

CURRICULUM VITAE

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PRIVATE INFORMATION

- Date of birth: March 19, 1951
- Place of birth: Pfullendorf, Germany
- Martial status: Married
- Citizenship: German

SCHOOL EDUCATION

1956 – 1960	Primary school Pfullendorf
1960 – 1969	High school Pfullendorf, Gymnasium Stockach

MILITARY SERVICE

1969-1970	Mountain Division, Red Cross Unit, German Army
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GRADUATE TRAINING

1970-1975	Medicine: Medical School Albrecht-Ludwigs-Universität in Freiburg
1972-1975	Psychology, Faculty of Philosophy, Albrecht Ludwigs University Freiburg

GRADUATION

1975	MD, University Freiburg
1982	PhD (Habilitation) University of Tuebingen

CERTIFICATION AND LICENSURE

1975	Medical license, Germany
1975	ECFMG examination
1981	Board certification in Neurology
1995	Board certification in Intensive Care Medicine
1996	Board certification in Physical Therapy
2003	Board certification in Pain Therapy

POSTGRADUATE TRAINING

1976	Internship: Departments of Internal Medicine, Surgery, and Neurology at the University of Freiburg
1977 - 1978	Resident at the Department of Neurology, University of Freiburg (Chairman: Prof. Dr. R. Jung)
1978-1980	Resident, fellow, Associate Professor: Department of Neurology, University of Tuebingen (Chairman: Prof. Dr. Johannes Dichgans)
1982-1989	Resident, Department of Psychiatry, University Tuebingen
1980	Associate Professor of Neurology, Deputy Chairman of the Department of Neurology, University of Tuebingen
1983-1989	Consultant Neurologist: Intensive Care Units of Internal Medicine, Surgery, and Traumatology
1989 - present	Professor of Neurology and Chairman, Department of Neurology, University of Essen, Germany
1997 – 2012	Co-chairman of the Department for Neurological Rehabilitation ("NETZ")
1995-present	Co-chairman of the Pain and Headache Clinic, University Hospital Essen
2005-present	Chairman of the West-German Headache Center
2010-present	Chairman of the Essen Center for Vertigo and Dizziness

ACADEMIC APPOINTMENTS

1994-1996	Dean of the Faculty of Medicine, University Essen
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SABBATICALS

1985-1986	Visiting Professor at the Neurological Sciences Institute, Portland, Oregon, USA (Dr. L. M. Nashner, Dr Fay Horak), Department of Neurology (Prof. O. Marin), and Department of Neuro-otology (Dr. O. Black)
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1987-1988 Visiting Professor at the Department of Neurology (Prof. J Lance) and the Department of Clinical Neurophysiology (Prof. D. Burke), Prince Henry Hospital, University of New South Wales, Sydney, Australia

SCIENTIFIC INTERESTS

Psychophysiology

- 1973 - 1975 Training in basic neurophysiology, neuropsychology, and psychophysics in the research group of Prof. J. Dichgans and Prof. Th. Brandt, Department of Neurology in Freiburg. Collaboration with Prof. E. Wist (Department of Psychology, Franklin and Marshall College, Lancaster, Pennsylvania, USA)
Topics: Visual perception, motion perception, visual-vestibular interaction
- 1976 MD Thesis: "The effect of spatial frequency on motion perception"

Cerebrovascular diseases

- Doppler findings in cerebral angiomas
- Risk factors for extracranial vascular stenosis
- Field study on the incidence of asymptomatic carotid stenosis in a normal population
- Follow-up study in patients with carotid stenosis and occlusions
- Duplex scanning of the carotid arteries
- Ophthalmological diseases in extracranial vascular disorders
- Neuropsychological investigation prior and after endarterectomy
- Transcranial Doppler
- Follow-up study in subclavian steal syndrome
- 3D Duplexsonography
- Impact of an acute stroke unit on stroke outcome
- German Stroke Data Bank
- Cortical reorganisation following stroke
- Secondary stroke prevention
- Stroke prevention in AF

Visual evoked potentials

- Methods and stimulus parameters

- Use in the diagnosis of multiple sclerosis
- Follow-up study of optic neuritis with and without cortison treatment
- VEP changes in migraine

Motor system

- Physiology of upright human stance, role of visual, vestibular, and somatosensory inputs, postural reflexes
- Quantification of ataxia of stance (posturography)
- Alcoholic cerebellar damage
- Paraneoplastic cerebellar degeneration
- Follow-up studies in patients with cerebellar atrophy, olivo-ponto-cerebellar atrophy, and Friedreich's ataxia
- Use of long loop reflexes to identify lesions in the motor pathways
- Mechanical evoked potentials
- Motor preparation in normal subjects and patients with Parkinson's disease and cerebellar lesions
- Isometric force control in cerebellar disorders
- 24 h continuous tremor recording system
- Motor learning in Parkinson's disease
- Limb movements in cerebellar disorders
- Perception of timing in cerebellar disorders
- PET studies in motor learning and conditioning

Headache

- Drug induced headache, mechanisms and therapy
- Epidemiology of chronic headache
- Human models to test the mode of action of antimigraine drugs
- Prophylactic action of betablockers and calcium channel antagonists in migraine
- Correlation of plasma levels of prophylactic agents and clinical efficiency
- Follow-up study of visual evoked potentials in the prophylactic treatment of migraine
- Action of migraine drugs
- PET studies during migraine attacks
- Animal models for migraine (human cerebral vessels, neurogenic inflammation, microinjection of drugs into the nucleus caudalis of the rat)

SCIENTIFIC SOCIETIES

2003-2004	President German Neurological Society
2005-2007	President European Headache Federation
2010-2012	President International Headache Society

2000-2005	Executive Committee Member European Neurological Society
2006-2010	Executive Committee Member European Federation of Neurological Sciences

MEMBERSHIPS

- American Academy of Neurology
- European Headache Federation (President 2007-2009)
- European Neurological Society (ENS Advisory Board)
- European Stroke Council
- German EEG Society
- German Neurological Society (President 2003-2004)
- German Society for Ultrasound in Medicine
- German Society for Neurological Intensive Care
- Headache Research Group of the WFN
- Neurosonology Research Group, World Federation of Neurology
- Movement Disorders Society
- Ataxia Research Group, World Federation of Neurology
- German Migraine Society
- International Headache Society (President 2010-2012, Committee on drug trial design, Committee on publications, Research committee)
- Stroke Council of the American Heart Association
- World Federation of Neurology (Finance committee)

AD HOC REVIEWS FOR

- Anaesthesia & Analgesia
- Annals of Neurology
- Archives of Internal Medicine
- Archives of Medical Research
- Brain
- Brain Research
- Behavioral and Brain Sciences
- Canadian Medical Association Journal
- Cerebrovascular Diseases
- Circulation
- Clinical Drug Investigation
- Clinical Neurophysiology

- Clinical Therapeutics
- Clinical Vision Sciences
- Current Opinion in Neurology
- Deutsche Medizinische Wochenschrift
- Der Nervenarzt
- Drugs
- Electroencephalography and Clinical Neurophysiology
- Experimental Brain Research
- Expert Opinion on Investigational Drugs
- Expert Review of Neurotherapeutics
- Europ. Archives of Psychiatry and Neurological Sciences
- European Heart Journal
- European Journal of Clinical Investigation
- Fortschritte der Ophthalmologie
- Headache
- HNO
- JAMA
- J Anatomy
- J Motor Behavior
- J Neuroimaging
- J Neurological Sciences
- J Neurology
- J Neurophysiology
- J Neurol Neurosurg Psychiatry
- J Neuroscience
- J Physiology
- J Vestibular Research
- Lancet
- Lancet Neurology
- Nature Clinical Practice Cardiovascular Medicine
- Nature Medicine
- Neurology
- Neuro-Ophthalmology
- Neuropediatrics
- Neuroscience
- Neuroscience Letters
- New England Journal of Medicine
- Pain
- Perceptual and Motor Skills
- Pharmacogenetics
- Psychological Reports
- Scandinavian Journal of Neurology
- Stroke

- Schmerz
- Röntgenforschung
- The American Journal of Medicine
- Trends in Pharmacological Sciences (TiPS)

EDITORIAL BOARD MEMBER

- Aktuelle Neurologie (1994-) Editor
- Arzneimitteltherapie (1992-) Editor
- International Journal of Clinical Practice (1996-)
- Cephalalgia (1993-2003; Associate Editor since 2006)
- Cerebrovascular Diseases (2003-)
- Clinical Investigation (since 2011)
- European Journal of Neurology (until 1998)
- European Neurology (1998-2009)
- Future Neurology (2006-)
- Headache (Deputy Editor 2006-2009)
- Headache Currents (2004-2010)
- International Stroke Journal
- Journal of Neurology (1990-1999)
- Journal of Neurology, Neurosurgery and Psychiatry (2004-2010)
- J Motor Behavior (until 1997)
- Lancet Neurology (2003-)
- Medizinische Klinik
- Posture and Gait (1990-1996)
- Psychopharmakologie (1995-)
- Reviews in Contemporary Pharmacotherapy (1994-)
- Stroke (2003-2007)
- Stroke Consulting Editor (2013-)
- Therapeutic Advances in Neurological Disorders (2008-)

REVIEWER FOR SCIENTIFIC FUNDING BODIES

- Alexander von Humboldt-Stiftung
- American Heart Association
- Australian Academy of Science
- Bundesgesundheitsamt (BfArM)
- BMBF (Neurotraumatology; neuropsychological rehabilitation)
- Canadian Stroke Network
- Deutsche Forschungsgemeinschaft
- Deutsche Krebshilfe (German Cancer Society)
- Deutsche Schlaganfallstiftung (German Stroke Foundation)
- Fonds zur Förderung der wissenschaftlichen Forschung , Austria
- Hermann und Lilly Schilling Foundation

- Human Frontier Science Program
- MRC UK
- National Institute of Health, Bethesda, USA
- National Science Foundation, Washington USA
- NATO International Scientific Exchange Programmes
- Stifterverband für die Deutsche Wissenschaft
- Swiss National Science Foundation
- Volkswagenstiftung
- Wellcome Trust

AWARDS AND HONORS

- 1975 Award of the Medical Faculty, University Freiburg for the best MD thesis
- 1998 Migraine Trust Lecture, London
- 2001 Honorary member of the Austrian Stroke Society
- 2004 EHF Lecture, Rotterdam
- 2005 IHS Lecture, Kyoto
- 2005 Seymour Diamond Lectureship Award, National Headache Foundation, USA
- 2005 Seymour Solomon Award, American Headache Society
- 2005 Honorary member of the Hungarian Stroke Society
- 2006 Honorary member of the Italian Headache Society (SISC)
- 2007 International Aspirin Award
- 2010 Max Nonne Award of the German Neurological Society
- 2011 Honorary Life Membership: International Headache Society
- 2013 Wepfer Award of the European Stroke Society
- 2013 Honorary Membership of the German Migraine and headache Society

RESEARCH GRANTS

1982-present	Multiple grants from the German Research Council (DFG)
1985-1990	Member of the Research Group: Neurobiological Aspects of Behaviour
1991	BMFT program: Expert systems in clinical medicine
1991-present	Motor research supported by the German Research Council
1994-2007	National Stroke Databank supported by the German Stroke Foundation and the Heinz-Nixdorf Foundation and the BMBF
2002-2008	German Headache Consortium supported by the BMBF (German Ministry for Science and Technology)

Research at the Department of Neurology, University Essen

- 3-D automatic reconstruction of plaques in the carotid artery
- Morphology of carotid stenosis, pathology versus Duplex sonography.
- Influence of cholesterol-lowering drugs on the progression of plaques in the carotid arteries
- PET-studies on functional recovery after stroke
- Mechanisms of recovery after stroke
- Clinical characteristics of Binswangers disease
- Treatment of acute stroke
- Multicenter study on thrombolysis in stroke
- Neuroimmunological investigations in myositis
- Function of the blood-brain barrier in experimental meningitis
- Autonomic dysfunction in diabetic polyneuropathy
- Multicenter prospective study: use of immunoglobulins, plasmapheresis and immun-adsorption in acute GBS
- Neurophysiological parameters predictive for the development of dementia in HIV
- Wiplash-injury, psychological performance and exteroceptive reflexes
- Therapy of restless legs
- Prospective study of neurological consequences of bone marrow transplantation
- Animal models of headache
- Epidemiology of headache
- Treatment of trigemino-vascular headaches
- Role of mitochondrial energy metabolism in migraine
- Genetic studies in migraine
- Disturbances of time-dependent perception in cerebellar lesions
- Role of the cerebellum in motor learning

PUBLICATIONS:

Publications in peer reviewed journals	772
As first author	161
Invited reviews in peer reviewed journals	252
Other publications	250
Book chapters	326
Books (author or editor)	74
h-Index = 83	

Principal Investigator or Member of Steering Committee

1.) Stroke: primary and secondary prevention studies

Trial Name	Purpose of the Study
CASANOVA	German Asymptomatic Carotid Stenosis Operative Versus Medical Treatment Study
ACAS (Advisory Board)	American Asymptomatic Carotid Arteriosclerosis Study
ESPS2	European Stroke Prevention Study II
PROSPER	Pravastatin in the elderly at risk
CAPRIE	Clopidogrel for prevention of vascular events
SPORTIF III	Tolerability and safety of the oral thrombin inhibitor H376/95 compared to warfarin as stroke prophylaxis in patients with atrial fibrillation.
BRAVO	Blockade of the GP IIB/IIIa receptor to avoid vascular occlusion
SPARCL	Use of atorvastatin for prevention of vascular events in patients with TIA or stroke
MATCH	Clopidogrel plus aspirin versus clopidogrel in the secondary prevention of stroke in patients with TIA and stroke and high vascular risk
MOSES	Morbidity and mortality after stroke, eprosartan compared with nitrendipine for secondary prevention: principal results of a prospective randomized controlled study (MOSES)
CHARISMA	Clopidogrel added to aspirin alone in secondary prevention and high-risk primary prevention. Rationale and design of the Clopidogrel for High Atherothrombotic Risk and Ischemic Stabilization, Management, and Avoidance (CHARISMA) trial
PRoFESS	Randomized, double-blind, controlled trial comparing two antithrombotic regimens (fixed-dose combination of extended-release dipyridamole plus ASA with clopidogrel) and telmisartan versus placebo in patients with strokes: The prevention regimen for effectively avoiding second strokes trial (PRoFESS)
RELY	Dabigatran compared to Warfarin for Patients with AF
PERFORM	Terutroban for the prevention of vascular events
SPACE	SPACE trial of stent-protected angioplasty versus carotid endarterectomy in symptomatic patients
AVERROES	Apixaban versus aspirin in patients with Atrial fibrillation
CRYSTAL-AF	Implantable event recorder in patients with cryptogenic stroke
CABACS	Coronary Artery Bypass graft surgery in patients with Asymptomatic Carotid Stenosis A Randomized Controlled Clinical Trial
GLORIA-AF	GLORIA- AF: Global Registry on Long-Term Oral Anti-thrombotic TRreatment In PAtients with Atrial Fibrillation

2.) Acute stroke trials:

Trial Name Substance	Purpose of the Study
Flunarizine,	Flunarizine for the treatment of acute ischaemic stroke
Lubeluzole LUB-INT 3, LUB-INT7, LUB-INT 13	Use of Lubeluzole for the treatment of acute stroke: Placebo-controlled trials
Selfotel,	Selfotel, an NMDA antagonist in the treatment of stroke
Ancrod (ESTAT)	Multicentre double-blind trial of Ancrod in acute ischaemic stroke
ZM200077	Double-blind trial of ZM200077 an AMPA antagonist in acute ischaemic stroke
GLYB3001 GAIN Inter-national	International randomised trial of GV 150 526 in acute stroke
ECASS 1	Thrombolysis in acute ischaemic stroke
TOPAS,	Certoparin in acute ischaemic stroke
CARES	Local thrombolysis with rt-PA in acute MCA occlusion
ASTIN Pfizer 256-301	Multicentre, multinational, study to investigate the safety, tolerability, pharmacokinetics and pharmacodynamics of UK 279,276 in patients with acute stroke.
C0116T30 ReoPro	Abciximab in acute ischaemic stroke: a randomised, double-blind, placebo-controlled phase II study
Wyeth	Trafermin (Fiblast) in acute stroke studyl
ACCESS	Acute Candesartan Cilexetil evaluation in stroke survivors
SA-IBX-0001, Astra Zeneca	Randomised, double-blind, placebo-controlled trial to investigate the safety, tolerability and efficacy of i.v. AR-R 15896 in patients with acute ischaemic stroke
PROTECT	Prophylaxis of thrombotic and embolic events in acute ischemic stroke with the low-molecular-weight heparin certoparin: results of the PROTECT Trial
DP-b99	DP-b99 for the treatment of acute ischemic stroke
EPO	EPO in the treatment of acute stroke
EARLY	Early treatment with aspirin plus extended-release dipyridamole for transient ischaemic attack or ischaemic stroke within 24 h of symptom onset (EARLY trial): a randomised, open-label, blinded-endpoint trial
IMPACT-24	Stimulation of sphenopalatine ganglion in stroke
SWIFT-PRIME	Solitaire versus rt-PA in patients with acute ischemic stroke
SENTIS	Safety and Efficacy of NeuroFlo Technology in Ischemic Stroke (SENTIS)
MACSI	The Membrane-Activated Chelator Stroke Intervention (MACSI) Trial of DP-b99 in acute ischemic stroke: a randomized, double-blind, placebo-controlled, multi-national pivotal phase III study

3.) Headache: Treatment of acute headache attacks:

Trial Name (Substance)	Purpose of the Study
ASASUMAMIG	Treatment of acute migraine attacks with i.v. aspirin versus s.c. sumatriptan and placebo, a randomized, double blind trial
Sumatriptan	multiple phase II and III studies with oral, s.c., nasal spray application
Zolmitriptan	multiple phase II and III studies with oral, nasal spray application
Almotriptan	multiple phase II and III studies with oral application
Naratriptan	multiple phase II and III studies with oral application
Rizatriptan	multiple phase II and III studies with oral application
Eletriptan	multiple phase II and III studies with oral application
Alniditan	multiple phase II and III studies with i.v., s.c., nasal spray, comparator studies with sumatriptan
BIBN 4096 BS	Dose finding study of BIBN 4096, a CGRP antagonist for the treatment of migraine
PRP100893	PRP100893 for the treatment of migraine attacks
Aspirin (EMSASI)	Multiple migraine trials
Diclofenac	Diclofenac for the treatment of migraine attacks
Lasmiditan	Double-blind randomized, placebo-controlled of oral COL-144 in the acute treatment of migraine

2.) Prophylaxis and treatment of migraine, tension-type headache, MOH or TACS

Trial Name	Purpose of the Study
	Aspirin versus metoprolol
	Flunarizine versus propranolol
	Cyclandelate versus metoprolol
Botox in TTH	Botox versus placebo in chronic tension-type headache
SB TAN13	Feverview versus placebo in the prevention of migraine
	Amitriptyline versus placebo in the treatment of TTH
GERAC	Acupuncture for the prophylaxis of migraine
	Feverview in migraine prophylaxis
MIGR-003	Topiramate for migraine prophylaxis
TOP-CHROME	Topiramate in chronic migraine
PROMPT	Cessation of migraine prophylaxis with topiramate after 6 months
TELMI-Migraine	Telmisartan for migraine prophylaxis
PREEMPT	Botulinumtoxin for the treatment of chronic migraine
Pred-CLUST	Prednisone for the treatment of cluster headache: placebo-

	controlled randomized study
	Botulinumtoxin in trigeminal neuralgia
Electrocore	A prospective, randomized controlled study comparing GammaCore and [<i>Standard of Care/new sham</i>] for the prophylactic treatment of chronic migraine
MIGRAVENT	Migravent in the prophylaxis of migraine: a double-blind, placebo controlled multicentre trial

Chairman or Member of Data and Safety Monitoring Board (DSMB)

ARISTOTLE	Apixaban versus warfarin in patients with atrial fibrillation
EARLY-STIM	The Effect of Deep Brain Stimulation of the Subthalamic Nucleus (STN-DBS) on Quality of Life in Comparison to Best Medical Treatment in Patients with Complicated Parkinson's Disease and Preserved Psychosocial Competence (EARLYSTIM-study)
EPO-Stroke Trial	Recombinant Human Erythropoietin in the Treatment of Acute Ischemic Stroke
START	A 1-week, open-label, multi-center study to explore conduction abnormalities during first dose administration of fingolimod in patients with relapsing-remitting multiple sclerosis (START)
InterStroke	Importance of Conventional and Emerging Risk Factors for Stroke in Different Regions of the World and in Different Ethnic Groups: A case-control study
RED-CABAG	Reduction in Cardiovascular Events by AcaDesine in Patients Undergoing CABG)

Chairman or Member of Adjudication Committee

AVERROES	Apixaban versus aspirin in patients with atrial fibrillation unsuitable for warfarin
RE-LY	Dabigatran compared to Warfarin for Patients with AF
EAST	Early treatment of Atrial fibrillation for Stroke prevention Trial (EAST)
PALLAS	A randomized, double blind, placebo controlled, parallel group trial for assessing the clinical benefit of Dronedarone 400 mg BID on top of standard therapy in patients with permanent atrial fibrillation and additional risk factors Permanent Atrial fibrillation outcome Study using Dronedarone on top of standard therapy (PALLAS)
Sarilimab	Sarilimab in rheumatoid arthritis
Revacept	Revacept in patients undergoing carotid surgery

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Most important publications:

Davis S, Albers GW, Diener HC, Lees KR, Norris J (1997) Termination of acute stroke studies involving selfotel treatment. **Lancet** 349:32

Limmroth V, Kazarawa Z, Fritsche G, Diener HC (1999) Headache after frequent use of serotonin agonists zolmitriptan and naratriptan (research letter). **Lancet** 353:378

Lees KR, Asplund K, Carolei A, Davis SM, Diener HC, Kaste M, Orgogozo J-M, Whitehead J for the GAIN International Investigators. Glycine antagonist (gavestinel) in neuroprotection (GAIN International) in patients with acute stroke: a randomized controlled trial **Lancet** 2000; 355:1949-1954

James Shepherd, Gerard J Blauw, Michael B Murphy, Edward L E M Bollen, Brendan M Buckley, Stuart M Cobbe, Ian Ford, Allan Gaw, Michael Hyland, J Wouter Jukema, Adriaan M Kamper, Peter W Macfarlane, A Edo Meinders, John Norrie, Chris J Packard, Ivan J Perry, David J Stott, Brian J Sweeney, Cillian Twomey, Rudi G J Westendorp, on behalf of the PROSPER Study Group (Diener HC). Pravastatin in elderly individuals at risk of vascular disease. (PROSPER): a randomised controlled trial. **Lancet** 2002;360:1623-1630

Executive Steering Committee (Diener HC) on behalf of the SPORTIF III Investigators. Stroke prevention with the oral direct thrombin inhibitor ximelagatran compared with warfarin in patients with non-valvular atrial fibrillation (SPORTIF III): randomised controlled trial. **Lancet** 2003;362:1691-1698.

Weiller C, May A, Limmroth V, Jüptner M, Kaube H, van Schayck R, Coenen HH, Diener HC (1995) Brain stem activation in spontaneous human migraine attacks. **Nature Medicine** 1:658-660

Rijntjes M, Tegenthoff M, Liepert J, Leonhardt G, Kotterba S, Müller S, Kiebel S, Malin J-P, Diener HC, Weiller C (1997) Cortical reorganisation in patients with facial palsy. **Ann Neurol** 41:621-630

Nelles G, Spiekermann G, Jueptner M, Leonhardt G, Müller S, Gerhard H, Diener HC. Evolution of functional reorganisation in hemiplegic stroke: a serial positron emission tomography activation study. **Ann Neurol** 1999;46:901-909

Roon KI, Olesen J, Diener HC, Ellis P, Hettiarachchi, Poole PH, Christiansen I, Kleinermans D, Kok JG, Ferrari MD. No acute antimigraine efficacy of CP-122,288, a highly potent inhibitor of neurogenic inflammation: results of two randomized, double-blind, placebo-controlled clinical trials. **Ann Neurol** 2000;47:238-241

Diener HC, Scholz E, Gerber WD, Jäck A, Bille A, Niederberger U (1989) Central effects of drug used in migraine prophylaxis evaluated by visual evoked potentials. **Ann Neurol** 25:125-130

- Topol EJ, Easton D, Harrington RA, Amarenco P, Califf RM, Graffagnino C, Davis S, Diener HC, Ferguson J, Fitzgerald D, Granett J, Shuaib A, Koudstaal PJ, Theroux P, Van de Werf F, Sigmon K, Pieper K, Vallee M, Willerson JT for the Blockade of the Glycoprotein IIb/IIIa Receptor to Avoid Vascular Occlusion Trial Investigators. Randomized, double-blind, placebo-controlled, international trial of the oral IIb/IIIa antagonist lotrafiban in coronary and cerebrovascular disease. **Circulation**. 2003;108:399-406.
- Olesen J, Diener HC, Husstedt IW, Goadsby PJ, Hall D, Meier U, Pollentier S, Lesko LM; BIBN 4096 BS Clinical Proof of Concept Study Group. Calcitonin gene-related peptide receptor antagonist BIBN 4096 BS for the acute treatment of migraine. **N Engl J Med**. 2004;350:1104-10.
- Diener H, Bogousslavsky J, Brass L, Cimminiello C, Csiba L, Kaste M, Leys D, Matias-Guiu J, Rupprecht H-J, on behalf of the MATCH Investigators. Acetylsalicylic acid on a background of clopidogrel in high-risk patients randomised after recent ischaemic stroke or transient ischaemic attack: The MATCH trial results. **Lancet** 2004;364:331-334.
- Diener HC, Limmroth V. Medication-overuse headache: a worldwide problem. **Lancet Neurology** 2004;3:475-483
- Albers, GW, Diener HC, Frison L, Grind M, Nevinson M, Partridge S, Halperin JL, Horrow J, Olsson SB, Petersen P, Vahanian A; SPORTIF Executive Steering Committee for the SPORTIF V Investigators. Ximelagatran vs warfarin for stroke prevention in patients with nonvalvular atrial fibrillation. **JAMA** 2005;293:690-698
- Lees KR, Zivin JA, Ashwood T, Davalos A, Davis SM, Diener HC, Grotta J, Lyden P, Shuaib A, Hardemark H-G, Wasiewski WW for the Stroke-Acute Ischemic NXY Treatment (SAINT I) Trial Investigators. NXY-059 for acute ischemic stroke. **N Engl J Med** 2006;354:588-600
- Diener HC, Kronfeld K, Boewing G, Lungenhausen M, Maier C, Molsberger A, Tegenthoff M, Trampisch H-J, Zenz M, Meinert R for the GERAC Migraine Study Group. Efficacy of acupuncture for the prophylaxis of migraine: a multicentre randomised controlled clinical trial. **Lancet Neurology** 2006;5:310-316
- Kurth T, Gaziano JM, Cook NR, Logroscino G, Diener HC, Buring JE. Migraine and risk of cardiovascular disease in women. **JAMA** 2006;296:283-291
- Bhatt DL, Fox KA, Hacke W, Berger PB, Black HR, Boden WE, Cacoub P, Cohen EA, Creager MA, Easton JD, Flather MD, Haffner SM, Hamm CW, Hankey GJ, Johnston, SC, Mak KH, Mas JL, Montalescot G, Pearson TA, Steg PG, Steinhubl SR, Weber MA, Brennan DM, Fabry-Ribaud L, Booth J, Topol EJ for the CHARISMA Investigators (Diener HC). Clopidogrel and aspirin versus aspirin alone for the prevention of atherothrombotic events. **N Engl J Med**. 2006;354(16):1706-1717

- Shuaib A, Lees KR, Lyden P, Grotta J, Davalos A, Davis S, Diener HC, Ashwood T, Wasiewski W, Emeribe U, for the SAINT II Trial Investigators. NXY for the treatment of acute stroke: **N Engl J Med** 2007;357:562-571
- Diener HC, Agosti R, Allais G, Bergmans P, Bussone G, Davies B, Ertas M, Lanteri-Minet M, Reuter U, Sanchetz del Rios M, Schoenen J, van Oene J, for the TOP-MATMIG-303-Investigators Group. Cessation versus continuation of 6-month migraine preventive therapy with topiramate (PROMPT): a randomised, double-blind, placebo-controlled trial. **Lancet Neurology** 2007;6(12)1054-1062 (IF 9,47)
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