



Markus Wilhelm, MD

Professor
Senior Consultant
Cardiac Surgery

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Curriculum Vitae

Key skills

- Mechanical circulatory support (ECLS/ECMO, LVAD, BVAD)
- Heart Transplantation
- Postoperative management of patients after cardiac

Background

- Since 08/2016 Senior Consultant, Clinic for Cardiovascular Surgery (Prof. Maisano), University Hospital Zurich,
Head, Postoperative Care after Cardiac Surgery
Head, Heart Transplantation and Mechanical Circulatory Support
- Since 07/2015 Associate Professor (Westfalian Wilhelms-University Muenster, Germany)
- 05/2003 – 07/2016 Consultant, Clinic for Cardiovascular Surgery (Prof. Turina, Prof. Genoni, Prof. Falk, Prof. Maisano), University Hospital Zurich
- 07/1999 – 04/2003 Resident, Clinic for Thoracic and Cardiovascular Surgery, (Westfalian Wilhelms-University Muenster, Germany) (Prof. Scheld)
- 03/2003 Board certification in «Cardiac Surgery»
- 07/2002 Assistant Professor, Westfalian Wilhelms-University Muenster, Germany (Prof. Scheld),
Thesis: „Donor brain death and its immunological consequences on the transplanted organ“
- 07/1997 – 07/1999 Research Fellowship, Surgical Research Laboratory, Harvard Medical School, Boston, MA, USA (Prof. Dr. N.L. Tilney) (Scholarship of the “German Research Foundation”, DFG)
- 11/1994 – 07/1997 Resident, Clinic for Thoracic and Cardiovascular Surgery, (Westfalian Wilhelms-University Muenster, Germany) (Prof. Scheld)
- 07/1993 – 10/1994 Resident, Department of Surgery, University Hospital Zurich (Prof. Largiadèr)
- 11/1991 – 06/1993 Resident, Clinic for Cardiovascular Surgery, University Hospital Zurich (Prof. Turina)
- 10/1990 – 10/1991 Intern and Resident, Clinic for Thoracic and Cardiovascular Surgery (Prof. Hetzer, German Heart Center Berlin, Germany)
- 08/1991 Medical license

02/1990 – 09/1990 Intern, Clinic for Cardiology (Prof. Strauer, Heinrich-Heine-University Duesseldorf, Germany)

02/1990 Dissertation («magna cum laude»), Prof. Ganten, Institute for Pharmacology, Ruprecht-Karls-University Heidelberg, Germany: «The intracardiac renin-angiotensin system – Indicators for its existence and examinations about its regulation“

12/1989 Graduation from Medical School, Ruprecht-Karls-University Heidelberg, Germany

10/1981 – 12/1989 Medical School, Ruprecht-Karls-University Heidelberg, Germany

11/1988 – 06/1989 Medical School, Indiana University Medical School, Indianapolis, USA (Scholarship of the “German Academic Exchange Service”)

1985 – 1988 Scholarship of the «German Academic Scholarship Foundation”

06/1981 Graduation from High School (humanistic education), Bismarck-Gymnasium Karlsruhe (graduation mark: 1.0, Prize for Latin and Ancient Greek, Foundation „Humanismus heute“ of the State of Baden-Wuerttemberg)

Publications

1. Wilhelm MJ, Pratschke J, Beato F, Taal M, Kusaka M, Hancock WW, Tilney NL. Activation of the heart by donor brain death accelerates acute rejection after transplantation. *Circulation* 2000;102:2426-2433
2. Wilhelm MJ, Hammel D, Schmid C, Rhode A, Kaan T, Rothenburger M, Stypmann J, Schäfers M, Schmidt C, Baba HA, Scheld HH. Long-term support of 9 patients with the DeBakey VAD for more than 200 days. *J Thorac Cardiovasc Surg* 2005;130:1122-1129
3. Rodriguez Cetina Biefer H, Sündermann SH, Emmert MY, Enseleit F, Seifert B, Ruschitzka F, Jacobs S, Lachat ML, Falk V, Wilhelm MJ. Surviving 20 years after heart transplantation: A success story. *Ann Thorac Surg* 2014;97:499-504
4. Schoenrath F, Hoch D, Maisano F, Starck CT, Seifert B, Wenger U, Ruschitzka F, Wilhelm MJ. Survival, quality of life and impact of right heart failure in patients with acute cardiogenic shock treated with ECMO. *Heart Lung* 2016;45:409-415
5. Ochsner G, Wilhelm MJ (co-first author), Amacher R, Petrou A, Cesarovic N, Staufert S, Röhrnbauer B, Maisano F, Hierold C, Meboldt M, Schmid Daners M. In Vivo Evaluation of Physiologic Control Algorithms for Left Ventricular Assist Devices Based on Left Ventricular Volume or Pressure. *ASAIO J* 2017;63:568-577.

Memberships

Swisstransplant:

Since 12/2017 President, „Comité Medical“, Swisstransplant
Since 2015 Member, „Comité Medical“, Swisstransplant
Since 2015 President, „Working Group Heart“, Swisstransplant
Since 2005 Member, „Working Group Heart“, Swisstransplant

Swisstransplant Cohort Study:

Since 2013 Delegate of the Transplant Center Zurich in the
„Board of Representatives“ of the „Swiss Transplant
Cohort Study (STCS)“

Medical Societies:

Since 2017 Working Group «Heart Failure», Swiss Society for
Cardiology
Since 2008 Swiss Transplantation Society
Since 2005 Swiss Society for Cardiac and Thoracic Vascular
Surgery
Since 1998 The Transplantation Society
Since 1997 International Society for Heart and Lung
Transplantation

Key areas of research

- Mechanical Circulatory Support (ECLS/ECMO, VAD)
- Heart Transplantation