

Edda Spiekerkoetter, M.D.

A. Training / University

- 1986 - 1988 study of biology, Eberhardt-Karls-University of Tübingen, Germany
1988 - 1991 study of medicine, Eberhardt-Karls-University of Tübingen, Germany
1991 - 1995 study of medicine, Medical School of the Albert-Ludwigs-University in Freiburg, Germany

B. Positions and Employment

Professional activity:

- 1992-1994 Electives in Medicine:
1992 - General medicine, Private Practice, Tucson, Arizona, USA
1993 - Paediatrics and Gynaecology, Mendo Hospital, Kampala, Uganda
1994-5 Obstetrics and Gynaecology, and Internal Medicine, St. Vincentius Hospital, Karlsruhe, Germany
1995 - Surgery, Whittington Hospital, Teaching Hospital of the University College London, England
- 1996 – 1997 House resident: Medical School Hannover, Department of Respiratory Medicine. Supervisor: Prof. Dr. med. H. Fabel
Wards specialized in: Pneumology, Angiology, Endocrinology
Outpatient clinic: Heart-Lung Transplantation
- 1997 - 2002 Clinical Fellow: Medical School Hannover. Supervisor: Prof. Dr. med. H. Fabel
2 years Intensive Care Medicine (Pulmonology, Nephrology, Gastroenterology, Haematology)
2 years clinical and research experience in pulmonary hypertension
- 2002 –pres. Postdoctoral research fellow, Department : Pediatrics/Cardiology, Prof. Dr. M. Rabinovitch, Stanford University Medical School, Stanford, USA

Teaching:

Medical School Hannover:

- 1996-1997 Internal Medicine (at the School of Nursing)
1996-2002 Medical Students: Practice of examination and history taking
2000-2002 Pathophysiology of the lungs; Practical Pneumology
Supervision of medical students working on their doctoral thesis in the field of respiratory medicine, pulmonary hypertension

C. Peer-Reviewed Publications and Reviews

Original Articles:

Henschen M, Frischer T, Pracht T, **Spiekerkötter E**, Karmaus W, Meinert R, Lehnert W, Werle E, Kuehr J. The internal dose of passive smoking at home depends on the size of the dwelling. Environ Res. 1997 Jan; 72(1): 65-71.

Spiekerkoetter E, Krug N, Hoyer M, Wiebe K, Hamm M, Harringer W, Haverich A, Fabel H. Prevalence of malignancies after lung transplantation. *Transplant Proc.* 1998 Jun; 30(4):1523-4.

Hoffmeyer F, Hoyer MM, **Spiekerkoetter E**, Harringer W, Haverich A, Fabel H, Niedermeyer J. Azathioprine withdrawal in stable lung and heart/lung recipients receiving cyclosporine-based immunosuppression. *Transplantation.* 2000 Aug 15; 70(3): 522-5.

Hoyer MM, Schwarze M, Ehlerding S, Adler-Schuermeyer A, **Spiekerkoetter E**, Niedermeyer J, Hamm M, Fabel H. Long-term treatment of primary pulmonary hypertension with aerosolized iloprost, a prostacyclin analogue. *N Engl J Med.* 2000 Jun 22; 342(25): 1866-77.

Hoyer MM, **Spiekerkoetter E**, Fabel H. Aerosolized iloprost for Primary Pulmonary Hypertension. Letter to the editor. *N.Engl J. Med.* 2000 Nov 9; 343 (19): 1421-1422.

Hoyer MM, Schwarze M, Ehlerding S, Adler-Schuermeyer A, **Spiekerkoetter E**, Niedermeyer J, Hamm M, Fabel H. Long-term treatment of primary pulmonary hypertension with inhaled iloprost. *Pneumologie*, 2001 Jan; 55(1):38-43.

Spiekerkoetter Edda, Helmut Fabel, Marius M. Hoyer. Behandlung der schweren pulmonalen Hypertonie. *Deutsches Ärzteblatt*, 2001 Aug; 98(33): 1697-1701.

Hoyer MM, **Spiekerkoetter E**, Westerkamp V, Gatzke R, Fabel H. Intravenous iloprost for treatment failure of aerosolized iloprost in pulmonary arterial hypertension. *Eur Respir J.* 2002 Aug;20(2):339-43.

Spiekerkoetter Edda, Helmut Fabel, Marius M. Hoyer. Effects of inhaled salbutamol in primary pulmonary hypertension. *Eur Resp J.* 2002 Sept;20(3):524-8

E. Spiekerkoetter, M Hoyer. New Therapies in pulmonary arterial hypertension. Estratto da *Minerva Pneumologica* 2002;41 (4):127-136

MM Hoyer, Taha N, Bekjarova R, Gatzke R, **Spiekerkoetter E**. Bosentan treatment in patients with primary pulmonary hypertension receiving nonparental prostanoids. *Eur Respir J* 2003;22:330-334

Abstracts:

J. Niedermeyer, J. Hohlfeld, **E. Spiekerkoetter**, C. Wiebe, W. Harringer, M. Hamm, H. Fabel. Longterm effects of methotrexate in bronchiolitis obliterans following lung and heart-lung transplantation. *Eur Resp J* 1998 ; Suppl Sept.

E. Spiekerkoetter, A. Schulz, M. Klocke, E. Meissner, J. Niedermeyer, H. Fabel, MM Hoyer. Acute effects of aerosolized iloprost in pulmonary hypertension secondary to pulmonary fibrosis. *Eur Resp J* 2000 ; Suppl Sept.

MM Hoyer, **E Spiekerkoetter**, H Fabel. Geschlechtsspezifische Unterschiede in der Reaktion gegenüber Vasodilatorien bei primär pulmonaler Hypertonie (PPH). *Pneumologie* 2001;55;S10.

E Spiekerkoetter, MM Hoyer, H Fabel. Häodynamische Akuteffekte von Salbutamol-Dosieraerosol bei primär pulmonaler Hypertonie (PPH). *Pneumologie* 2001;55;S10.

MM Hoeper, **E Spiekerkoetter**, N Galie, R Ewert, J Behr, D Wiedemann, H Olschewski, R Barst. Outcome after cardiopulmonary resuscitation in pulmonary arterial hypertension. Am J Resp Crit Care Med 2001;163: Suppl May.

E Spiekerkoetter, MM Hoeper, H Fabel. Acute hemodynamic effects of salbutamol aerosol in patients with primary pulmonary hypertension. Am J Resp Crit Care Med 2001;163: Suppl May.

MM Hoeper, Ehlerding S, Schwarze M, **Spiekerkoetter E**, Fabel H. Primary pulmonary hypertension, hyperuricemia and renal function. Eur Resp J 2001: Volume 18: Suppl 33, 415s.

J Behr, R Baumgartner, M Borst, R Ewert, A Ghofrani, M Hoeper, A Meyer, S Nikkho, H Olschewski, S Singer, **E Spiekerkoetter**, H Wilkens, J Winkler, W Seeger. Consistency of the acute hemodynamic response to inhaled iloprost in pulmonary hypertension patients treated long-term with iloprost aerosol. Eur Resp J 2001:Volume 18, Suppl 33, 323s.

S Nikkho, W Seeger, R Baumgartner, J Behr, M Borst, R Ewert, H Ghofrani, M Hoeper, A Meyer, H Siedentop, **E Spiekerkoetter**, H Wilkens, J Winkler, H Olschewski. Eur Resp J 2001; 18: Suppl 33, 324s.

E Spiekerkoetter, V Westerkamp, M Kreutz, H Fabel, A Haverich, J Niedermeyer. Malignancies after Lung- and Heart-Lungtransplantation – a single center study over a 12-year period. Am J Resp Crit Care Med 2003;167 (7) A248

S Nikkho, W Seeger, J Behr, M Borts, R Ewert, A Ghofrani, R Hetzer, M Hoeper, A Meyer, H Siedentrop, **E Spiekerkoetter**, H Wilkens, J Winkler, H Olschewski . Two-Year Survival in Patients with Pulmonary Hypertension Inhaling Iloprost. Am J Resp Crit Care Med 2003;167 (7) A275

E Spiekerkoetter, A Lawrie, SL Merklinger, M Rabinovitch. Mts1, a novel gene in the pathogenesis of pulmonary hypertension, induces migration of human Pulmonary Artery Smooth muscle cells via the Receptor for Advanced Glycation end products (RAGE). Accepted at American Heart Association (AHA) Conference, Orlando, FL, 2003

E Spiekerkoetter, Noona Ambartsumian, Eugene Lukanidin, Ann-Marie Schmidt, Marlene Rabinovitch. S100A4/Mts1 stimulates human pulmonary artery smooth muscle cell (hPASMC) migration through multiple signaling pathways. Submitted to the North American Vascular Biology Organisation (NAVBO) Meeting, Asilomar, CA, Feb 2004

E Spiekerkoetter, S Merklinger, N El-Bizri, N Ambartsumian, MA Matthay, M Rabinovitch. In S100 A4/Mts1 overexpressing mice that are prone to pulmonary hypertension an inflammatory stimulus with Bleomycin alone fails to trigger pulmonary vascular obliterative disease. Submitted to American Thoracic Society (ATS) Conference, Orlando, FL, May 2004