

**CURRICULUM VITAE**  
**APRIL 2009**

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**ACADEMIC APPOINTMENTS AND PROFESSIONAL EXPERIENCE**

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May 2007	Associate Professor of Neurology and Neurological Sciences, and by Courtesy, Neurological Surgery, Stanford University Medical Center
May 2001	Director, Stanford Neurocritical Care Program, Stanford Stroke Center
May 2001	Assistant Professor of Neurology and Neurological Sciences, and by Courtesy, Neurological Surgery, Stanford University Medical Center
1999 – 2001	Clinical Instructor of Neurology, Department of Neurology, University Medical Center Utrecht, Utrecht, the Netherlands.
1998 – 1999	Assistant in Neurology, Department of Neurology, Johns Hopkins Hospital, Baltimore, MD

**EDUCATION**

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1998 – 1999	Fellowship in Critical Care Neurology, Department of Neurology, Johns Hopkins Hospital, Baltimore, MD
1996 – 1998	Fellowship in Cerebrovascular Diseases, Department of Neurology, Boston Medical Center and Affiliated Hospitals Training Program, Boston, MA
1996 – 1998	Fellow Framingham Heart Study, Boston University School of Medicine, Boston, MA
1993 – 1997	Teaching Fellow in Neurology, Boston University School of Medicine, Boston, MA
1993 – 1996	Residency training at the Department of Neurology, Boston Medical Center and Affiliated Hospitals Training Program, Boston, MA
1992 – 1993	PGY-1 Internal Medicine at the Department of Medicine, MetroHealth Medical Center, Cleveland, OH.
1983 – 1992	Medical School at the University of Leiden, the Netherlands.
1989 – 1992	Medical Doctor degree (Arts Examen)

**CERTIFICATIONS**

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August 2000	First Julius Survival Course on Evidence Based Medicine
November 1996	American Board of Psychiatry and Neurology Part I Examination in Neurology.
April 1998	American Board of Psychiatry and Neurology Part II Examination in

March 2008	Neurology. American Board of Psychiatry and Neurology Recertification in Neurology
April 2008	American Board of Psychiatry and Neurology certification in Vascular Neurology
January 2009	United Council for Neurological Subspecialties (UCNS) Certification in Neurocritical Care

### **ADMINISTRATIVE COMMITTEES STANFORD HOSPITAL AND CLINICS**

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2003 – 2009	Stanford Stroke Center Advisory Board
2004 – present	Stanford Hospital and Clinics Continuous Quality Improvement Committee
2005 – present	Stanford Hospital and Clinics Ethics Committee
2003 – present	Stanford Stroke Center Executive committee
2005	Stanford Hospital and Clinics CPOE Physician’s Advisory Group
2005 – 2006	Stanford Hospital and Clinics Rapid Response Team Committee
2007 – present	Stanford Hospital and Clinics Medical Emergency Response Committee (MERC)

### **SERVICE TO PROFESSIONAL PUBLICATIONS**

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**Ad hoc referee:**

2000 – Present	Journal of Neurology
2001 – Present	Stroke
2001 – Present	Neurosurgery
2004 – Present	Neurology
2005 – Present	Nature Clinical Practice Neurology
2006 – Present	Journal of Neurology, Neurosurgery, and Psychiatry (JNNP)
2007 – Present	The American Journal of Bioethics/AJOB-Neuroscience
2007 – Present	Future Neurology
2008 – Present	Cerebrovascular Diseases
2008 – Present	Annals of Neurology
2008 – Present	Faculty of a 1000

### **PROFESSIONAL SOCIETY AFFILIATIONS**

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- American Heart Association and American Stroke Association – Council of Stroke, Professional member
- American Academy of Neurology
- The Johns Hopkins Medical and Surgical Association
- Neurocritical Care Society (NCS)
  - 2004 – 2007 Neurocritical Care Society Publications Committee
  - 2007 – present NCS Annual Meeting Committee
  - 2008 – present NCS Clinical Trials Committee
  - 2008 – present NCS Board of Directors

- Western States Stroke Consortium
- Society of Critical Care Medicine
- Peninsula Stroke Association Medical Advisory Council

## TEACHING

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2008 – Present	“Christine’s case conference”. – monthly case conference for neurology residents and medical students – Stanford University
2006 – 2008	“Professor rounds” – weekly case conference for neurology residents and medical students – Stanford University
2004 – Present	CNRN preparation session on Neurocritical Care
2003 – Present	Stanford PM&R resident lecture series
2003 – 2007	“Challenging stroke cases” – monthly stroke conference – Stanford Stroke Center
2003 – 2006	Critical Care Medicine clerkship (306A) – Stanford University
2002 – Present	Pre-Clinical Medicine C Clinical Reasoning Neurological Diseases Module
2001 – 2006	Neurology resident lecture series – Stanford University
2001 – Present	Critical Care Medicine fellows didactic lecture series – Stanford University
1999 – 2001	Weekly stroke conference with residents, medical students, and fellows – University Medical Center Utrecht
1999 – 2001	Courses at Utrecht University School of Medicine: Capita Selecta, ALCO-1, clinical education sciences, Doc II education, Doc III education, KLO
1997 – 1998	Biology of Disease Course, Boston University School of Medicine

## AWARDS AND FELLOWSHIPS

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2006 – 2007	Lysia Forno Award for Teaching Excellence - Stanford Neurology Residents
2004 – 2007	AHA Scientist development Grant
2000	“Vaandragerprijs” for exceptional teaching skills, Dutch Society of Neurology Residents (V.A.A.N.), Garderen, Netherlands.
1994, 1997	Book prize, Stanley Cobb Assembly, Boston Society of Neurology and Psychiatry, Boston, MA.
1995	Best Medical Student Teaching Resident, Boston University School of Medicine.
1991	Research fellowship "Stichting de Drie Lichten," the Netherlands.

## RESEARCH INTERESTS

My overall career focus is on the advancement of knowledge, discovery of new treatments and improvement of quality of care for critically-ill neurological patients. My current research interests include: predicting outcome in patients who have suffered hypoxic-ischemic brain

injury due to cardiac arrest using MR imaging and biochemical markers, studying the process of perihematomal edema and secondary injury in patients with spontaneous intracerebral hemorrhage using biomarkers and MR imaging, determining the diagnostic utility of state-of-the-art MR imaging in spontaneous intracerebral hemorrhage and subarachnoid hemorrhage, and predicting outcome in critically-ill neurologic patients.

## RESEARCH SUPPORT

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**2RO1 NS034866-08 Wijman (PI)** 05/01/06 – 04/30/11  
**NIH**

Diagnostic Utility of MRI in Intracerebral Hemorrhage (DASH).

The overall aim of this project is to measure the impact of new, state-of-the-art brain imaging technology on the diagnosis and treatment of patients with a spontaneous ICH with the hope to improve patient outcome. Role: PI

**1R01HL089116-01A2 Wijman (PI)** 07/01/08 – 06/30/12  
**NIH/NHLBI**

Prognostic Value of MRI and Biomarkers in Comatose Post-cardiac Arrest patients.

This study is designed to assess the value of state-of-the-art brain imaging techniques (MRI) and blood tests in predicting outcome in these patients.

**FD-R-001693 Hanley (PI)** 09/15/03 – 12/31/08  
**FDA Office of Orphan Product Development**

Phase II, Randomized, Pharmacokinetic, Dose Finding, and Dose Frequency Determination using rt-PA in Intraventricular Hemorrhage.

This study is designed to investigate the optimum dose and dose frequency of recombinant tissue plasminogen activator administered via an intraventricular catheter to safely and effectively treat intraventricular hemorrhage (IVH) patients. Role: Local PI.

**NS39526 Powers (PI)** 09/01/03 – 04/30/09  
**NIH**

Carotid Occlusion Surgery Study (COSS)

The major goal of this study is to assess the benefit of carotid (EC/IC) bypass surgery in patients with a symptomatic carotid occlusion and an increased oxygen extraction fraction by PET of the affected hemisphere. Role: Sub-Investigator.

**P50NS044148 Lyden (PI)** 05/19/03 – 04/30/08  
**NIH**

Phase I Study of Intravenous Thrombolysis plus Hypothermia for Acute Treatment of Ischemic Stroke (ICTuS-L Clinical Trial)

The major goal of this study is to assess the safety and feasibility of the endovascular induction of hypothermia in patients presenting up to 6 hrs of the onset of an acute ischemic stroke who are treated with tPA. Role: Local PI.

**1U10NS58929-01 Quinn (PI)** 09/30/07 - 08/31/12  
**NINDS**  
 (NETT Clinical Site Hubs)

Stanford University Hub for Neurological Emergency Treatment Trials.  
Role: Co-Investigator.

**R01 NS046309-03 Hanley (PI)**

03/01/07 - 02/28/09

**NINDS**

ICH Removal: Minimally Invasive Surgery + rt-PA (MISTIE)

This study is designed to investigate the safety of minimally invasive surgery plus aspiration followed by the administration of a low dose of recombinant tissue plasminogen activator into intracerebral hemorrhage patients (ICH) via a catheter inserted directly into the clot.

Role: Local PI.

## **RESEARCH ACTIVITIES**

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### **Active Research Activities**

July – September 2006

Member:

NINDS Stroke PRG - Imaging Group

September 2006

Co-Chairman:

Recruitment/Planning Committee. Clot Lysis: Evaluating Accelerated Resolution of Intraventricular Hemorrhage. Phase II Multicenter study evaluating rt-PA treatment of patients with intraventricular hemorrhage (Clear IVH).

September 2006

Co-Chairman:

Protocol Committee. Clot Lysis: Evaluating Accelerated Resolution of Intraventricular Hemorrhage. Phase II Multicenter study evaluating rt-PA treatment of patients with intraventricular hemorrhage (Clear IVH).

September 2006

Member:

Surgical Committee, Executive Committee, Compliance Subcommittee, Steering Committee, and Publications Committee. Clot Lysis: Evaluating Accelerated Resolution of Intraventricular Hemorrhage. Phase II Multicenter study evaluating rt-PA treatment of patients with intraventricular hemorrhage (Clear IVH).

May 2006 – April 2011

Principal Investigator:

2R01 NS034866-08 (Wijman) Diagnostic Utility of MRI in Intracerebral Hemorrhage (DASH)

The overall aim of this project is to measure the impact of new, state-of-the-art brain imaging technology on the diagnosis and treatment of patients with a spontaneous ICH with the hope to improve patient outcome.

January 2006

Member:

Data Safety and Monitoring Board National Institute of Neurological Disorders and Stroke (NINDS) at NIH, ALIAS Phase III Trial: Albumin in Acute Ischemic Stroke PI: Myron Ginsberg.

January 2006

Member:

Data Safety and Monitoring Board (DSMB) National Institute of Neurological Disorders and Stroke (NINDS) at NIH, Interventional Management of Stroke Study (IMS III), PI: Joseph Broderick

Feb 2004 – Aug 2008

Co-Investigator:

1R01 NS047607-1 (Moseley) Improved PWI Methodology in Acute Clinical Stroke (PERFUSE). The goal of this project is to improve the ability of PWI MRI to quantitatively map perfusion in patients with suspected stroke.

Sept 2003 – Aug 2006

Co-Investigator:

1 RO1 EB002711-01 (Bammer) Improving SENSE MRI for Spiral and Echo-planar Imaging (SENSE). The overall goal is to demonstrate that SENSE can be combined with DWI/DTI to significantly improve the evaluation of patients with signs or symptoms of cerebral ischemia.

Feb 2006 – Dec 2007

Co-Investigator:

A double blind, randomized, placebo controlled, parallel group, multicenter, phase IIb/III study to assess the efficacy and safety of intravenous NXY-059 in acute ischemic stroke (SAINT II).

Sep 2005 – Dec 2007

Stanford Principal Investigator

Novo Nordisk Pharmaceuticals, Randomized, Double-Blind, Placebo Controlled, Multi-Center, Parallel Groups Confirmatory Efficacy and Safety Trial of Activated Recombinant Factor VII (NovoSeven®/Niastase®) in Acute Intracerebral Hemorrhage F7ICH-1641

Oct 2005 – Present

Co-Investigator

Clazosentan – A Phase IIb, multi-center study for the prevention of cerebral vasospasm after aneurysmal subarachnoid hemorrhage by intravenous administration of clazosentan, a selective endothelin and receptor antagonist.

July 2005 – Present

Co-Investigator

Specialty training and physician-decision making in the care of critically-ill neurologic patients

Jan 2004 – Dec 2007

Principal Investigator

Prognosis of Anoxic Coma by MRI and Serum Markers for Cerebral Injury, American Heart Association: National Scientist Development

- Award.  
Aug 2004 – Aug 2007  
Principal Investigator  
MRI for Evaluation of Perihematomal Changes in Spontaneous Intracerebral Hemorrhage and Its Response to Blood Pressure Lowering
- June 2004 – Present  
Principal Investigator  
Selective Cerebral Hypothermia in Acute Stroke
- Sep 2003 – Sept 2008  
Stanford Principal Investigator  
Clot Lysis: Evaluating Accelerated Resolution of Intraventricular Hemorrhage. Phase II Multicenter study evaluating rt-PA treatment of patients with intraventricular hemorrhage (Clear IVH).
- May 2003 – Apr 2008  
Stanford Principal Investigator  
P50NS044148 (Lyden) Phase I Multicenter NIH funded study evaluating hypothermia combined with rt-PA in acute ischemic stroke (0-6 hour window) (ICTuSL).
- Dec 2004 – Present  
Principal Investigator  
Differences between health care professionals in prognostication and decision making regarding continuation of full medical support in neurologic patients
- June 2004 – present  
Principal Investigator  
MRI to detect brain tissue at risk for infarction in aneurysmal subarachnoid hemorrhage.
- Jan 2004 – Jan 2008  
Co-Investigator  
Prevention Regimen for Effectively Avoiding Second Strokes (PRoFESS).
- Sep 1996 – April 2006  
Co-Investigator  
5R01 NS34866 (Moseley) DWI Assessment of Clinical Acute Stroke (DIAGNOSIS)  
The goal of this project is to assess the utility of T2- and diffusion-weighted MR in aiding the clinical diagnosis of human stroke.
- Nov 2003 – Present  
Co-Investigator  
A prospective randomized controlled trial to evaluate the safety and efficacy of the Starflex septal closure system in patients with stroke and/or TIA due to presumed paradoxical embolism through a patent foramen ovale. (Closure I Trial).
- July 2003- July 2008  
Co-Investigator  
NS39526 (Powers) Carotid Occlusion Surgery Study. Phase III

Multicenter NIH funded study evaluating the utility of EC-IC bypass in patients with a symptomatic carotid artery occlusion and an increased oxygen extraction fraction by PET (COSS).

April 2002 – Present  
Member

Steering committee and national registry coordinator US BASICS (Basilar Artery International Cooperation Study).

March 2002 – Present  
Member

Advisory Committee Hemicraniectomy After Middle cerebral artery infarction with Life-threatening Edema Trial (HAMLET).

### Completed Research Activities

Sept 2005 – Aug 2007  
Principal Investigator

Randomized, Double-Blind, Placebo Controlled, Multi-Center, Parallel Groups Confirmatory Efficacy and Safety Trial of Activated Recombinant Factor VII (NovoSeven®/Niasase®) in Acute Intracerebral Hemorrhage F7ICH-1641.

Sept 2004 – Aug 2006  
Principal Investigator

ESP Pharma (Wijman). MRI for evaluation of perihematoma changes in Spontaneous Intracerebral Hemorrhage and its response to blood pressure lowering.

In this study, with the help of novel MRI techniques, we aim to study the evolution of the edema around the blood clot, and also measure its response to different degrees of blood pressure lowering.

Jan 2004 – Dec 2007  
Principal Investigator

AHA 043275N (Wijman) Prognosis of Anoxic Coma by MRI and Serum Markers for Cerebral Injury. This AHA funded study aims to assess whether DWI MRI can be obtained in most patients who remain comatose after cardiac arrest within the first few days, and whether the severity of DWI abnormality and the blood levels of biochemical markers of brain injury can predict neurologic outcome at 6 months after the arrest.

Dec 2003 – July 2005  
Co-Investigator

An open-label, randomized, parallel-group, multi-center study to evaluate the efficacy and safety of enoxaparin versus unfractionated heparin in the prevention of venous thromboembolism in patients following acute ischemic stroke (PREVAIL).

Dec 2003 – June 2005  
Co-Investigator

Phase II ONO-2506 intravenous infusion on the amelioration of neurological damage and improvement in stroke assessment scale scores

- in patients with acute ischemic stroke  
Nov 2002 – Dec 2004  
Co-Investigator  
A Single Rising Dose Study of FK506 Lipid Complex (LCG) in Patients with Recent Ischemic Stroke (Fujisawa).
- Sep 2002 – Nov 2003  
Co-Investigator  
Mechanical Embolus Removal in Cerebral Ischemia (MERCII).
- June 2002 – June 2004  
Principal Investigator  
Novo Nordisk Intracerebral Hemorrhage Studies F7ICH-2073 and F7ICH-1371.
- Jan 2002 – May 2003  
Co-Investigator  
Study CNO2; Dose Escalation study of LBS-Neurons Implanted into the Basal Ganglia of Patients Following Stroke.
- May 2001 – June 2005  
Co-Investigator  
DWI Evaluation For Understanding Stroke Evolution (DEFUSE).
- May 2001 – Dec 2005  
Co-Investigator  
A Double-Blind, Randomized, Placebo-Controlled Study of Atorvastatin as Prevention of Cerebrovascular Events in Patients with a Previous Transient Ischemic Attack (TIA) or stroke (SPARCL).
- May 2001 – March 2004  
Co-Investigator  
Clopidogrel plus ASA versus clopidogrel alone for secondary stroke prevention in high risk patients with ischemic stroke (MATCH).
- May 2001 – Feb 2006  
Co-Investigator  
Long-term Treatment with Oral Thrombin Inhibitor H376/95, Compared to Warfarin as Stroke Prophylaxis in Patients with Atrial Fibrillation. An Open Follow-up Study (SPORTIF IV).
- May 2001 – April 2004  
Co-Investigator  
TPA Plus YM872 (AMPA receptor antagonist) versus TPA plus placebo in acute ischemic stroke (ARTIST)
- May 2001 – Jan 2003  
Co-Investigator  
Efficacy and Safety of the Oral Direct Thrombin Inhibitor H 376/95, Compared with Dose-Adjusted Warfarin (coumadin) in the Prevention of Stroke and Systemic Embolic Events in Patients with Atrial Fibrillation. Protocol 233 SH-TPA-0005 (SPORTIF V).
- May 2001 – Nov 2003  
Co-Investigator  
Warfarin Versus Aspirin for Stroke in Intracranial Disease (WASID).

Sep 2000 – March 2001

Co-Investigator

Protocol C0116T33; Abciximab (ReoPro) in Acute Ischemic Stroke: A Randomized, Double-blind, Placebo-controlled Trial.

Jan 2000 – March 2001

Co-Investigator

Fluid management in subarachnoid hemorrhage.

Sep 1998 – Jan 1999

Co-Investigator

Circulatory mechanisms of cardiopulmonary bypass related brain injury.

July 1998 – Jan 1999

Co-Investigator

The Clomethiazole acute stroke study in ischemic stroke (Class-I): a double blind, parallel group, multinational, multicenter study of the efficacy and safety of intravenous Clomethiazole compared to placebo in patients with acute ischemic stroke.

July 1998 – Jan 1999

Co-Investigator

The Clomethiazole acute stroke study in t-PA treated ischemic stroke (Class-T): a double blind, parallel group, multinational, multicenter study of the efficacy and safety of intravenous Clomethiazole compared to placebo in patients treated with t-PA for acute ischemic stroke.

July 1998 – Jan 1999

Co-Investigator

The Clomethiazole acute stroke study in acute intracerebral hemorrhage (Class-H): a double blind, parallel group, multinational, multicenter study of the efficacy and safety of intravenous Clomethiazole compared to placebo in patients with acute intracerebral hemorrhage.

Sep 1997 – June 1999

Principal Investigator

Retinal Ischemia and Asymptomatic Retinal Embolism Study, Boston Medical Center and Boston Veterans Administration Medical Center.

June 1997 – July 1997

Co-Investigator

Glycine Antagonist in Neuroprotection - 2, Glaxo-Wellcome

July 1996 – June 1998

Co-Investigator

Warfarin Aspirin Recurrent Stroke Study / Antiphospholipid Antibodies Stroke Study, (WARSS/APASS) NINDS.

July 1996 – June 1998

Fellow Investigator

The Framingham Study, Framingham, MA.

Jan 1992 – June 1992

Research Elective

Rehabilitation Engineering Center, MetroHealth Medical Center / Case Western Reserve University, Cleveland, OH. Advisors: P.H. Peckham,

Ph.D., Professor of Biomedical Engineering, and M.W. Keith, M.D., Associate Professor of Orthopaedics. Subject: Evaluation of tendon transfer surgery in quadriplegic patients.

Aug 1988 – Aug 1989

Research Elective

Rehabilitation Engineering Center, MetroHealth Medical Center /Case Western Reserve University, Advisors: W.J. Rietveld, Ph.D., Professor of Physiology, University of Leiden, the Netherlands, and P.H. Peckham, Ph.D., Professor of Biomedical Engineering, CWRU. Subjects: Review study of functional hand tests, evaluation of hand function in quadriplegic patients using a hand neuroprosthesis.

## **PUBLICATIONS**

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### **Peer Reviewed**

1. Wijman CA, Stroh KS, Van Doren CL, Thrope GB, Peckham PH, Keith MW. Functional evaluation of quadriplegic patients using a hand neuroprosthesis. *Arch Phys Med Rehabil* 1990;71:1053-1057.
2. Babikian VL, Wijman CA, Hyde C, Cantelmo NL, Winter MR, Baker E, Pochay V. Cerebral microembolism and early recurrent cerebral or retinal ischemic events. *Stroke* 1997;28:1314-1318.
3. Wijman CA, Babikian VL, Matjucha IC, Koleini B, Hyde C, Winter MR, Pochay VE. Cerebral microembolism in patients with retinal ischemia. *Stroke* 1998;29:1139-1143.
4. Wijman CA, Kase CS, Jacobs AK, Whitehead RE. Cerebral air embolism as a cause of stroke during cardiac catheterization. *Neurology* 1998;51:318-319.
5. Wijman CA, Wolf PA, Kase CS, Kelly-Hayes M, Beiser AS. Migrainous visual accompaniments are not rare in late life: the Framingham Study. *Stroke* 1998;29:1539-1543.
6. Romano JG, Babikian VL, Wijman CA, Hedges TR 3rd. Retinal ischemia in aortic arch atheromatous disease. *J Neuroophthalmol* 1998;18:237-241.
7. Mendez MV, Wijman CA, Matjucha IC, Menzoian JO. Carotid endarterectomy in a patient with anterior ischemic neuropathy. *J Vasc Surg* 1998;28:1107-1111.
8. Varelas PN, Wijman CAC, Fayad P. Uncommon migraine subtypes and their relation to stroke. *The Neurologist* 1999;5:135-144.
9. Wijman CA, Babikian VL, Winter MR, Pochay VE. Distribution of cerebral microembolism in the anterior and middle cerebral arteries. *Acta Neurol Scand* 2000;101:122-127.
10. Wijman CA, Babikian VL, Matjucha IC. Monocular visual loss and platelet fibrin embolism to the retina. *J Neurol Neurosurg Psychiatry* 2000;68:386-387.
11. Schäuble B, Wijman CA, Koleini B, Babikian VL. Ophthalmic artery microembolism in giant cell arteritis. *J Neuroophthalmol* 2000;20:273-275.
12. Wijman CA, McBee NA, Keyl PM, Varelas PN, Williams MA, Ulatowski JA, Hanley

- DF, Wityk RJ, Razumovsky AY. Diagnostic impact of early transcranial Doppler ultrasonography on the TOAST classification subtype in acute cerebral ischemia. *Cerebrovasc Dis* 2001;11:317-323.
13. Thijs RD, Wijman CA, van Dijk GW, van Gijn J. A case of bilateral medial medullary infarction demonstrated by magnetic resonance imaging with diffusion-weighted imaging. *J Neurol.* 2001;248:339-340.
  14. Babikian V, Wijman CA, Koleini B, Malik SN, Goyal N, Matjucha IC. Retinal ischemia and embolism. Etiologies and outcomes based on a prospective study. *Cerebrovasc Dis* 2001;12:108-113
  15. Wijman CA, Beijer IS, van Dijk GW, Wijman MJ, van Gijn J. Hypertensive encephalopathy: does not only occur at high blood pressure. *Ned Tijdschr Geneeskd* 2002;146:969-973. (Dutch).
  16. Mouradian M, Wijman CA, Tomasian D, Davidoff R, Koleini B, Babikian VL. Echocardiographic findings of patients with retinal ischemia or embolism. *Neuroimaging* 2002;12:219-223
  17. Tong DC, Delio PR, Wijman CAC. Advances in acute stroke management: recent clinical trials. *Cardiology special edition* 2002;8:31-36.
  18. Bisschops RH, Wijman CA. Unilateral moyamoya disease in two brothers in the Netherlands. *Cerebrovasc Dis* 2003;16:105-106.
  19. Wijman CA. Can we predict massive space-occupying edema in large hemispheric infarctions? *Stroke* 2003;34:1899-1900.
  20. Babikian VL, Wijman CA. Brain embolism monitoring with transcranial Doppler. *Curr Treat Options Cardiovasc Med* 2003;5:221-232.
  21. Wijman CAC, Steinberg GK. Comment on: Qureshi AI, Ziai WC, Yahia AM, Mohammad Y, Sen S, Agarwal P, Zaidat OO, Suarez JI, Wityk RJ. Stroke-free Survival and Its Determinants in Patients with Symptomatic Vertebrobasilar Stenosis: A Multicenter Study. *Neurosurgery* 2003;52:1033-1039; discussion 1039-1040.
  22. Wijman CA, Gomes JA, Winter MR, Koleini B, Matjucha IC, Pochay VE, Babikian VL. Symptomatic and asymptomatic retinal embolism have different mechanisms. *Stroke* 2004;35: e100-e102.
  23. Mayer SA, Brun NC, Begtrup K, Broderick J, Davis S, Diringer MN, Skolnick BE, Steiner T; Recombinant Activated Factor VII Intracerebral Hemorrhage Trial Investigators. Recombinant activated factor VII for acute intracerebral hemorrhage. *N Engl J Med* 2005;352:777-785.
  24. Oyelese AA, Steinberg GK, Huhn SL, Wijman CA. Paradoxical cerebral herniation secondary to lumbar puncture after decompressive craniectomy for a large space-occupying hemispheric stroke: case report. *Neurosurgery.* 2005;57:E594
  25. Kakuda W, Thijs VN, Lansberg MG, Bammer R, Wechsler L, Kemp S, Moseley ME, Marks MP, Albers GW; DEFUSE Investigators. Clinical Importance of Microbleeds in Patients Receiving IV Thrombolysis. *Neurology* 2005;65:1175-1178.

26. Caulfield AF, Lansberg MG, Marks MP, Albers GW, Wijman CA. MRI characteristics of cerebral air embolism from a venous source. *Neurology* 2006;66:945-946.
27. Mayer SA, Brun NC, Broderick J, Davis SM, Diringner MN, Skolnick BE, Steiner T; United States NovoSeven ICH Trial Investigators. Recombinant activated factor VII for acute intracerebral hemorrhage: US phase IIA trial. *Neurocrit Care* 2006;4:206-214.
28. Schonewille W, Wijman C, Michel P; BASICS Investigators. Treatment and clinical outcome in patients with basilar artery occlusion. *Stroke* 2006; 37:2206. (Letter).
29. Wijman CA, Venkatasubramanian C. The effect of blood pressure on hematoma and perihematomal area in acute intracerebral hemorrhage. *Neurosurg Clin N Am* 2006;17 (Suppl):11-24.
30. Finley Caulfield A, Wijman CA. Critical care of acute ischemic stroke. *Crit Care Clin* 2006; 22:581-606.
31. Fields JD, Lansberg MG, Skirboll SL, Kurien PA, Wijman CA. "Paradoxical" transtentorial herniation due to CSF drainage in the presence of a hemicraniectomy. *Neurology* 2006; 67:1513-1514.
32. Albers GW, Thijs VN, Wechsler L, Kemp S, Schlaug G, Skalabrin E, Bammer R, Kakuda W, Lansberg MG, Shuaib A, Coplin W, Hamilton S, Moseley M, Marks MP; DEFUSE investigators. Magnetic resonance imaging profiles predict clinical response to early reperfusion: the diffusion and perfusion imaging evaluation for understanding stroke evolution (DEFUSE) study. *Ann Neurology* 2006; 60:508-517.
33. O'Donnell MJ, Valens N, Lansberg MG, Wijman CA. Thyroid replacement therapy and atrial fibrillation in acute ischemic stroke. *Neurology* 2006; 67:1714-1715.
34. Lansberg MG, Albers GW, Wijman CA. Symptomatic intracerebral hemorrhage following thrombolytic therapy for acute ischemic stroke: a review of the risk factors. *Cerebrovasc Dis* 2007; 24:1-10.
35. Schonewille WJ, Wijman CAC, Michel P, Algra A, Kappelle LJ, on behalf of the BASICS study group. The Basilar Artery International Cooperation Study (BASICS). *International Journal of Stroke* 2007; 2:220-223.
36. Lansberg MG, Thijs VN, Bammer R, Kemp S, Wijman CA, Marks MP, Albers GW; DEFUSE Investigators. Risk factors of symptomatic intracerebral hemorrhage after tPA therapy for acute stroke. *Stroke* 2007; 38:2275-2278.
37. Campbell DM, Bruins S, Vogel H, Shuer LM, Wijman CA. Intracerebral hemorrhage caused by cerebral amyloid angiopathy in a 53-year-old man. *J Neurol* 2008;255:597-598.
38. Smith WS, Sung G, Saver J, Budzik R, Duckwiler G, Liebeskind DS, Lutsep HL, Rymer MM, Higashida RT, Starkman S, Gobin YP; Multi MERCI Investigators, Frei D, Grobelny T, Hellinger F, Huddle D, Kidwell C, Koroshetz W, Marks M, Nesbit G, Silverman IE. Mechanical thrombectomy for acute ischemic stroke: final results of the Multi MERCI trial. *Stroke* 2008; 39:1205-1212.
39. Mayer SA, Brun NC, Begtrup K, Broderick J, Davis S, Diringner MN, Skolnick BE,

- Steiner T; FAST Trial Investigators. Efficacy and safety of recombinant activated factor VII for acute intracerebral hemorrhage. *N Engl J Med* 2008;358:2127-37.
40. Finley Caulfield A, Wijman CAC. Management of acute ischemic stroke. *Neurol Clin* 2008; 26:345-371.
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42. Hofmeijer J, Kappelle LJ, Algra A, Amelink GJ, van Gijn J, van der Worp HB; HAMLET investigators. Surgical decompression for space-occupying cerebral infarction (the Hemicraniectomy After Middle Cerebral Artery infarction with Life-threatening Edema Trial [HAMLET]): a multicentre, open, randomised trial. *Lancet Neurol.* 2009;8:326-33.
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### **MONOGRAPHS**

**Wijman CAC.** Retinal Ischemia and Embolism: Causes and outcomes. Thesis, Utrecht University, The Netherlands. June 5, 2007.

### **BOOK CHAPTERS**

1. **Wijman CAC**, Kase CS. What should become the treatment of cerebral hemorrhage? In: J Bogousslavsky, ed, *Acute Stroke Treatment*, Martin Dunitz Publishers, London, 1997:245-258.
2. **Wijman CAC**, Kase CS. Management of intracerebral hemorrhage: medical considerations. In: HJM Barnett, JP Mohr, BM Stein, FM Yatsu, eds, *Stroke: Pathophysiology, Diagnosis, and Management*, 3rd ed, Churchill Livingstone, New York, 1998:1359-1372.
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**Non-peer reviewed**

1. **Wijman CAC**. Keeping a Cool Head While Treating Acute Stroke. *Practical Neurology* 2004;3:62-63.
2. **Wijman CAC**. Hypothermia for Treatment of Ischemic Stroke. American Academy of Neurology, 56<sup>th</sup> Annual Meeting Syllabus. 2004.
3. **Wijman CAC**, Rachabattula S, Broderick JP. Intracerebral hemorrhage due to thrombolytic therapy. *Medlink Neurology*. March 15, 2005.
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6. **Wijman CAC**. Critical Care for Cerebrovascular Patients; What General Neurologists Needs to Know. American Academy of Neurology, 58<sup>th</sup> Annual Meeting Syllabus. 2006.
7. AAN syllabi 2009 and 2007?

**ABSTRACTS – Peer reviewed**

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52. Venkatasubramanian C, Mlynash M, Kalimuthu R, Bammer R, **Wijman CA**. Natural History and Clinical Significance of Perihematomal Edema after Spontaneous Intracerebral Hemorrhage. International Stroke Conference, February 2007.
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54. Schwartz NE, Campbell DM, Mlynash M, Albers GW, Bammer R, Moseley ME, Steinberg GK, & **Wijman CA**. Magnetic resonance perfusion-weighted imaging predicts symptomatic vasospasm following aneurysmal subarachnoid hemorrhage. American Association of Neurological Surgeons Annual Meeting, April 2007.
55. Racine E, Dion M-J, Lansberg M, Illes J, **Wijman C**. A Qualitative Study of Prognostication and End-of-Life Decision-Making in Critically-Ill Neurological Patients. 3rd International Conference on Clinical Ethics and Consultation/18th Canadian Bioethics Society, May/June 2007.
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57. Campbell DM, Beraud AS, Mlynash M, Schnittger I, Eyingorn I, Kumar MA, Tong DC, Moseley M, Albers GW, **Wijman CAC**. Yield of transesophageal echocardiography in ischemic stroke patients by age and lesion pattern on diffusion-weighted MRI. AHA International Stroke Conference, February 2008.
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59. Kumar MA, Vangala H, Campbell DM, Eynhorn I, Belgude A, Olivot JM, Beraud AS, Lansberg MG, Schnittger I, **Wijman CA**, Tong DC, Mlynash M, Moseley M, Albers GW. MRI/MRA Patterns Predict the Diagnostic Utility of Transesophageal Echocardiography in Patients with Acute Stroke. AHA International Stroke Conference, February 2008.
60. Kumar MA, Campbell DM, Vangala H, Eynhorn I, Olivot JM, Beraud AS, Belgude A, Lansberg MG, Schnittger I, **Wijman CA**, Tong DC, Mlynash M, Moseley M, Albers GW. MRI-Based Diagnostic Evaluation has Substantial Impact on Final Stroke Diagnosis. AHA International Stroke Conference, February 2008.
61. Hemmen T. et al. Intravenous Thrombolysis plus Hypothermia for Acute Treatment of Ischemic Stroke (ICTuS-L). AHA International Stroke Conference, February 2008.
62. Finley Caulfield A, Gabler L, lansberg M, Eynhorn I, Mlynash M, Wijman CAC. Accuracy of outcome prediction in critically ill neurological patients by neurointensivists. Platform presentation. Neurocritical Care society 6<sup>th</sup> Annual Meeting. October 23, 2008. Neurocritical Care 2008;9:S9.
63. Venkatasubramanian C, Mlynash M, Finley-Caulfield A, Eynhorn I, Rajalakshmi Kalimuthu R, Snider R, Wijman CAC. Temporal profile, predictors and clinical significance of perihematomal edema after spontaneous intracerebral hemorrhage. Neurocritical Care society 6<sup>th</sup> Annual Meeting. October 23, 2008. Neurocritical Care 2008;9:S62.
64. Venkatasubramanian C, Olivot JM, Kleinman J, Fischbein N, Wijman CA. Incidence and Temporal Profile of Wallerian Degeneration Following Intracerebral Hemorrhage. AHA International Stroke Conference, San Diego, CA, February 2009.
65. Mlynash M, Finley Caulfield A, Eynhorn I, Buckwalter MS, Wijman CAC. Prognostic Accuracy of Serum Neuron-Specific Enolase Levels in Comatose Post-Cardiac Arrest Patients. AHA International Stroke Conference, San Diego, CA, February 2009.
66. Bilensoy Aksoy D, Bammer R, Venkatasubramanian C, Gupta SN, Mlynash M, Wijman CAC. Assessment of Blood-Brain Barrier Injury Following Acute Intracerebral Hemorrhage by DCE MRI. International Society for Magnetic Resonance in Medicine (ISMRM) 17<sup>th</sup> Scientific Meeting & Exhibition, Honolulu, HI, April 2009.

## **LECTURES, PRESENTATIONS, AND CONFERENCES**

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### **Intramural**

1. Transient monocular blindness. Department of Ophthalmology, Boston University School of Medicine, Boston, MA. October 1997.
2. Migrainous visual symptoms or TIA's? The Framingham Study. Triannual meeting of the Framingham study and the section of Preventive Medicine and Epidemiology, Boston University School of Medicine, Boston, MA. February 1998.
3. Decompressive surgery for space-occupying hemispheric infarction. Neuroscience grand

- rounds. Stanford University, Stanford, California. July 2001.
4. Intracerebral hemorrhage: are there any treatment options? Neuroscience grand rounds. Stanford University, Stanford, California. March 2002.
  5. Hypothermia and Cerebral Injury. Grand rounds. Department of Internal Medicine. Stanford University School of Medicine. July 2003.
  6. Resuscitative (Post-Injury) Hypothermia: Clinical Evidence to Date. Neuroscience Grand Rounds, Stanford University, Stanford, CA. August, 2003.
  7. 3<sup>rd</sup> Annual Clinical Neuroscience Symposium: Cases, concept, and questions. Neurocritical care. Stanford University, Stanford, CA. November, 2003.
  8. Prognosis after Catastrophic Stroke. Neuroscience Grand Rounds. Stanford University, Stanford, CA. December, 2003.
  9. Stroke warning signs: What you should look for. Stroke Awareness. A community education program brought to you by the Stanford Stroke Center. March, 2004.
  10. Stroke and Intracerebral Hemorrhage. In: Adult Critical Care: Neurologic Dysfunction, Palo Alto, CA. March 2004.
  11. Update on the management of intracerebral and intraventricular hemorrhage. Neuroscience Grand Rounds. Stanford University, Stanford, CA. July, 2004.
  12. Diagnostic Utility of MR Imaging in Intracerebral Hemorrhage: What should be the next step? Clinical Stroke Conference. Stanford University, Stanford, CA, August 9, 2004.
  13. Hypothermia Following Cardiac Arrest. Critical Care Symposium, Stanford Hospital and Clinics. San Francisco CA, November 11, 2004.
  14. Management of the critically ill neurologic patient. Clinical Neuroscience Registered Nurse review course. Stanford University Medical Center. November 29, 2004.
  15. Treatment of Cardiac Arrest. Neuroscience Grand Rounds. Stanford University, Stanford, CA. December 10, 2004.
  16. Therapeutic Hypothermia in the Management of Cardiac Arrest. Cardiology Grand Rounds. Stanford University, Stanford, CA. July 29, 2005.
  17. What's new in the Management of Intracerebral Hemorrhage? Grand Rounds. Department of Internal Medicine. Stanford University, Stanford, CA. November 3, 2005.
  18. Management of the Cardiac Arrest Patient: a Neurointensivist's Perspective. Grand Rounds, Division of Pulmonary/Critical Care Medicine, Department of Internal Medicine. Stanford University, Stanford, CA. November 18, 2005.
  19. Novel neurocritical care treatments for acute stroke. Neuro Assessment and Intervention in the ICU. Palo Alto, CA. December 6, 2005.
  20. Sodium fluctuations and the brain. Grand Rounds, Department of Anesthesia. Stanford University, CA. February 27, 2006.
  21. Novel treatment strategies for acute stroke. 3<sup>rd</sup> Annual clinical update in adult medicine. Stanford, CA. March 31, 2006.

22. Therapeutic Hypothermia. Nursing Education Day, Fairchild Auditorium, Stanford, CA. April 25, 2006.
23. Stroke Mimics in the Intensive Care Unit, Nursing Education Day, Fairchild Auditorium, Stanford, CA. April 25, 2006.
24. "The Utility of DWI to predict Neurologic Outcome in Comatose Patients after Cardiac Arrest," Clinical Stroke Conference, Stanford, CA. May, 08, 2006.
25. Stroke Mimics in the ICU. Grand Rounds, Department of Neurosurgery. Stanford University, CA. August 11, 2006.
26. Iatrogenic Stroke Syndromes in the Intensive Care Unit. Multidisciplinary ICU Conference. Stanford University, CA. September 27, 2006.
27. Innovative stroke Therapies. Nurse case managers Conference, Stanford University, CA. September 27, 2006.
28. Hypothermia as a Treatment for Ischemic Brain Injury. Residents lecture. Department of Physical medicine and rehabilitation, Stanford University, CA. October 17, 2006.
29. Stroke and Intracerebral Hemorrhage. Adult Critical Care: Neurologic Dysfunction CE course. The Center for Education and Professional Development, Division of Patient Care Services, Stanford, CA. February 2, 2007.
30. Acute Ischemic Stroke Update. The Evolution of Stroke: Pathophysiology and Treatment CE course. The Center for Education and Professional Development, Division of Patient Care Services, Palo Alto, CA. March 8, 2007.
31. Challenging Stroke Syndromes in the Intensive Care Unit. Grand Rounds, Department of Neurology. Stanford University, CA. May 11, 2007.
32. Therapeutic Hypothermia for Ischemic Brain Injury. Multidisciplinary ICU Conference. Stanford, CA. May 21, 2007.
33. Hypothermia as a Treatment for Ischemic Brain Injury. Grand Rounds, Department of Neurology. Stanford University, CA. July 13, 2007.
34. Novel Treatment Strategies for Brain Hemorrhage. Stanford Stroke Group. January 23, 2008.
35. Neurological Complications of Cardiothoracic Surgery. Grand Rounds Cardiothoracic Surgery. March 31, 2008.
36. Utilizing Hypothermia in Stroke Treatment. Neuroscience Nursing Symposium: Innovate, Motivate, and Challenge: Planning for the Future of Neuroscience. Palo Alto, CA. April 24, 2008.
37. Induced Hypothermia after Cardiac Arrest. Grand Rounds Cardiovascular Medicine. Stanford University, CA. May 23, 2008.
38. New Treatment Strategies for Intracerebral Hemorrhage. Grand Rounds Neurological Surgery. Stanford University, CA. June 20, 2008.
39. Cerebral hemorrhage related brain research. Neuroradiology research conference. Stanford University, CA. September 11, 2008.

40. Blood injury markers after cardiac arrest. What do they mean? Stanford Stroke Center research conference. Stanford University, CA. September 15, 2008.
41. Brain Injury Associated with Cardiac Arrest. Translating discoveries. Stanford University Medical School. October 10, 2008.
42. Sedation and Pain Assessment in the Neuro patient. Neuroscience Update. Stanford, CA February 10, 2009

### **Extramural**

1. Clinical aspects of functional neuromuscular stimulation of the quadriplegic hand. Department of Rehabilitation Medicine, University Hospital of Leiden, the Netherlands. October 1991.
2. Functional neuromuscular stimulation of hand muscles in cervical cord injured patients. Departments of Neurology, Neurosurgery, and Neurophysiology, Westeinde Hospital and Leyenburg Hospital, Den Haag, the Netherlands. November 1990.
3. Functional neuromuscular stimulation in the tetraplegic hand. The European Conference on the Advancement of Rehabilitation Technology, Maastricht, the Netherlands. November 1990.
4. Tendon transfer surgery for restoration of hand function in quadriplegia. Department of Orthopaedics, University Hospital of Leiden, the Netherlands. July 1990.
5. Functional neuromuscular stimulation of paralyzed hand muscles in C5 and C6 quadriplegic patients. Adviesgroep TPR, Rehabilitation Center De Hoogstraat, Utrecht, the Netherlands. June 1990.
6. Performance of a hand neuroprosthesis in C5 and C6 spinal cord injury patients. Stanley Cobb Assembly, Boston Society of Neurology and Psychiatry, Boston, MA. April 1995.
7. A 60-year-old male with renal failure and cortical blindness. Boston Society of Neurology and Psychiatry, Boston, MA. September 1997.
8. Clinical aspects of microemboli detection in cerebrovascular disease. Interpretation and Advanced Clinical Applications in Neurovascular Ultrasound. Wake Forest University School of Medicine, Winston-Salem, NC. January 1998.
9. Cerebral microembolism occurs in specific stages of CABG. World Congress on Cerebral Embolism, Monitoring, Prevention and Treatment, New Orleans, LA. November 1998.
10. Impact of early TCD upon stroke subtype diagnosis in patients with acute cerebral ischemia. Fourth Meeting of European Society of Neurosonology and Cerebral Hemodynamics, Venice, Italy. April 1999.
11. Perimesencephalic Hemorrhage. Stroke Conference, Stanford University, Stanford, CA. February 2000.
12. Innovative stroke therapies. Symposium: Innovations in Pediatric and Adult critical Care. Big island of Hawaii. September 2002

13. Hypothermia and cerebral injury. Symposium: Innovations in Pediatric and Adult critical Care. Big island of Hawaii. September 2002
14. Hypothermia and cerebral injury. Grand rounds, Department of Neurology, Boston University School of Medicine, Boston, MA. November 2002
15. Management of intracerebral hemorrhage. Get with the Guidelines. American Heart Association. Redwood City, CA. January 2003
16. Innovative Stroke Therapies. Clinical Update: Innovations in Care. Reno, NV. July 2003.
17. Hypothermia for treatment of ischemic stroke. In: "Cerebrovascular Disease: Advances in Stroke for the New Millennium." American Academy of Neurology. April 2004.
18. Hypothermia as a treatment for ischemic brain injury. Grand Rounds, Salinas Valley Memorial Healthcare System, Salinas, CA. June 2004.
19. Management of intracerebral hemorrhage: What Is New? Grand rounds, El Camino Hospital, Mountain View, CA. July 2004.
20. An update on stroke. Community Health Resource Center, Palo Alto Medical Foundation. Palo Alto, CA, October 12, 2004.
21. Update on the Management of Intracerebral hemorrhage. In: "Cerebrovascular Disease: Advances in Stroke for the New Millennium." American Academy of Neurology. April 15, 2005.
22. Treatment and Prognosis following Cardiac Arrest. Neurology Grand Rounds. Northwestern University, Chicago, IL, April 26, 2005.
23. Advancements in the Management of Hemorrhagic stroke: Intracerebral and Subarachnoid Hemorrhage. Grand rounds, El Camino Hospital, Mountain View, CA. January 12, 2006
24. The Utility of DWI to Predict Neurologic Outcome in Comatose Patients after Cardiac Arrest. Platform presentation. AHA International Stroke Conference, Kissimmee, FL. February 18, 2006.
25. What is new in the management of intracerebral hemorrhage? Grand Rounds. Community hospital of the Monterey Peninsula, Monterey, CA. March 22, 2006.
26. Recent advances in stroke management. Grand Rounds Sequoia Hospital, Redwood City, CA. March 24, 2006.
27. Stroke and Women. Peninsula Stroke Association. San Jose, CA. March 22, 2006.
28. Stroke treatments and future directions. Peninsula Stroke Association Victory Over Stroke Program. Palo Alto, CA. May 18, 2006.
29. Update on the management of acute ischemic stroke. Medical Grand Rounds. Mendocino Coast district Hospital. Fort Bragg, CA. June 30, 2006.
30. Acute Ischemic Stroke Update. National Stroke Association. Las Vegas, NE. September 9, 2006.
31. Novel Treatment Strategies for Acute Ischemic Stroke. Stroke Conference. Boston

- University Medical Center. Boston, MA. September 18, 2006.
32. Challenging Stroke Syndromes in the ICU. Grand Rounds. Boston University medical Center. Boston, MA. September 19, 2006.
  33. Critical Care of Hemorrhagic Stroke. Grand Rounds. Good Samaritan Hospital, San Jose, CA. September 20, 2006.
  34. What is New in the Treatment of Intracerebral Hemorrhage? Grand Rounds. John Muir medical Center, Walnut Creek, CA. November 14, 2006.
  35. Therapeutic hypothermia for ischemic brain injury. Grand rounds. Department of Neurology. University of California San Diego, San Diego, CA. December 8, 2006.
  36. Strokes Caused by Bleeding in the Brain. Peninsula Stroke Association Victory over Stroke Program. Palo Alto, CA. May 22, 2007.
  37. “Cristanne onderwijs”. Neurology resident teaching lecture. University Medical Center Utrecht, the Netherlands. June 7, 2007.
  38. Hypothermia after cardiac arrest. It’s Hip to Be Cool: Hypothermia and the Injured Brain. Breakfast panel. American Society of Anesthesiology Annual Meeting. San Francisco, CA. October 15, 2007.
  39. Critical care for cerebrovascular patients. Second Annual Time is brain advances in stroke care conference. Wakemed Health and hospitals stroke program. Raleigh, NC. October 19, 2007.
  40. Novel Diagnostic and Therapeutic Strategies for Intracerebral Hemorrhage. El Camino Hospital Quarterly stroke Meeting. Mountain View, CA. January 10, 2008.
  41. Hypothermia after Cardiopulmonary Arrest: What is the Evidence that it Protects the Brain? Society of Critical Care medicine’s 37<sup>th</sup> Critical Care Congress. Honolulu, HI. February 5, 2008.
  42. MR Imaging in Cerebral Hemorrhage – Clinical and Research Applications. Plenary session: Cerebral hemorrhage: An Overview. AHA International Stroke Conference, New Orleans, LA. February 21, 2008.
  43. Prognostic value of a Qualitative MRI Scoring System for Neurologic Outcome of Comatose Survivors after Cardiac Arrest. AHA International Stroke Conference, New Orleans, LA. February 22, 2008.
  44. Critical Care Management of Acute Stroke. Peninsula Stroke Association Victory over Stroke Program. Millbrae, CA. May 8, 2008.
  45. Surgical Management of Intracerebral Hemorrhage. National Stroke Association/Western States Stroke Consortium Combined Program. Long Beach, CA. September 6, 2008.
  46. Neurocritical Care 2008: State of the Art. Stanford Clinical Neurosciences Update. Monterey, CA. October 5, 2008
  47. Accuracy of outcome prediction in critically ill neurological patients by neurointensivists. Platform presentation. Neurocritical Care society 6<sup>th</sup> Annual Meeting. October 23, 2008.
  48. Recent Advances in Neurocritical Care. Research Highlights of 2008. Stroke Management

Update. February 19, 2009.

49. Prognostic Accuracy of Serum Neuron-Specific Enolase Levels in Comatose Post-Cardiac Arrest Patients. AHA International Stroke Conference, San Diego, CA. February 20, 2009.