BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME **Wijman, Christine A.C.**	POSITION TITLE **Associate Professor of Neurology and Neurological Sciences**
eRA COMMONS USER NAME **WIJMAN.CHRISTINE**	

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as*

INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Leiden University, The Netherlands	**MD**	**1992**	**Medicine**
University of Utrecht, The Netherlands	**PhD**	**2007**	**Medicine/Neurology**

A. Positions and Honors

1992 – 1993	Internship in Internal Medicine, Case Western Reserve University, Cleveland, OH.
1993 – 1996	Residency in Neurology, Boston University Medical Center and Affiliated Hospitals Training Program, Boston, MA
1996 – 1998	Fellowship in Stroke, Department of Neurology, Boston University Medical Center and Affiliated Hospitals Training Program, Boston, MA
1998 – 1999	Fellowship in Critical Care Neurology, Department of Neurology, Johns Hopkins Medical Center, Baltimore, MD
1999 – 2001	Neurology Clinical faculty, University of Utrecht, Utrecht, The Netherlands
2001 – 2007	Assistant Professor of Neurology and Neurological Sciences, and, by courtesy, Neurological surgery, Stanford University, Stanford, CA
2001 – present	Director of Neuro-Critical Care, Stanford Hospital, Stanford, CA
2007 – present	Associate Professor of Neurology and Neurological Sciences, and, by courtesy, Neurological surgery, Stanford University, Stanford, CA

Other Experience and Professional Memberships

1988 – 89, 1992	Research elective: Rehabilitation Engineering Center Metro Health Medical Center / Case Western Reserve University, Cleveland, OH. Subjects: Evaluation of hand function in quadriplegic patients using a hand neuroprosthesis.
1989	Graduate Course; "Clinical Decision Analysis", Case Western Reserve University, Cleveland, OH
1996 – present	Stroke Council, American Heart Association
1995 – present	American Academy of Neurology
1998 – present	The Johns Hopkins Medical and Surgical Association
2004 – present	Neurocritical Care Society (NCS), Member of Board of Directors since 2008
2005 – present	Society of Critical Care Medicine

Honors and Awards

1991	Research award Stichting de Drie Lichten, The Netherlands
1995	Best Medical Student Teaching Resident, Boston University School of Medicine
1994, '95, '97	Book prize, Stanley Cobb Assembly, Boston Society of Neurology and Psychiatry
2000	"Vaandragerprijs" for exceptional teaching skills, Dutch Society of Neurology Residents
2004 – 2007	Scientist Development Grant, American Heart Association
2004	Office of Technology Licensing (OTL) Research Incentive Award, Stanford
2006 – 2007	Lysia Forno Award for Teaching Excellence - Stanford Neurology Residents

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B. Selected Peer-reviewed publications (in chronological order)

1. Babikian VL, Wijman CAC, Hyde C, Cantelmo NL, Pochay V, Winter MR, Baker E. Cerebral microembolism and early recurrent cerebral or retinal ischemic events. Stroke 1997; 28:1314-1318.
2. Wijman CAC, Babikian VL, Matjucha ICA, Koleini B, Winter MR, Pochay VE. Cerebral microembolism in patients with retinal ischemia. Stroke 1998; 29:1139-1143.
3. Wijman CAC, Kase CS, Jacobs AK, Whitehead R. Cerebral air embolism as a cause of stroke during cardiac catheterization. Neurology 1998; 51:318-319.
4. Wijman CAC, Wolf PA, Kase CS, Kelly-Hayes M, Beiser A. Migrainous visual phenomena are not rare in late-life. The Framingham Study. Stroke 1998; 29:1539-1543.
5. Wijman CAC, Babikian VL, Pochay VE, Winter MR. Distribution of cerebral microembolism in the middle and anterior cerebral arteries. Acta Neurol Scand 2000; 101:122-127.
6. Wijman CAC, 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; 11:317-23.
7. Babikian VLB, Wijman CAC, Koleini B, Malik SN, Goyal N, Matjucha ICA. Retinal ischemia and embolism. Etiologies and outcomes based on a prospective study. Cerebrovasc Dis. 2001; 12:108-13.
8. Mouradian M, Wijman CAC, Thomasian D, Davidoff R, Koleini B, Babikian VL. Echocardiographic findings of patients with retinal ischemia or embolism. Journal of Neuroimaging 2002; 12:219-23.
9. Babikian VL, Wijman CA. Brain embolism monitoring with transcranial Doppler. Curr Treat Options Cardiovasc Med 2003; 5:221-232.
10. Wijman CAC. Editorial comment - Can we predict massive space-occupying edema in large hemispheric infarctions? Stroke 2003; 34:1899-1900.
11. Wijman CAC, Gomes JA, MD, Winter MR, Koleini B, MD, Matjucha ICA, Pochay VE, Babikian VL. Symptomatic and asymptomatic retinal embolism have different mechanisms. Stroke 2004; 35:e100-e102.
12. 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; 352:777-85.
13. Oyelese AA, Steinberg GK, Huhn SL, Wijman CAC. Delayed Paradoxical Cerebral Herniation Following Lumbar Puncture After Decompressive Craniectomy for Right Hemispheric Stroke: A Case Report. Neurosurgery. 2005; 57:E594
14. Finley-Caulfield A, Lansberg MG, Marks MP, Albers GW, Wijman CAC. MRI characteristics of cerebral air embolism from a venous source. Neurology 2006; 66:945-46.
15. Mayer SA, Brun NC, Broderick J, Davis SM, Diringer 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; 4:206-14.
16. Wijman CAC, Venkatasubramanian C. The effect of blood pressure on hematoma and perihematomal area in acute intracerebral hemorrhage. Neurosurg Clin N Am 2006; 17 (Supp1):11-24.
17. O'Donnell MJ, Valens NL, Lansberg MG, Wijman CAC. Thyroid replacement therapy is a risk factor for atrial fibrillation in stroke patients. Neurology 2006; 67:1714-5.
18. Fields JD, Lansberg MG, Skirboll SL, Kurien PA, Wijman CAC. Paradoxical herniation in the presence of a large skull defect. Neurology 2006; 67:1513-4.
19. Albers GW, Thijs VN, Wechsler L, Kemp S, Schlaug G, Skalabrin E, Bammer R, Kakuda W, Lansberg M, Shuaib A, Coplin W, Hamilton S, Moseley M, Marks MP, for the DEFUSE investigators. MRI profiles predict clinical response to early reperfusion: the DEFUSE study. Ann Neurology 2006; 60:508-17.
20. Finley Caulfield A, Wijman CAC. Critical care of acute ischemic stroke. Crit Care Clin 2006; 22:581-606.
21. Lansberg MG, Albers GW, Wijman CAC. Symptomatic intracerebral hemorrhage following thrombolytic therapy for acute stroke: A review of the risk factors. Cerebrovasc Dis 2007; 24:1-10.
22. 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.

23. 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.
24. 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.
25. 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.
26. Mayer SA, Brun NC, Begtrup K, Broderick J, Davis S, Diringer 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.
27. Finley Caulfield A, Wijman CAC. Management of acute ischemic stroke. Neurol Clin 2008; 26:345-371.
28. Singer OC, Berkefeld J, Lorenz MW, Fiehler J, Albers GW, Lansberg MG, Kastrup A, Rovira A, Liebeskind DS, Gass A, Rosso C, Derex L, Kim JS, Neumann-Haefelin T; MR Stroke Study Group Investigators. Risk of symptomatic intracerebral hemorrhage in patients treated with intra-arterial thrombolysis. Cerebrovasc Dis. 2009;27:368-74.
29. 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.
30. Wijman CAC, Mlynash M, Finley Caulfield A, Hsia AW, Eyngorn I, Bammer R, Fischbein N, Albers GW, Moseley M. Prognostic Value of Brain Diffusion Weighted Imaging After Cardiac Arrest. Ann Neurology 2009: in print

C. Research Support

2RO1 NS034866-08 Wijman (PI) 05/01/06 - 04/30/11
NIH
Diagnostic Utility of MRI in Intracerebral Hemorrhage
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

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 tests in predicting outcome in these patients.

NS39526 Powers (PI) 09/1/03 – 04/30/10
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

R01 NS046309-03 Hanley (PI) 03/01/07 – 02/28/10
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

Completed Research Support

FD-R-001693 Hanley (PI) 09/15/03 – 9/14/08
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

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

AHA 043275N Wijman (PI) 01/01/04 – 12/31/07
AHA Scientist Development Grant
Prognosis of Anoxic Coma by MRI and Serum Markers for Cerebral Injury
This 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.
Role: PI

PDL BioPharma/ESP Pharma Wijman (PI) 09/1/04 – 08/31/07
MRI for evaluation of perihematomal 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.
Role: PI

Novo Nordisk Pharmaceuticals Mayer (PI) 09/01/05 – 07/31/07
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
Role: Local PI