.
- Carhuapoma JR. PET after cardiac arrest: Does it have any role in resuscitation research? J. Neurol Sci. 2003; 210: 1-2. Editorial on the paper: "Cerebral perfusion and metabolism in resuscitated patients with severe postanoxic encephalopathy" by Schaafsma and coworkers.
- Carhuapoma JR. Thrombolytic therapy after intraventricular hemorrhage: do we know enough? J Neurol Sci. 2002; 202: 1-3. Editorial on the paper: "Tissue plasminogen activator for the treatment of intraventricular hematoma: the dose-effect relationship" by Wang and coworkers.

- Peng X, Carhuapoma JR, Bhardwaj A, Falck JR, Harder DR, Traystman RJ, Koehler RC. Suppression of cortical functional hyperemia to vibrissal stimulation in the rat by epoxygenase inhibitors. “Am J Physiol Heart Circ Physiol”, 2002; 283: H2029-2037.
- Carhuapoma JR, Qureshi AI, Bhardwaj A, Williams MA. Absence of Interhemispheric ICP Gradient in Massive Hemispheric Stroke. “Journal Neurosurg Anesthesiol” 2002; 14: 299-303.
- Carhuapoma JR, Barker PB, Hanley DF, Wang P, Beauchamp NJ. Human Brain Hemorrhage: Quantification of Perihematoma Edema Using Diffusion Magnetic Resonance Imaging. “AJNR”, 2002; 23: 1322-1326.
- Claassen J, Mayer SA, Kreiter KT, Peery S, Du EY, Connolly ES, Carhuapoma JR. Global Cerebral Edema in Patients with Subarachnoid Hemorrhage, Frequency, Predictors, and Impact on Outcome. Stroke. 2002; 33: 1225-1232.
- Carhuapoma JR, Qureshi AI, Hanley DF. Papaverine-induced seizures: A case report. “Surgical Neurology”, 2001; 56 (3): 159-163.
- Bhardwaj A, Northington FJ, Carhuapoma JR, Harder DR, Traystman RJ, Koehler RC. Inhibition of arachidonic acid epoxygenase activity attenuates N-methyl-D-aspartate evoked striatal blood flow response. Am J Physiol Heart Circ Physiol. 2002; 279: H1616-H1624, 2000.
- Carhuapoma JR, Wang P, Beauchamp NJ, Keyl, PM, Hanley DF, Barker PB. Diffusion-Weighted MRI and Proton MR Spectroscopy in the Study of Secondary Neuronal Injury after Intracerebral Hemorrhage. Stroke. 2000; 31:726-732
- Naff NJ, Carhuapoma JR, Williams MA, et al. Treatment of Intraventricular Hemorrhage with Intraventricular Urokinase and its Effects on 30-Day Survival. Stroke. 2000; 31:841-847.
- Geocadin RG, Carhuapoma JR. Subarachnoid Hemorrhage and Intracerebral Hemorrhage. In “Current Opinion in Critical Care”. Vol. 5 Issue 2, April 1999
- Carhuapoma JR, Williams MA. Endotracheal Suctioning and Cerebral Ischemia in Traumatic Brain Injury: The “Phantom Menace?” Critical Care Medicine 1999; 27: 2843-2844. Editorial for “Critical Care Medicine” on the paper: “Effect of endotracheal suctioning on cerebral oxygenation in severe head injured patients” by Kerr and coworkers.
- Carhuapoma JR, D’Olhaberriague Levine SR. Review: Moyamoya Syndrome Associated with Sneddon’s Syndrome and Anticardiolipin Antibodies. “Journal of Stroke and Cerebrovascular Diseases”, March-April 1999; 51-56.
- Carhuapoma JR, Mitsias P, Levine, SR. Cerebral Venous Thrombosis and Anticardiolipin Antibodies, Stroke 1997; 28: 2363-2369

- Dumo P, Fagan SC, Carhuapoma JR. Editorial: Thrombolysis in Acute Ischemic Stroke. Am J Health Sys Pharm 1997; 54: 2213-2217

Reviews

- Torbey M, Carhuapoma JR. Intracerebral Hemorrhage. For: "Stroke: Clinical Update", National Stroke Association, 2000. In press.

Books and chapters

- Carhuapoma JR, Levine SR, Tomlinson MW. Neurological Complications of Pregnancy. In: High Risk Pregnancy: Management Options. Third Edition. London, W.B. Saunders, In press.
- Ardelt A, Carhuapoma, JR. Traumatic Intracerebral Hemorrhage. In: Gilman S, editor. MedLink Neurology. San Diego: MedLink Corporation. Available at www.medlink.com. Accessed May 6, 2005.
- Torbey M, Carhuapoma JR. Critical Care of the Guillain Barre Syndrome. In: Critical Care Neurology and Neurosurgery. Humana Press. First Edition, Totowa, New Jersey, 2003.
- Carhuapoma JR, Hanley DF. Intracerebral Haemorrhage. In: Diseases of the Nervous System: Clinical Neuroscience and Therapeutic Principles. Third Edition. London, Cambridge University Press, 2002.
- Peng X, Carhuapoma JR, Bhardwaj A, Alkayed NJ, Harder DR, Traystman RJ, Koehler RC. Regulation of the cerebral circulation by cytochrome P450 epoxygenase activity. Brain Activation and Cerebral Blood Flow Control, Tokyo, Minuro Tomito (Ed). Excerpta Medica International Congress Series 911 Elsevier Science B.V. Amsterdam, pp. 289-295, 2002.
- Carhuapoma JR, Naff NJ, Hanley DF. Thrombolysis in the treatment of intracerebral and intraventricular hemorrhage. In: Yearbook of Emergency Medicine and Critical Care. University Libre de Bruxelles, 2000.
- Carhuapoma JR, Levine SR, Tomlinson MW. Neurologic Diseases. In: High Risk Pregnancy: Management Options. Second Edition. London, W.B. Saunders, 1999.
- Carhuapoma JR, Welch KMA. Cerebrospinal Fluid in Stroke. In: Welch KMA, Caplan LR, Reis DJ, Siesjö BK, Weir B. Eds. Primer on Cerebrovascular Diseases. First Edition, Academic Press, 1997, 597-599.

Book reviews/Editorial projects

- Textbook in Intracerebral Hemorrhage, Eds. Carhuapoma JR, Mayer SA, Hanley DF. Cambridge University Press. In preparation, expected release date March 2006.
- Special Issue of the Journal of Neurological Sciences in “Update in Neurocritical Care”. Eds. Carhuapoma JR, Coplin WM, Mirski MA. Elsevier. In preparation, expected release date mid 2006.
- Textbook reviewer for “Neurology”: Intensive Care in Neurosurgery, by Andrews BT.
- Invited textbook reviewer for Oxford University Press: Neurologic Complications of Critical Illness, by Eelco F.M. Wijdicks.
- Reviewer of National Stroke Association initiated NSA: Public Educational Brochures oriented towards stroke prevention (transient ischemic attacks) and carotid artery disease.
- Reviewer of the Society of Critical Care Medicine Self-Assessment Program 1999, Section of Neurology.

Published Abstracts

- 2005: Hall B, Parker Jr D, Barrett RJ, Carhuapoma JR. Intraventricular Hemorrhage Thrombolysis after Endovascular Aneurysmal Coiling: Case Report and Review of the Literature. Neurocritical Care 2 (2); 2005: 239
- 2005: Forsyth LL, Rhoney DH, Parker Jr D, Coplin WM, Carhuapoma JR. Hypernatremic Hyperosmolar State in Acute Brain Injury: Intracranial Pressure Lowering Therapy (Hy-SALT). Neurocritical Care 2 (2); 2005: 225
- 2005: Barrett RJ, Hussain R, Coplin MW, Berry S, Keyl PM, Johnson RR, Carhuapoma JR. Frameless Stereotactic Aspiration and Thrombolysis of Spontaneous Intracerebral Hemorrhage: Effects on 30-Day Survival. Neurocritical Care 2 (2); 2005: 226.
- 2004: Shah AK, Aggarwal R, Carhuapoma JR, Loeb JA. Compressed EEG pattern analysis can reveal clinically relevant changes in brain functional state during long-term EEG monitoring for neurologically critically ill patients. Presented at the 58th Annual Meeting of American Clinical Neurophysiology Society (ACNS), Montreal, Oct 1-2.
- 2004: Ramappa P, Marsh J, Carhuapoma JR, Gellman S, Atkinson B, Coplin WM. Cardiac Troponin I and Myocardial Injury as Predictors of Prognosis in Aneurysmal Subarachnoid Hemorrhage. Accepted for presentation at the 5th World Stroke Congress, Vancouver, Canada.

- 2004: Chaturvedi S, Carhuapoma JR, Coplin WM, Grover I. Has the International Study of Unruptured Intracranial Aneurysms Affected Referrals to Neurosurgeons?. Presented at the 29th International Stroke Conference, San Diego, CA. Stroke, 35 (1); 2004: 331.
- 2003: Esper DH, Mudassir S, Carhuapoma JR. Energy expenditure in critically ill patients with non-traumatic ICH. Presented at the 31st Meeting of the Society of Neurosurgical Anesthesiology and Critical Care, San Francisco, CA. Journal of Neurosurgical Anesthesiology 15 (4); 2003: 379.
- 2003: Larive LL, Rhoney DH, Parker D, Carhuapoma JR. Initial experience using hypertonic saline infusion for cerebral edema. Presented at the 31st Meeting of the Society of Neurosurgical Anesthesiology and Critical Care, San Francisco, CA. Journal of Neurosurgical Anesthesiology 15 (4); 2003: 375.
- 2003: Larive LL, Rhoney DH, Parker D, Coplin WM, Carhuapoma JR. Introducing Hypertonic Saline for Cerebral Edema: An Academic Center Experience. Presented at the 32nd Critical Care Congress, San Antonio, Texas, February 2003. Critical Care Medicine 31 (2); 2003: A81.
- 2003: Esper DH, Carhuapoma JR. Energy Expenditure in Critically Ill Patients with Non-Traumatic Intracranial Hemorrhage. Presented at American Society for Parenteral and Enteral Nutrition Meeting in San Antonio, Texas. Journal of Parenteral and Enteral Nutrition. 27 (1) January-February 2003: S35.
- 2003: Madhavan R, Gupta K, Kraus JJ, Jacobs B, Chaturvedi S, Coplin WM, Carhuapoma JR. Is the NIHSS a valid tool to estimate hemorrhagic lesion volume after intracerebral hemorrhage? Presented at the 28th International Stroke Conference, Phoenix, Arizona, February. Stroke 34 (1); 2003: 277.
- 2002: Carhuapoma JR, Gupta K, Meratee MM, Coplin WM. Fever management using a water circulating cooling device in the neurointensive care unit: A pilot experience. Presented at the 30th Society of Neurosurgical Anesthesia and Critical Care Meeting, Orlando, Florida. Journal of Neurosurgical Anesthesiology 14 (4); 2002: 344.
- 2002: Claassen J, Carhuapoma JR, Kreiter KT, Peery S, Du EY, Connolly ES, Mayer SA. Global Cerebral Edema in Patients with Subarachnoid Hemorrhage, Frequency, Predictors, and Impact on Outcome. Presented at the 27th International Stroke Conference, San Antonio, TX. Stroke, 33 (1); 2002: 381.
- 2001: Claassen J, Kreiter KT, Bates JE, Connolly ES, Du E, Carhuapoma JR, Tikofsky RS, Van Heertum RL, Mayer SA. Watershed hypoperfusion predicts cognitive outcome after subarachnoid hemorrhage. Accepted at World Congress of Neurology 2001, London, UK

- 2001: Claassen J, Mayer SA, Kreiter K, Bates JE, Connolly ES, Carhuapoma JR. Early generalized cerebral edema on admission predicts mortality in patients with SAH. Presented at American Academy of Neurology Meeting 2001, Philadelphia. Neurology 56 (8); 2001: A430-P06.084
- 2001: Kreiter KT, Claassen J, Rosengart AJ, Du E, Bates JE, Peery S, Ostapovich N, Mednick AS, Connolly ES, Carhuapoma JR, Mayer SA. Influence of Depression on Return to Work after Subarachnoid Hemorrhage. Presented at 26th American Heart Association International Stroke Meeting 2000, Ft. Lauderdale, Florida, 2000. Stroke 32 (1); 2001: 123.
- 2001: Claassen J, Mayer SA, Kreiter KT, Bates JE, Ostapovich N, Mednick AS, Connolly ES, Carhuapoma JR: "Silent" cerebral infarction due to vasospasm after Subarachnoid Hemorrhage. Presented at 26th American Heart Association International Stroke Meeting 2000, Ft. Lauderdale, Florida, 2000. Stroke 32 (1); 2001: P97.
- 2001: Carhuapoma JR, Barker PB, Hanley DF, Beauchamp NJ. Human Intracerebral Hemorrhage and Brain Edema: Dose-Response Effect? A Diffusion-Weighted Magnetic Resonance Imaging Study. Presented at 26th American Heart Association International Stroke Meeting 2000, Ft. Lauderdale, Florida, 2000. Stroke 32 (1); 2001: P99.
- 2000: Carhuapoma JR, Beauchamp NJ. Brain edema after intracerebral hemorrhage: A MRI volumetric study. Presented at the American Academy of Neurology 51st Annual Meeting, San Diego, CA 2000. Neurology 54 (7), 2000: A375.
- 2000: Naff NJ, Carhuapoma JR, Williams MA, et al. Treatment of Intraventricular Hemorrhage with Intraventricular Urokinase and its Effects on 30-Day Survival. Presented as Oral Presentation in the American Academy of Neurology 51st Annual Meeting, San Diego, CA 2000. Neurology 54 (7), 2000: A229.
- 1999: Carhuapoma JR, Alkayed NJ, Bhardwaj A, et al. Functional Hyperemia in the Brain is Inhibited by Cytochrome P450 Epoxygenase Inhibitors. Presented at the Society for Neuroscience Annual Meeting, Florida 1999.
- 1999: Wang PY, Carhuapoma JR, Beauchamp NJ, Ulatowski JA, Hanley DF, Barker PB. Intracerebral Hemorrhage: Evaluation with Diffusion, Perfusion MRI and Proton MR Spectroscopic Imaging. Presented at the International Society of Magnetic Resonance Medicine Annual Meeting, Philadelphia, May 1999.
- 1998: Bhardwaj A, Northington FJ, Carhuapoma JR, Ichord RN, Harder DR, Traystman RJ, Koehler RC. Inhibition of arachidonic acid epoxygenase activity attenuates N-methyl-D-aspartate evoked striatal blood flow response. Presented at the 28th Annual meeting for the society of neuroscience, Los Angeles, CA 1998. Soc Neurosci Abs 24 (2): 461.7

- 1998: Carhuapoma JR, Barker PB, Beauchamp NJ, Ulatowski JA, Hanley DF. ¹H-Magnetic Resonance Spectroscopy, Diffusion-, and Perfusion Weighted MRI in the Study of Intracerebral Hemorrhage. Accepted Poster presentation to be held at the North America Stroke Association Meeting in Cancun, Mexico, October 1998. Journal of Stroke and Cerebrovascular Diseases 7(5), 1998: 369.
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- 1996: Carhuapoma JR, Aggarwal N, Abboukasm N. A case of HTLV-1 myelopathy without classic risk factors. Poster presentation at the American Medical Association Regional Meeting at Travers City, Michigan 1996.
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- 1995: Carhuapoma JR, Elias SB. A case of Histoplasmosis masquerade as Neurosarcoidosis. 2nd Annual Resident Research Forum at Henry Ford Hospital, Detroit, Michigan 1995.

PRESENTATIONS

- Faculty speaker: “Hypertonic saline: evidence towards a new standard of care?” American Academy of Neurology 55th Annual Meeting. Honolulu, Hawaii, 2003.
- Neurology Grand Rounds, Wayne State University School of Medicine, August 2003: “Thrombolysis in Intraventricular Hemorrhage”.
- Neurology Grand Rounds, Wayne State University School of Medicine, February 2003: “Secondary Neuronal Damage after ICH: Beyond the perihematoma ischemic penumbra”.

- Faculty speaker: “Intracerebral hemorrhage”, May 14, 2002. “Reaching those people at risk for stroke”. Lansing, Michigan.
- Faculty speaker: “Intracerebral and intraventricular hemorrhage”, April 5th at: “Management of Cerebrovascular Disorders in the New Millennium. The Connecticut Neurological Society Annual Meeting 2002”
- Faculty speaker: “TCD in the Neurointensive Care Unit”, July 13 – 14, 2001 at the Fourth Annual Conference on Cerebrovascular Ultrasound and Stroke Management, Interpretation of Carotid Duplex and Transcranial Doppler. New York, NY
- Faculty speaker: “Intracerebral and Intraventricular Hemorrhage”. The second biennial New York Symposium on Neurologic Emergencies and Neurocritical Care, May 2001, The New York Academy of Medicine, New York, NY.
- Lecturer in the Acute/Critical Care Nurse Practitioner Course, Johns Hopkins School of Nursing: “Status epilepticus”, “Meningitis” and “Brain death”, March 2001.
- Lecturer in the Acute/Critical Care Nurse Practitioner Course, Johns Hopkins School of Nursing: “Status epilepticus”, “Meningitis” and “Brain death”, April 2000.
- Lecture in Status Epilepticus to Neuroscience Unit Nursing Staff, Johns Hopkins Bayview Medical Center
- Lecturer in the Acute/Critical Care Nurse Practitioner Course, Johns Hopkins School of Nursing: “Status epilepticus and Meningitis”, July 1999.
- Lecturer in the Acute/Critical Care Nurse Practitioner Course, Johns Hopkins School of Nursing: “Status epilepticus and Meningitis”, July 1998.

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