

JENNIFER ANN FRONTERA, M.D.

Mount Sinai School of Medicine
1 Gustave Levy Place Box 1136
New York, NY 10029-6574
(212) 241-9512, fax (212) 410-0603
jennifer.frontera@mountsinai.org

ACADEMIC APPOINTMENTS

2006- present Assistant Professor, Department of Neurosurgery and Neurology
Division of Neuro-critical Care,
Mount Sinai School of Medicine, New York, NY

HOSPITAL APPOINTMENTS

2006-present Assistant Professor
Medical Director Neurosurgical Intensive Care Unit,
Mount Sinai Hospital, New York, NY

EDUCATION

1992 - 1996	Dartmouth College	Hanover, NH
	A.B. Phi Beta Kappa, Summa cum Laude in Chemistry	
1996 - 2000	Johns Hopkins University School of Medicine	Baltimore, MD
	M.D. Alpha Omega Alpha	

POSTDOCTORAL TRAINING

2000-2001	Columbia-Presbyterian Medical Center	New York, NY
	Intern in Internal Medicine	
2001-2004	Columbia-Presbyterian Medical Center	New York, NY
	Resident in Neurology	
2004-2006	Columbia-Presbyterian Medical Center	New York, NY
	Fellow, Neuro Critical Care and Stroke	

CERTIFICATION

December 2002	NY State Licensure
April 2005	Board Certified Neurology: American Board of Psychiatry and Neurology
June 2006	Board Certified Vascular Neurology: American Board of Psychiatry and Neurology
December 2007	Board Certified Neurocritical Care: United Council for Neurologic Subspecialties

OTHER PROFESSIONAL APPOINTMENTS

Chair, Mount Sinai Organ Donor Council
National Improvement Leader, Department of Health and Human Services sponsored Organ Donation and Transplantation Breakthrough Collaborative
New York Jets Spinal Cord Injury team, Mount Sinai Hospital
New York City Project Hypothermia Program Leader, Greater New York Hospital Association/FDNY, Mount Sinai

RESEARCH ACTIVITIES

P.I.: "Intracranial Hemorrhage Outcomes Project (IHOP)" (GCO# 07-1321)
P.I.: "Prediction of Postoperative Recurrence of Subdural Hematoma using CT Perfusion" (GCO#08-1470)
Local P.I.: ARUBA trial (A Randomized Study of Unruptured Brain Arteriovenous malformations), NIH funded
Local co- P.I.: 4 BALANCE Beriplex trial (prothrombin complex concentrates for reversal of hemorrhage in coagulopathic patients), CSL Behring funded

EDITORIAL ACTIVITIES

2009- Ad-hoc reviewer, *Intensive Care Medicine*
2008- Editorial Board, *Neurocritical Care*
2008- Ad-hoc reviewer, *Stroke*
2007- Section Editor, Neurocritical Care Society website, Patients and Families and Case of the Month

SOCIETY MEMBERSHIP AND MEETINGS

Neurocritical Care Society- Section editor for society website, nominated to the board of directors 10/08
American Academy of Neurology
American Heart Association
American Association of Neurological Surgeons
American College of Chest Physicians

International Stroke Conference 2/2004
AAN Meeting 4/2004
Neurocritical Care Society Conference 2/2005
AAN Meeting 4/2005
International Stroke Conference 2/2006
AAN Meeting 4/2006
3rd New York Symposium on Neurological Emergencies and Neurocritical Care, 5/ 2006
Neurocritical Care Society 11/2006
International Stroke Conference 2/2007
4th New York Symposium on Neurological Emergencies and Neurocritical Care, 5/ 2007
Congress of Neurosurgeons 9/2007
Chest (annual meeting and leadership conference) 10/2007
Neurocritical Care Society 10/2007
Society of Critical Care Medicine 2/2008
International Stroke Conference 2/2008
Monitoring Brain Chemistry during Neurointensive Care-State of the Art 2/2008
5th New York Symposium on Neurological Emergencies and Neurocritical Care, 6/2008
Congress of Neurosurgeons 9/08
Neurocritical Care Society 11/2008
Society of Critical Care Medicine 2/2009
International Stroke Conference 2/2009

HONORS

Alpha Omega Alpha	Johns Hopkins University School of Medicine
Phi Beta Kappa	Dartmouth College
Citation Finalist for outstanding abstract	Society of Critical Care Medicine, Nashville, 2/2009
ACCP Leadership symposium nominee	ACCP national meeting, Chicago 10/2007
Mount Sinai Applause-o-Gram	Patient/Family appreciation award 4/2007, 4/2008
Sholz Award	For original research in Ophthalmology, part of annual Maumenee conference at Wilmer Eye Institute, Johns Hopkins Hospital

Resident's Award Nominee	Columbia-Presbyterian Hospital 6/2003
I Have a Dream Foundation Scholarship	For work with NYC urban youth, 1999-2000
Rufus Choate Scholar	For placement in top 5% of class at Dartmouth College three consecutive years

GRANTS

Seed Grant for Clinical Research	American Medical Association 5/2004
----------------------------------	-------------------------------------

PUBLICATIONS

Original Articles

1. Frontera JA, Schmidt JM, Fernandez A, Badjatia N, Wartenberg KE, Mayer SA. Defining Vasospasm after Subarachnoid Hemorrhage: Clinical relevance of symptomatic vasospasm, delayed cerebral ischemia, angiographic vasospasm and Transcranial Doppler vasospasm. *in press Stroke* 1/2009.
2. Frontera JA; Parra A; Shimbo D; Fernandez A; Schmidt JM; Peter P; Claassen J; Wartenberg KE; Rincon F; Badjatia N; Naidech A; Connolly ES; Mayer SA. Cardiac Arrhythmias after Subarachnoid Hemorrhage: Risk Factors and Impact on Outcome. *Cerebrovasc Dis.* 2008 Jun 5;26(1):71-78.
3. Frontera JA; Fernandez A; Schmidt J; Claassen J; Wartenberg K; Rincon F; Mayer S. Nosocomial infectious complications of subarachnoid hemorrhage. [Neurosurgery](#). 2008 Jan;62(1):80-7; discussion 87.
4. Claassen J, Jetté N, Chum F, Green R, Schmidt M, Choi H, Jirsch J, Frontera JA, Connolly ES, Emerson RG, Mayer SA, Hirsch LJ. Electrographic seizures and periodic discharges after intracerebral hemorrhage. *Neurology* 2007 Sep 25;69(13):1356-65.
5. Frontera J, Claassen J, Schmidt M, Wartenberg K, Temes R, Connolly ES, MacDonald RL, Mayer SA. Prediction of Symptomatic Vasospasm after Subarachnoid Hemorrhage: the Modified Fisher Scale. platform presentation at Stroke conference 2/06. *Neurosurgery*. 2006 Jul;59(1):21-7; discussion 21-7.
6. Frontera J, Rundek T, Wartenberg K, Temes R, Schmidt J, Mayer SA, Mohr JP, Marshall RS. The Association of Impaired Cerebrovascular Autoregulation and Vasospasm after Subarachnoid Hemorrhage: A Pilot Study. *Neurology*. 2006 Mar 14;66(5):727-9.
7. Frontera J; Fernandez A; Claassen J; Schmidt M; Schumacher HC; Wartenberg K; Temes R; Parra A; Ostrapkovich N; Mayer S. Hyperglycemia after Subarachnoid Hemorrhage: Predictors, Associated Complications, and Impact on Outcome. *Stroke*. 2006 Jan;37(1):199-203. Editorial comment, (*Stroke* 2006 37: 8 – 9).
8. Wartenberg KE, Schmidt JM, Temes R, Frontera J, Kowalski RG, Ostapkovich N, Sheth SJ, Parra A, Connolly ES, Mayer SA. Impact of medical complications on outcome after subarachnoid hemorrhage. *Crit Care Med*. 2006 Mar;34(3):617-23; quiz 624.
9. Claassen J, Hirsch LJ, Frontera JA, Fernandez A, Schmidt M, Kapinos G, Wittman J, Connolly ES, Emerson RG, Mayer SA. Prognostic significance of continuous EEG monitoring in poor grade subarachnoid hemorrhage patients. *Neurocrit Care*. 2006;4(2):103-12.
10. Palestrant D, Frontera J, Mayer SA. Intensive Care of Severe Stroke. In: Harold Adams: Current Treatment Options in Neurology. *Curr Neurol Neurosci Rep*. 2005 Nov;5(6):494-502.
11. Frontera J, Gradon J. The Pathogenesis of Right-Sided Endocarditis in Injection Drug Users: A review. *Clinical Infectious Disease*, 2000; 30: 374-379.

Case Reports

1. Frontera J, Pile-Spellman J, Mohr JP. Diffusion-Weighted Imaging and Cortical Laminar Necrosis due to Contrast Induced Neuro-toxicity. *Cerebrovasc Dis* 2007;24:148-151.
2. Gerard E, Frontera JA, Wright CB. Vasospasm and cerebral infarction following isolated intraventricular hemorrhage. *Neurocrit Care*. 2007;7(3):257-9.
3. Frontera J and Palestrant D. Acute Trismus Associated with Foix-Marie-Chavany Syndrome. *Neurology*. 2006 Feb 14;66(3):454-5.

Book

“Decision Making in Neurocritical Care” Editor: Frontera JA, Thieme, New York, to be released 2009.

Book Chapters

1. Frontera J and Sevigny. J. Viral Meningitis and Encephalitis. Viral Myelopathy. In: John CM Brust: Lange Current Medical Diagnosis & Treatment in Neurology. McGraw-Hill. 2007, pp449-462.
2. Frontera, J and Marshall, R. Cerebrovascular Reserve. In: Moussa, Rundek and Mohr: Asymptomatic Carotid Artery Stenosis: A Primer on Risk Stratification. Taylor & Francis Books Ltd. 2006.
3. Blas, L and Frontera, J. Blood Pressure Management after Acute Ischemic Stroke, Intracerebral Hemorrhage, Subarachnoid Hemorrhage and Hypertensive Encephalopathy. In: James Geyer: Stroke, A Practical Approach. Lippincott 2008.
4. Frontera JA. Multi-Modality Monitoring of Critically Ill Neurological patients. In: David Reich: Anesthesia and Patient Monitoring. Cambridge University Press 2010.

Abstracts

1. Frontera JA, Gowda A, Grilo C, Gordon E, Winn HR, Bederson J and Patel A. Predictors of Recurrent Angiographic and Symptomatic Vasospasm after Endovascular Angioplasty or Chemical Vasodilation in Subarachnoid Hemorrhage. Oral Platform presentation International Stroke Conference 2/09, poster Neurocritical Care Society meeting 10/08, poster presentation Society of Critical Care Medicine 1/09, selected as a finalist for the SCCM award in clinical research.
2. Dascal D, Lewis S, Law M, Ghassemi A, Argrawal V, Sanelli P, Comunale J, Fatterpekar G, Delman B, and Frontera J. Comparison of CT Perfusion and Digital Subtraction Angiography for Detection of Symptomatic Vasospasm. Abstract at American Society of Funtcional Neuroradiology 2/2008.
3. Frontera JA, Schmidt JM, Fernandez A, Badjatia N, Wartenberg KE, Mayer SA. Complications of Hypertensive Hypervolemic Therapy for Symptomatic Vasospasm. Abstract Neurocritical Care 10/2007, Stroke 2/08 and Society of Critical Care Medicine 2/08.
4. Frontera JA, Schmidt JM, Fernandez A, Badjatia N, Wartenberg KE, Mayer SA. Clinical Response to Hypertensive Hypervolemic Therapy Predicts Outcome in Patients with Symptomatic Vasospasm after Subarachnoid Hemorrhage. Abstract Neurocritical Care 10/2007, Stroke 2/08 and Society of Critical Care Medicine 2/08.
5. Frontera JA, Schmidt JM, Fernandez A, Badjatia N, Wartenberg KE, Mayer SA. Defining Vasospasm after Subarachnoid Hemorrhage: Clinical relevance of symptomatic vasospasm, delayed cerebral ischemia, angiographic vasospasm and Transcranial Doppler vasospasm. Platform/oral abstract presentation

Neurocritical Care 10/2007, poster: Stroke 2/08 and Society of Critical Care Medicine 2/08, *in press*
Stroke 1/2009.

6. Frontera JA, Graner F, Rotman L, Gong M. Risk for Hyperglycemia among Neurologically Critically Ill. Abstract Neurocritical Care 10/2007, and Society of Critical Care Medicine 2/08.
5. Wartenberg KE, Sheth SJ, Frontera JA, Ostapkovich ND, Badjatia N, Mayer SA. Hyperosmolar Hypothermic Normoglycemia (H2N) for preventing cerebral edema after large hemispheric infarction- a pilot study. Platform presentation at Neurocritical care Society, Las Vegas 10/07. International Stroke Conference 2008, New Orleans, LA (Poster Presentation), Stroke 2008
6. Wartenberg KE, Sheth SJ, Schmidt JM, Frontera JA, Temes RE, Ostapkovich ND, Parra A, Palestrant D, Badjatia N, Khandji A, Mayer SA. Acute Hemorrhage-related Ischemic injury on Diffusion-Weighted magnetic resonance imaging in patients with poor grade subarachnoid hemorrhage. International Stroke Conference 2008, New Orleans, LA (Poster Presentation), Stroke 2008
7. Wartenberg KE, Schmidt JM, Fernandez A, Frontera JA, Claassen J, Ostapkovich ND, Palestrant D, Parra A, Mayer SA, Badjatia N. Impact of red blood cell transfusion on outcome after subarachnoid hemorrhage. 5th Annual Meeting of the Neurocritical Society, Las Vegas, NV 10/07 (Poster Presentation).
8. Frontera JA, Graner F, Gong M. Treatment of Hyperglycemia in Neurologically Critically Ill Patients: A Survey of Practice Variations. Abstract Neurocritical Care 10/2007
9. Frontera JA, Shimbo D, Fernandez A, Schmidt JM, Peter P, Wartenberg KE, Rincon F, Badjatia N, Palestrant D, Parra A and Mayer SA. Arrhythmia is an Independent Predictor of Death after Subarachnoid Hemorrhage. Abstract Stroke conference 2/07
10. Frontera JA, Fernandez A, Wartenberg KE, Schmidt JM, Rincon F, Parra A, Badjatia N, Palestrant D and Mayer SA. Symptomatic Vasospasm: Predictors and Effect on Outcome after Subarachnoid Hemorrhage. Abstract Neurocritical Care 11/06, International Stroke conference 2/07
11. Wartenberg KE, Schmidt JM, Fernandez A, Frontera JA, Claassen J, Ostapkovich ND, Badjatia N, Palestrant D, Parra A, Mayer SA. Multiterritorial symptomatic vasospasm after subarachnoid hemorrhage: predictors, associated complications, and impact on outcome. International Stroke Conference 2007, San Francisco, CA (Platform Presentation), Stroke 2007; 38: 463
12. Fernandez A, Schmidt JM, Claassen J, Frontera JA, Rincon F, Wartenberg K, Parra A, Palestrant D, Mayer SA, Badjatia N. Continuous Hypertonic Saline Infusion for Cerebral Edema after Subarachnoid Hemorrhage. Platform presentation at Neuro-Critical Care Society Meeting 11/06.
13. Rincon F, Buitrago M, Fernandez A, Wartenberg K, Frontera JA, Temes R, Schmidt JM, Palestrant D, Parra A, Lennihan L, Connolly ES, Mayer SA, Badjatia N. Predictors of Shunt Dependent Hydrocephalus after Aneurysmal Subarachnoid Hemorrhage, poster Neurocritical Care Society Meeting 11/06.
14. Schmidt JM, Wartenberg K, Wong A, Kesavabhotla K, Mukherjee V, Sheth S, Fernandez A, Frontera J, Temes R, Rincon F, Wazari A, Parra A, Palestrant D, Badjatia N, Connolly ES, Mayer S. Graphical Correlation Analysis of Brain Tissue Oxygen and Intracranial Pressure Data for Cerebral Perfusion Pressure Optimization: A Pilot Study. poster Neurocritical Care Society Meeting 11/06.
15. Wartenberg KE, Sheth SJ, Buitrago-Blanco M, Frontera JA, Rincon F, Temes R, Ostapkovich N, Parra A, Palestrant D, Badjatia N, Mayer SA. Hyperosmolar Hypothermic Normoglycemia (H2N) for Preventing Cerebral Edema after Large Hemispheric Infarction – a Pilot Study, poster Neurocritical Care Society Meeting 11/06
16. Claassen J, Frontera JA, Schmidt JM, Wartenberg KE, Tikofsky RS, Van Heertum RL, Connolly ES, Mayer SA. Acetazolamide-activated SPECT and TCD for predicting delayed cerebral ischemia after

subarachnoid hemorrhage. 3rd Neurocritical Care Society Meeting 2006; Baltimore, MD (Poster Presentation), Neurocritical Care Journal 2007; 6(3): 267

17. Frontera J; Fernandez A; Schmidt J; Claassen J; Wartenberg K; Rincon F; Mayer S. Nosocomial Infectious Complications of Subarachnoid Hemorrhage. Platform presentation at AAN 4/06.
18. Wartenberg KE, Sheth SJ, Schmidt JM, Frontera JA, Temes RE, Ostapkovich ND, Parra A, Palestrant D, Badjatia N, Khandji A, Mayer SA. Acute hemorrhage-related ischemic injury on Diffusion weighted magnetic resonance imaging in patients with poor grade subarachnoid hemorrhage. 58th Annual Meeting of the American Academy of Neurology 2005; San Diego, CA (Poster Presentation), Neurology 2006; 66 (Suppl 2): A109
19. Wartenberg KE, Schmidt JM, Claassen J, Frontera JA, Rincon F, Temes RE, Ostapkovich ND, Mayer SA. Predictors of poor Hunt and Hess grade in subarachnoid hemorrhage. International Stroke Conference 2006, Kissimmee, Florida. (Poster Presentation), Stroke 2006; 37: 726
20. Schmidt JM, Eden SV, Sheth SJ, Wartenberg KE, Frontera JA, Temes RE, Ostapkovich ND, Badjatia N, Palestrant D, Parra A, Mayer SA. Depression after subarachnoid hemorrhage: common, devastating and untreated. International Stroke Conference 2006, Kissimmee, Florida. (Poster Presentation), Stroke 2006; 37: 689
21. Badjatia N, Schmidt JM, Palestrant D, Parra A, Frontera JA, Temes RE, Wartenberg KE, Ostapkovich ND, Connolly ES, Mayer SA. Prediction of cognitive impairment and quality of life after subarachnoid hemorrhage with the short orientation-memory-concentration test. International Stroke Conference 2006, Kissimmee, Florida. (Poster Presentation), Stroke 2006; 37: 675
22. Frontera J; Claassen J; Schmidt M; Wartenberg K; Temes R; Connolly ES; MacDonald RL; Mayer SA. Prediction of Symptomatic Vasospasm after Subarachnoid Hemorrhage: the Modified Fisher Scale. Platform presentation at Stroke conference 2/06
23. Frontera J; Boden-Albala B; Zhou X; Paik M, Cammack S, Sacco RL, Blood Pressure Parameters and the Risk of Ischemic Stroke: the Northern Manhattan Study. Abstract at Stroke conference 2/06
24. Frontera J; Rundek T; Wartenberg K; Temes R; Schmidt J; Mayer SA; Mohr JP; Marshall RS. The Association of Impaired Cerebrovascular Autoregulation and Vasospasm after Subarachnoid Hemorrhage: A Pilot Study. Platform presentation at the American Academy of Neurology, Miami 4/05, abstract at Critical Care Neurology meeting, Phoenix, 2/05
25. Wartenberg KE, Trocio Jr S, Sia R, Guzman V, Temes RE, Frontera JA, Mohr JP, Rundek T: Comparison of transcranial Doppler ultrasound with transcranial Doppler color coded ultrasound in patient with MCA stenosis. 57th Annual Meeting of the American Academy of Neurology 2005; Miami Beach, FL (Poster Presentation), Neurology 2005; 64, supplement 1
25. Temes RE, Schmidt JM, Naidech AM, Frontera JA, Wartenberg KE, Ostapkovich ND, Connolly ES, Mayer SA, Parra A: Association of severe left ventricular dysfunction after SAH with stroke from delayed vasospasm and functional outcome among patients, 3rd Annual Meeting of the Neurocritical Care Society (Platform Presentation), Neurocrit Care 2005; 2 (2)

INVITED LECTURES

1. Grand Rounds, Mount Sinai Hospital Nursing Department, "Donation after Cardiac Death", November 5, 2008.

2. Grand Rounds, Mount Sinai Department of Neurosurgery, "Vasospasm and Subarachnoid Hemorrhage", November 5, 2008.
 3. Congress of Neurosurgeons ICU Nuts and Bolts teaching course, "Fluids and Electrolyte Management", Orlando September 20, 2008.
 4. Congress of Neurosurgeons ICU Nuts and Bolts teaching course, "Hemodynamic Monitoring", Orlando September 20, 2008.
 5. Congress of Neurosurgeons ICU Nuts and Bolts teaching course, "Ventilator Management", Orlando September 20, 2008.
 6. Grands Rounds, Mount Sinai Hospital Nursing Department (OR), "Donation after Cardiac Death", August 6, 2008.
 7. Greater New York Hospital Association, "Cooling and Shivering Protocols", New York, NY, July 21, 2008.
 8. Rounds, Department of Medicine, Mary Immaculate Hospital, "Organ Donation and Organ Sparing Therapy", Jamaica, NY, June 17, 2008
 9. 5th New York Symposium on Neurological Emergencies and Neurocritical Care, "Glucose Control in Critically Ill Neurological Patients", June 4, 2008.
 10. Baruch College, Biomedical Engineering Club, "Clinical Utility of Cerebrovascular Autoregulation", New York, NY, February 28, 2008.
2. Neurocritical Care Journal, Strategic Planning Retreat, Springer Offices, New York, NY, January 28, 2008.
 3. Grand Rounds- Department of Neurology, Washington University, "Vasospasm and SAH", January 25, 2008.
 4. Stroke Conference- Stanford University, Departments of Neurology and Neurosurgery, "Vasospasm and SAH", January 10, 2008.
 5. Stroke Conference- University of Pennsylvania, Neurology Department, "Vasospasm and SAH", January 8, 2008.
 6. Grand Rounds- Anesthesia Department, Mount Sinai Hospital, "Organ Donation: Donation after Neurologic Death and Donation after Cardiac Death", December 19, 2007.
 7. Greater New York Hospital Association conference on Therapeutic Hypothermia after Cardiac Arrest, "Complications of Hypothermia", December 10, 2007.
 8. Resident Lecture, Oregon Health and Sciences Center, "Cerebrovascular Autoregulation", Portland Oregon, November 16, 2007.
 9. Prothrombin Complex Concentrates roundtable discussion panel member, New York, November 13, 2007.
 10. Neurocritical Care Conference, Defining Vasospasm after Subarachnoid Hemorrhage: Clinical relevance of symptomatic vasospasm, delayed cerebral ischemia, angiographic vasospasm and Transcranial Doppler vasospasm", Las Vegas, November 2, 2007.
 11. Congress of Neurosurgeons, Neurocritical Care Course, "Ventilator Management", "Invasive Hemodynamic Monitoring", San Diego, September 15, 2007
 12. Grand Rounds-Neurosurgery Department, Mount Sinai Hospital, "Status Epilepticus", August 15, 2007.
 13. Greater New York Nursing Association Symposium, "Glucose Control in Critically Ill Neurological Patients" and "Brain Death and Organ Donation", June 19, 2007.
 14. Grand Rounds-Neurosurgery Department, Mount Sinai Hospital, "Best Medical Practices in the Management of Neuro-ICU patients", June 6, 2007
 15. 4th New York Symposium on Neurological Emergencies and Neurocritical Care, "Glucose Control in Critically Ill Neurological Patients", May 23, 2007.

16. Third Annual Neurosurgical Nursing Seminar, Jacoby Hospital, Montefiore Medical Center, "Status Epilepticus", April 12, 2007.
17. Grand Rounds- Neurology Department, Beth Israel Hospital, NY, "Clinical Role of Cerebrovascular Autoregulation", January 12, 2007.
18. Advances in Neurosurgery, 7th annual clinical CME course, Mount Sinai Hospital, "Neuro-critical care: Multi-Modality Monitoring" , December 9, 2006.
19. Grand Rounds-Neurosurgery Department, Mount Sinai Hospital, "Induced Normothermia and Therapeutic Hypothermia", December 6, 2006.
20. Grand Rounds- Neurology Department, Mount Sinai Hospital, "Clinical Role of Cerebrovascular Autoregulation", November 27, 2006.
21. Grand Rounds- Neurosurgery Department, Mount Sinai Hospital, "Diagnosis and Treatment of Elevated Intracranial Pressure", September 20, 2006
22. Grand Rounds- Neurosurgery Department, Mount Sinai Hospital "Clinical Role of Cerebrovascular Autoregulation", August 16, 2006.
23. Grand Rounds- Critical Care Department, Columbia University, "The Brain-Heart-Lung connection and SAH", March 2006
24. Stroke Conference- Neurology Department, Stanford University Hospital, "Clinical Role of Cerebrovascular Autoregulation", September, 2005.
25. Grand Rounds- Neurology Department, Columbia University, "The Association of Impaired Cerebrovascular Autoregulation and Vasospasm after Subarachnoid Hemorrhage: A Pilot Study", January 2005.
26. Grand Rounds-Neurology Department, Columbia University, "Abnormal Cerebrovascular Reactivity after Successful Revascularization Procedure for Carotid Artery Stenosis", June 2004.
27. Frontera J, Rodriquez J, Muñoz B, West S. Predictors of Eye Care Utilization, Preventative Health Care and Self-Rated Quality of Care in a Border Dwelling Mexican-American Population (presented at Maumenee Conference for Wilmer Eye Institute, Johns Hopkins Hospital, May 1998.

TEACHING LECTURES

1. Nursing Lecture-Neuroscience ICU, Mount Sinai Hospital, March 13, 2009, "Therapeutic Hypothermia"
2. Fellow Lecture- Department of Pulmonary Critical Care, March 10, 2009, "Therapeutic Hypothermia"
3. Fellow Lecture- Department of Pulmonary Critical Care, January 27, 2009, "Status Epilepticus"
4. Fellow Lecture- Department of Pulmonary Critical Care, January 6, 2009, "Management of Elevated Intracranial Pressure"
5. Nursing Lecture-Neuroscience ICU, Mount Sinai Hospital, January 2, 2009, "Donation after Cardiac Death"
6. Nursing Lecture-Neuroscience ICU, Mount Sinai Hospital, December 12, 2008, "Decision Making and Intracranial Aneurysms"
7. Fellow Lecture- Department of Pulmonary Critical Care, December 2, 2008, "Donation after Cardiac Death"
8. Nursing Lecture-Neuroscience ICU, Mount Sinai Hospital, November 28, 2008, "Fluids and Electrolytes"
9. Nursing Lecture-Neuroscience ICU, Mount Sinai Hospital, November 21, 2008, "NSICU Research"
10. Nursing Lecture-Neuroscience ICU, Mount Sinai Hospital, November 14, 2008, "Status Epilepticus"
11. Fellow Lecture- Department of Critical Care Medicine, Mount Sinai Hospital, November 11, 2008, "Status Epilepticus"

12. Fellow Lecture- Department of Critical Care Medicine, Mount Sinai Hospital, September 30, 2008, "Management of Elevated Intracranial Pressure"
13. Fellow Lecture- Department of Cardiology, Mount Sinai Hospital, September 3, 2008, "Hypothermia after Cardiac Arrest"
14. Resident Lecture- Department of Neurology, Mount Sinai Hospital, August 26, 2008, "Hypothermia after Cardiac Arrest"
15. Resident Lecture- Department of Neurology, Mount Sinai Hospital, July 15, 2008, "Management of Elevated Intracranial Pressure"
16. Resident Lecture- Department of Neurology, Mount Sinai Hospital, July 8, 2008, "Subarachnoid Hemorrhage"
17. Fellow Lecture- Cardiology Critical Care Unit, Mount Sinai Hospital, April 18, 2008, "Hypothermia after Cardiac Arrest"
18. Resident Lecture- Emergency Department, Mount Sinai Hospital, April 23, 2008, "Hypothermia after Cardiac Arrest"
19. Resident Conference, Cornell University, Department of Neurology, "Vasospasm and SAH", January 23, 2008.
20. Fellow Conference- Mount Sinai Hospital, Department of Pulmonary Critical Care, "Induced normothermia and hypothermia", January 18, 2008.
21. Resident Lecture- Department of Neurology, Mount Sinai Hospital, "Decision Making and Intracranial Aneurysms", July 17, 2007
22. Resident Lecture- Department of Neurology, Mount Sinai Hospital, "Status Epilepticus", July 12, 2007.
23. Resident Lecture- Department of Neurology, Mount Sinai Hospital, "Brain Death and Organ Donation", March 21, 2007.
24. Fellow Lecture- Department of Surgical Critical Care, Mount Sinai Hospital, "Induced Normothermia and Therapeutic Hypothermia", January 30, 2007.
25. Stroke Conference- Neurology Department, Mount Sinai Hospital, January 4, 2007, "Multi-Modality Monitoring in the Neuro-ICU"
26. Resident Lecture-Neurology Department, Mount Sinai Hospital, December 12, 2006, "Status Epilepticus"
27. Fellow Lecture- Department of Surgical Critical Care, Mount Sinai Hospital, November 14, 2006, "Diagnosis and Treatment of Elevated Intracranial Pressure"
28. Stroke Conference Lecture- Neurology Department, Mount Sinai Hospital, October 5, 2006, "Induced Normothermia and Therapeutic Hypothermia"
29. Resident Lecture- Neurology Department, Mount Sinai Hospital, September 5, 2006, "Diagnosis and Treatment of Elevated Intracranial Pressure"

Hobbies: Volunteer for City Meals on Wheels, horseback riding, long distance bike riding, skiing, rock climbing, travel (China, India, Cambodia, Mexico, Thailand, Peru, Chile, Guatemala, Costa Rica, Brazil, Turkey, Europe)