

Jürgen Lüders, M.D.

EMPLOYMENT:

Saint Mary's Mercy Health

Neurosurgeon with specialty in complex spine, epilepsy surgery and brain tumors.

PROFESSIONAL AFFILIATIONS:

St. Mary's Mercy Health

Chief of Neurosurgery

Mercy Health Physician Partners

Board Member/Chairman of Board

Mercy Health Physician Partners

Finance Committee Chairman

Michigan State University College of Medicine

Clinical Assistant Professor in Department of Surgery

Saint Mary's Foundation

Board of Trustee's Member

EDUCATION:

Board Certified Neurosurgery

January 2012

Cleveland Clinic Foundation, Neurosurgical Resident

Cleveland, Ohio

1998-2003

Chief Resident 2003-2004

The University of Chicago, Pritzker School of Medicine

Chicago, Illinois

M.D., June 1998

Royal School of Surgeons, in Ireland

Dublin, Ireland

Sept. 1992-June 1995

Washington University

St Louis, Missouri

B.A., Biology, May 1992

HONORS/AWARDS:

Cleveland Clinic Foundation intramural grant for "Cellular Mechanisms of Blood Induced Epileptogenicity in an

Animal Model of Seizures and in Patients with Cavernous Angiomas," \$18,275, 2002.

Cleveland Clinic Neuroscience Research Day, Third Prize, Junior level, \$250, 1999.

Calvin Fentress Research Fellowship Award, \$1,000, 1997/1998.

Student Scholarship in Cerebrovascular Disease, Stroke Council of the American Heart Association, \$2,000, Preceptor R. Loch MacDonald, 1997.

Intramural Summer Research Fellowship Award, National Institutes of Health, 1994 and 1995.

Exceptional Summer Student Award, National Institutes of Health, 1995.

COMMENTS:

Lüders HO. **Lüders J.** Comment: Hoh BL. Chapman PH. Loeffler JS. Carter BS. Ogilvy CS. Results after multimodality Treatment in 141 brain AVM patients with seizures: Factor associated with seizures incidence and seizure outcome: *Neurosurgery*, August, 2002.

Lüders HO. **Lüders J.** Comment: Byrne JV. Boardman P. Ioannidis I. Adcock J. Traill Z. Seizures after aneurismal subarachnoid hemorrhage treated by coil embolization: *Neurosurgery*, March, 2003.

PATENTS:

Electrical overdriving of the epileptogenic zone for the treatment of epilepsy and application thereof. Patent Application Number 20050049649.

Fornix stimulator for electrical overdriving of the hippocampus, Endoscopically guided placement of fornix stimulator, and application thereof. Patent Application Number 20050049649.

Application of stimulus to white matter to induce a desired physiological response. Patent application number 20050010261.

EXAMS:

Step I Medical Boards, Passed
Step II Medical Boards, Passed
Step III Medical Boards, Passed
American Board of Neurosurgical Surgeons Written Exam, Passed
American Board of Neurosurgical Surgeons Oral Exam, Passed

**EXTRA-CURRICULAR
ACTIVITIES:**

University of Chicago, Pritzker School of Medicine Admissions Interviewing, Oct.-Dec. 1997

Epilepsy Delegation-Citizen Ambassador Program to Beijing, China And Ulaanbaatar, Mongolia

Assistant to the Delegation Leader, Sept. 9-21, 1996
-Assisted a delegation of physicians from around the world gathering in Beijing and Ulaanbaatar visiting neurological and neurosurgical institutes to explore new approaches in the treatment of epilepsy.

INTERESTS: Golf, skiing and tennis

COURSES: Cleveland Spine Review-Hands on course-Director: Ed Benzel
Resident instructor, May 2001, May 2002.

Techniques of Epilepsy Surgery- Director: William Bingman
August 2002.

PUBLICATIONS:

Chapters:

Lüders J. Luders HO.
Contributions of F. Krause and O. Foerster to Epilepsy Surgery, Epilepsy Surgery. Second Edition, Editors Luders HO and Comair Y, Lippencott-Raven Press, 1998

Hadar E. **Lüders J.** Luders HO.
General and Historical Considerations of Epilepsy Surgery. Youmans Neurological Surgery, Fifth Edition, Editor Winn HR, W.B. Saunders, 2004.

Steinmetz M. **Lüders J.** Benzel E.
Magnetoencephalography, Neurosurgery, Third Edition. Editors Rengachary SS, Maciunas RJ, and Wilkins RH, McGraw-Hill, 2006.

Lüders J. Najim I. Luders HO.
Brain Stimulation and Epilepsy: Basic Overview and Novel Approaches, Deep Brain Stimulation and Epilepsy, Editor Luders HO
London: Martin Duntiz, LTD, 2004.

Lüders H. **Lüders J** to. Contributions of Fedor Krause and Otrid Foerster Epilepsy Surgery, In: Lüders H. Comair Y. Editors Epilepsy Surgery, Second edition. Lippincott Williams and Wilkins, 2001: 23-33.

Articles:

Lüders J. Wehl CC. Lin G Ghadge G. Stoodley M Roos RP. Macdonald RL. Adenoviral gene transfer of nitric oxide synthase increases cerebral blood flow in rats. *Neurosurgery.* 47(5):1206-14; discussion 1214-1215, 2000 Nov.

Wehl C. Macdonald RL. Stoodley M. **Lüders J.** Lin G. Gene therapy for cerebrovascular disease. *Neurosurgery,* 44(2):239-52; discussion 253, 1999 Feb.

Luders HO. **Lüders J.** Letter to the Editor: Source-Notes in the History of Art 16(1): 32-34, 1996.

Kellinghaus, C. Loddenkemper, T. Möddel, G Tergau, F.

Lüders, J. Lüdenmann, P. Nair, D. Lüders, HO. Elektrische Hirstimulation in der Epilepsitherapie (Electrical brain Stimulation in the treatment of epilepsy), *Der Nervenarzt*, 2003.

Chapman K. Wyllie E. Najim I. Ruggieri P. Bingaman W.
Lüders J. Kotagal P. Iachwani D. Dinner D. Lüders H.
Seizure Outcome After Epilepsy Surgery in Patients with Normal Pre-operative MRI, *Journal of Neurology Neurosurgery and Psychiatry with Practical Neurology*, 2004.

Lüders J. Steinmetz M. Mayberg M. Awake craniotomy for microsurgical Obliteration of mycotic aneurysms: technical report of three cases, *Neurosurgery*, 2005.