Prepared: November 25, 2025

CURRICULUM VITAE

Name: Georg Maximilian Wieselthaler, MD

Position: Professor of Clinical Surgery emeritus
University of California, San Francisco
Former Director and Surgical Chief of Cardiac Transplantation and Mechanical Circulatory Support

Address: University of California San Francisco

Position: Chair Department of CT-Surgery
Chief of Staff

Address: GAD Heart & Lung Institute
Al-Khobar, KSA

EDUCATION

1976 - 1978	University of Vienna, College for Electrical Engineering	Electrical Engineering	Electrical Engineering	
1978 - 1987	University of Vienna, Vienna School of Medicine	Medical Degree	Medicine	
1988 - 1989	Military Hospital, Vienna, Austria Department of Surgery	Internship	Surgery	
1989 - 1995	Vienna General Hospital, Medical University of Vienna	Residency	General Surgery	Dr. Ernst Wolner, Professor and Chair
1995 - 1996	Vienna General Hospital, Medical University of Vienna	Fellowship	Cardiothoracic Surgery	Dr. Ernst Wolner, Professor and Chair
1996 - 1997	Landes Krankenhaus St. Pölten Hospital, Austria, Staff Surgeon	Advanced Fellowship	Cardiothoracic Surgery	
1997 - 1998	Landes Krankenhaus Lainz Hospital, Austria, Staff Surgeon	Advanced Fellowship	Cardiovascular Surgery	

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1998 - 2000	Vienna General Hospital, Medical University of Vienna	Fellowship	Heart Transplant	Dr. G. Laufer, Program Director and Univ. Professor
2000 - 2003	Vienna General Hospital, Medical University of Vienna	Fellowship	Lung Transplant	Dr. W. Klepetko, Program Director and Univ. Professor

LICENSES, CERTIFICATION

1995	Austrian Board of Surgery 1
2000	Austrian Board of Cardiac Surgery (recert 2006)
2003	Austrian Board of Thoracic Surgery
2007	Austrian Board of Vascular Surgery
2009	Austrian Board of Cardiac Surgery and Intensive Care
2011	Medical Board of California, Medical License (renew 2021)

PRINCIPAL POSITIONS HELD

1995 - 1999	Vienna General Hospital, University of Vienna, Medical Faculty	Staff Surgeon	The 2nd Surgery Department
1999 - 2011	Vienna General Hospital, Medical University of Vienna	Senior Staff Surgeon	Department of Cardiothoracic Surgery
2000 - 2003	Medical University of Vienna	Assistant Professor of Surgery	Department of Cardiothoracic Surgery
2003 - 2011	“Evaluation of clinical application and impact of blood pumps with continuous flow”	Habilitation and Venia Docendi	Professor of Surgery with tenure
2003 - 2011	Medical University of Vienna	Professor of Surgery	Cardiothoracic Surgery
2011 - 2023	University of California, San Francisco	Professor	Surgery
2024 – present	GAD Heart & Lung Institute	Professor and Chair	

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OTHER POSITIONS HELD CONCURRENTLY

1998 - 2011	Surgical Director Mechanical Circulatory Support Program	Medical Director	Mechanical Circulatory Support Program Vienna
1999 - 1999	Baylor College of Medicine, Houston, USA (ME DeBakey, GP Noon)	ME DeBakey, GP Noon	Visiting Fellow
2000 - 2011	Vice Director Clinical Heart Transplant Program 2000 - 2011	Vice Director	Clinical Heart Transplant Program Vienna
2003 - 2003	Milton S. Hershey Medical Center, Hershey, Pennsylvania, USA	WE Pae Jr.	Visiting Professor
2005 - 2005	Columbia University Medical Center, New York, USA	MC OZ, Eric Rose	Visiting Professor
2005 - 2011	Director Interdisciplinary Surgical Heart Failure Program	Director	Medical University of Vienna
2007 -2007	Ottawa Heart Center, Ottawa, Canada	T Mesana	Visiting Professor
2007 - 2007	Cleveland Clinics, Cleveland, OH, USA	NG Smedira	Visiting Professor
2011 - 2023	University of California San Francisco		Director and Surgical Chief of Cardiac Transplantation and Mechanical Circulatory Support
2024 - present	CAD Heart & Lung Institute, Al-Khobar, KSA		Chair Department of Surgery, Chief of Staff
			Division of Cardiothoracic Surgery

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HONORS AND AWARDS

1999	"Medforte–Olsen Clinical Award: Clinical experience with the first long-term continuous flow axial pump"	The International Society for Rotary Blood Pumps
2001	"Medforte–Olsen Clinical Award: Physical rehabilitation training and spiro-ergometry of patients with MicroMed LVAD"	The International Society for Rotary Blood Pumps
2002	Stefan Schuy-Award: Vollkron M, Schima H, Huber L, Wieselthaler G: "Interaction of the cardiovascular system with an implanted rotary assist device: simulation study with a refined computer model."	The Austrian Society for Biomedical Engineering
2002	Young Investigator Award: Vollkron M, Schima H, Huber L, Benkowski B, Morello G, Wieselthaler GM Wolner E. "Development of a reliable suction detection system for axial blood pumps."	The International Society for Rotary Blood Pumps
2017	Redefining Possible Award	UCSF Health

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KEYWORDS/AREAS OF INTEREST

Aortic Surgery, Arrhythmia Surgery, Artificial Organs, Cardiac Tranplantation, Cardio-Thoracic, General Cardiac Surgery, Heart Failure, LVAD, Mechanical Circulatory Support Systems, Minimal Invasive Cardiac Surgery, Vascular Surgery.

CLINICAL ACTIVITIES

CLINICAL ACTIVITIES SUMMARY

I am one of the world's leading experts in the use of different forms of mechanical circulatory support systems and cardiac transplantation in the treatment of end stage heart failure patients. Over the years, I have educated and trained colleagues worldwide in the use of all different forms of mechanical assist devices and proctored uncounted cases worldwide. In my position as the Director and Surgical Chief of Cardiac Transplantation and Mechanical Circulatory Support at UCSF Medical Center, I have developed over the last decade a very strong and effective team for taking care of advanced heart failure and cardiogenic shock patients together with my colleagues from advanced heart failure cardiology, anesthesia, and ICU intensive care. I have personally implanted over 500 implantable left ventricular assist devices (LVADs) into patients and performed over 900 successful orthotopic heart transplants. Back in 1998 I implanted the world's first miniaturized axial flow pump, the MicroMed DeBakey-pump into two patients in Vienna, which became the world's first patients without a clinical registered pulse. Both patients were subsequently successfully transplanted. In 2003 I joined a start-up company in Florida, HeartWare Inc., and we developed over the next 3 years a new 3rd generation, hybrid-magnetically levitated HeartWare HVAD-pump, which I implanted worldwide into the first patients in 2006 in Vienna. After my move to San Francisco I introduced this pump into the clinical use at UCSF Medical Center and from 2013 on these pumps were successfully used in the regular clinical setting at UCSF. Due to my expertise, I introduced UCSF as the West-Coast Training Center for the HeartWare HVAD and many national and international teams were trained and educated at UCSF and I continued to proctor cases in the USA.

To further reduce the surgical trauma of LVAD insertion and to facilitate faster postoperative rehabilitation, I introduced the minimal invasive implantation technique into clinical practice at UCSF and performed the first clinical implant in the USA already in 2013. Out of this endeavor a national FDA supported clinical trial resolved, where UCSF participated and enrolled the third highest number of patients. Several publications in highly ranked peer reviewed journals resulted out of this trial. Besides these highly specialized surgical procedures, I perform all kinds of conventional and other highly specialized adult cardiac and aortic surgery procedures, as well as minimal invasive valve surgery and arrhythmia surgery.

CLINICAL SERVICES

2000 - 2000	Training and surgical proctor for the first MicroMed DeBakey axial flow pump implant Ospedale Niguarda, Milano/Italy
2002 - 2005	Training of international teams from several clinical institutions throughout Europe with the Thoratec p-VAD and i-VAD
2003 - 2006	Consultant-ship: HeartWare Inc.; Miami Lakes, USA: Development of a rotary blood pump with hybrid magnetic bearing: HVAD
2003 - 2007	Training of international teams from several clinical institutions throughout Europe with the MicroMed DeBakey

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2004 - 2004	Training and surgical proctor for the first MicroMed DeBakey axial flow pump implant Sahlgrenska University Hospital, Gothenburg/Sweden
2004 - 2004	Training and surgical proctor for the first axial pump implant Eppendorf University Hospital, Hamburg/Germany
2007 - 2007	Training and surgical proctor for the first axial pump implant Yenitepi University Hospital, Istanbul/Turkey
2007 - 2009	HeartWare Inc.; Minimal invasive approach of LVAD implantation: The MVAD V-can Project.
2008 - 2008	Training and surgical proctor for the first short-term rotary pump implant University Hospital Repro, Zagreb/Croatia
2009 - 2009	Training and surgical proctor for the first HeartWare HVAD implant; Onasis Cardiac Surgery Center, Athens, Greece
2009 - 2009	Training and surgical proctor for the first HeartWare HVAD implant; Rikshospitalet Oslo, Norway
2009 - 2009	Training and surgical proctor for the first HeartWare HVAD implant at National Heart Center Warszawa and National Cardiovascular Center Zabrze, Poland
2010 - 2010	Training and surgical proctor for the first HeartMate II implant University Hospital Repro, Zagreb/Croatia
2010 - 2010	Training and surgical proctor for the first HeartWare HVAD implant; Ospedale Humanitas, Rozzano /Milano, Italy
2010 - 2010	Training and surgical proctor for the first HeartWare HVAD implant; Inselspital, University of Bern, Switzerland
2010 - 2010	Training and surgical proctor for the first HeartWare HVAD implant; Medical University of Heidelberg, Germany
2010 - 2010	Training and surgical proctor for the first HeartWare HVAD implant; University Hospital, Leiden, Netherlands
2010 - 2011	Training and surgical proctor for several HeartWare HVAD implant; EGE University Hospital, Izmir, Turkey
2011 - 2011	Training and surgical proctor for the first HeartWare HVAD implant; Karolinska University Hospital, Stockholm, Sweden
2011 - 2011	Training and surgical proctor for the first HeartWare HVAD implant; University Hospital, Catanzaro, Italy
2011 - 2011	Training and surgical proctor for the first HeartWare HVAD implant; Gaziantep University Hospital, Gaziantep, Turkey
2011 - 2011	Training and surgical proctor for several HeartWare HVAD implant; Akdeniz University, Antalya, Turkey

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2011 - 2011 Training and surgical proctor for the first HeartWare HVAD implant; Bellinson Hospital, Rabin Medical Center, Tel Aviv, Israel

2013 - 2013 Training and surgical proctor for the first HeartWare HVAD implant; University of California, San Diego, USA

2013 - 2013 Training and surgical proctor for the first HeartWare HVAD implant; Sutter Medical Center, Sacramento, CA, USA

2013 - 2013 Training and surgical proctor for the first HeartWare HVAD implant; University of Arizona, Tucson, AZ, USA

2014 - 2014 Training and surgical proctor for the first HeartWare HVAD implant, Tokyo Medical University, Japan

2015 - 2015 Training and surgical proctor for the for the first HeartWare HVAD implant, Fresno Heart & Surgical Hospital, Fresno, CA USA

2016 - 2016 Training and surgical proctor for the for the first HeartMate II implant, Fresno Community Hospital, Fresno, CA, USA

PROFESSIONAL ACTIVITIES

MEMBERSHIPS

1989 - present Austrian Society for Cardiothoracic Surgery

1990 - present Austrian Transplantation Society

1992 - present International Society for Mechanical Circulatory Support: Past President, Past Secretary General

1992 - present International Society for Heart & Lung Transplantation: Past Director

2000 - present European Society for Artificial Organs: Past Director

2007 - present Austrian Society for Implantology and Tissue Integrated Prosthetics: Past President

2009 - present European Association for Cardiothoracic Surgery

2009 - 2015 International Society for Thrombosis and Hemostasis

2009 - present American Association for Artificial Internal Organs

2009 - 2018 Heart Failure Society of America

2012 - 2015 American Association for Thoracic Surgery

SERVICE TO PROFESSIONAL ORGANIZATIONS

1988 - 1988 “First International Workshop on Rotary Blood Pumps” Obertauern, Austria in collaboration with Professor Heinrich Schima — Organizer

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1991 - 1991	"Second International Workshop on Rotary Blood Pumps" Baden, in collaboration with Professor Heinrich Schima	Organizer
1994 - 1994	Second Congress of the International Society for Rotary Blood Pumps Vienna, in collaboration with Prof. Heinrich Schima	Organizer
1996 - present	International Society for Heart and Lung Transplantation (ISHLT) Annual Meeting: 1996, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2010, 2011, 2012, 2013, 2015, 2016, 2017, 2019	Session chair
1998 - 1998	"First European Workshop on Graft-Classification and Preservation in Cardiac Transplantation" in Baden / Vienna	Organizer
1999 - 1999	International Society for Rotary Blood Pumps (ISRBP now ISMCS) Annual Meeting: 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012,2013, 2014, 2015, 2016, 2017, 2018, 2019,	Session chair
2000 - 2002	International Society for Rotary Blood Pumps	Board of Directors
2001 - 2019	International Society for Heart & Lung Transplantation (ISHLT) Program Board: annual meetings in Vancouver 2001 and 2004 in San Francisco.	Member
2002 - 2008	International Society for Rotary Blood Pumps	Secretary General
2004 - 2012	European Society for Artificial Organs (ESAO) Annual Meeting: 2004, 2005,2006, 2007, 2008, 2009,2010, 2011, 2012	Session chair
2005 - 2005	First International Interdisciplinary Workshop on Blood Activation and Anticoagulation in Rotary Blood Pumps, Fuschl, Austria	Organizer
2006 - 2012	European Society for Artificial Organs	Board of Directors
2006 - 2008	Austrian Society for Implantology and Tissue Integrated Prosthesis	President
2008 - 2008	First International, Interdisciplinary Conference on Bleeding and Thrombosis in Mechanical Circulatory Support, BTMCS 2008, Vienna, Austria	Organizer
2008 - 2012	International Society for Rotary Blood Pumps	Vice President
2009 - 2009	American Heart Association (AHA) Discussant Late Breaking Clinical Trials: 2009	Member
2011 - 2014	International Society for Heart and Lung Transplantation	Board of Directors
2012 - 2013	International Society for Rotary Blood Pumps	President

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2014 - 2014	22nd Annual Meeting of the International Society for Rotary Blood Pumps, San Francisco	Congress President

SERVICE TO PROFESSIONAL PUBLICATIONS

1996 - present International Society for Heart & Lung Transplantation (ISHLT) Abstract Reviewing Board

1998 - present peer manuscript reviewer: Artificial Organs, Circulation, Circulation Heart Failure, Journal of Heart & Lung Transplantation, European Journal of Cardio-Thoracic Surgery, Annals of Cardio-Thoracic Surgery, International Journal of Artificial Organs, American Society for Artificial Internal Organs Journal

1999 - present International Society for Rotary Blood Pumps now International Society for Mechanical Circulatory Support (ISRBP now ISMCS) Abstract Reviewing Board

2004 - 2011 European Society for Artificial Organs (ESAO) Abstract Reviewing Board

2005 - present European Association for Cardio-Thoracic Surgery (EACTS) Abstract Review Board

INVITED PRESENTATIONS - INTERNATIONAL (starting only from 2008)

2008	Dtsch- Österr.- Schweiz- Jahrestagung der Ges. f. Herz-Thoraxchirurgie, Innsbruck, Austria	Presenter
2008	Postgraduate Course, Austria Board of Surgery	Presenter
2008	Abbot Center of Excellence, Vienna, Austria	Presenter
2008	International Meeting on Bleeding & Thrombosis in MCS, Vienna, Austria	Presenter
2008	Forty-ninth Annual Meeting of the Austrian Surgical Society, Innsbruck, Austria	Presenter
2008	Workshop "Recent Progress in Mechanical Heart Assist" Zabrze, Poland	Presenter
2008	European Society for Artificial Organs, Geneva, Switzerland	Presenter
2008	Twenty-second Annual European Association of CardioThoarcic Surgeons EACTS, Lisbon, Portugal	Presenter
2008	Forty-second Annual Convegno Cardiologia 2008, Milano, Italy	Presenter
2008	First Annual Brano Radevancevic/ Texas Heart Institute Heart Failure Meeting, Portoroz, Slovenia	Presenter
2008	Heart Failure Meeting Karolinska Hospitalet, Stockholm, Sweden	Presenter
2008	Management of Perioperative CV Failure in Cardiothoracic Surgery, Zurich, Switzerland	Presenter

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2008	Third Annual European Mechanical Circulatory Support Summit, Bad Oeynhausen, Germany	Presenter
2009	Dtsch- Österr.- Schweiz- Jahrestagung der Ges. f. Herz-Thoraxchirurgie, Stuttgart, Germany	Presenter
2009	ESAO Winter School, Kranjska Gora, Slovenia	Presenter
2009	Heart Failure & Co, Rozzano/Milano, Italy	Presenter
2009	International Society for Heart & Lung Transplantation, Paris, France	Presenter
2009	Sixth Annual Meeting of the Euro-Asian Bridge, Dubrovnik, Croatia	Presenter
2009	Seventeenth Annual Conference of the Israel Transplant Society, Eilat, Israel	Presenter
2009	Fiftieth Annual Meeting of the Austrian Surgical Society, Vienna, Austria	Presenter
2009	Thoratec Round Table: Infections in MCS; Berlin, Germany	Presenter
2009	Second Annual Razavi International Cardiovascular Surgery Congress, Mashad, Iran	Presenter
2009	Austrian/German/Switzerland Heart Failure Meeting, Vienna, Austria	Presenter
2009	Second Annual Brano Radevancevic/ Texas Heart Institute Heart Failure Meeting, Portoroz, Slovenia	Presenter
2009	Seventeenth Annual Meeting Intl. Society for Rotary Blood Pumps, Singapore	Presenter
2009	Heart Transplant Meeting, Rotterdam, Netherlands	Presenter
2009	Twenty-third Annual European Association of Cardiothoarcic Surgeons EACTS, Vienna, Austria	Presenter
2009	Fourth Annual European Mechanical Circulatory Support Summit, Paris, France	Presenter
2010	Annual Meeting of the Saudi Heart Association, Rhyad, Saudi Arabia	Presenter
2010	Thirty-ninth Annual Meeting of the German Society for Cardiothoracic and Vascular Surgery, Stuttgart, Germany	Presenter
2010	First European HeartWare Users Meeting, Paris	Presenter
2010	Third Annual Meeting of the Israeli Heart & Lung Transplant Forum, Tel Aviv, Israel	Presenter
2010	Grand Round, Medical University of Barcelona, Spain	Presenter

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2010	Annual Meeting of the European Society for Artificial Organs, Skopje, Macedonia	Presenter
2010	Third Annual Brano Radevancevic/ Texas Heart Institute Heart Failure Meeting, Portoroz, Slovenia	Presenter
2010	Al Bassel Heart Failure Summit, Damascus, Syria	Presenter
2011	Seventh Congress of Update in Cardiology and Cardiovascular Surgery, Antalya, Turkey	Presenter
2011	Sixtieth ESCVS Conference, Moscow, Russia	Presenter
2011	Twenty-sixth Annual Meeting of the European Association of Cardiothoracic Anesthesiologists, Vienna, Austria	Presenter
2011	43. Jahrestagung der ÖGIAIM und DGIIN, Vienna, Austria	Presenter
2012	International Society for Heart and Lung Transplantation: 32nd Annual Meeting and Scientific Sessions Prague, Czech Republic	Presenter
2012	Twentieth International Society of Rotary Blood Pump 2012, Istanbul, Turkey	Presenter
2012	European Association for Cardio Thoracic Surgery Academy: Advanced Module: Heart Failure: State of The Art And Future Perspectives, Windsor, United Kingdom	Presenter
2013	International Society for Heart and Lung Transplantation: 33rd Annual Meeting and Scientific Sessions Montreal, Canada	Presenter
2013	First Jilin Heart Academy Workshop in China Jilin, China	Presenter
2013	Twenty-third World Congress of World Society of Cardio-Thoracic Surgeons	Presenter
2013	Twenty-first Congress of the International Society for Rotary Blood Pumps	Presenter
2013	Joint Meeting with the 5th Congress of the International Federation of Artificial Organs (IFAO2013) and the 51st Annual Meeting of the Japanese Society for Artificial Internal Organs (JSAO2013).	Presenter & Chair
2013	European Association for Cardio-Thoracic Surgery Foundation Course - Heart Failure	Presenter
2015	International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS) Annual Scientific Meeting, Berlin, Germany	Presenter
2015	Gordon Research Conference, Lucca, Italy	Presenter

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2015	Twenty-ninth European Association for Cardio Thoracic Surgery Academy: An Examination of the HVAD Lavare Cycle practice: Session name: Left Ventricular Assist Device: latest advances, Amsterdam, Netherlands	Presenter
2015	EUMS (The European Mechanical Circulatory Support Summit), Paris, France	Presenter
2015	Eighth Annual Brano Heart Failure Forum, Budapest, Hungary	Presenter
2015	Twenty-third Annual International Society of Rotary Blood Pumps, Dubrovnik, Croatia	Presenter
2016	International Society for Heart & Lung Transplantation: 36th Annual Meeting and Scientific Sessions, Washington, D.C.	Chair
2016	BRANO Heart Failure Forum, "Novel Anticoagulation protocols; Do we need Aspirin?" Ljublijana, Slovenia	Presenter & Chair
2016	International Society for Rotary Blood Pumps, "Patient Management - Old/New MCS Challenge," Tokyo, Japan	Presenter & Chair
2016	Thirtieth European Association for Cardio Thoracic Surgery Academy, "Shifts in Indications in MCS," Barcelona, Spain	Presenter & Chair
2017	The European Society Heart and Lung Transplantation, "Pump Thrombosis," Wengen, Switzerland	Presenter
2017	International Society for Heart & Lung Transplantation: 37th Annual Meeting and Scientific Sessions, "Pre-Implant Atrial Fibrillation Predicts Gastrointestinal Bleeding Following Left Ventricular Assist Device Implantation," San Diego, CA	Presenter
2017	International Society for Heart & Lung Transplantation: 37th Annual Meeting and Scientific Sessions, "Model of End-Stage Liver Disease (MELD) and MELD-Sodium Scoring Systems Predict Development of Early Right Heart Failure in Patients Undergoing Ventricular Assist Device Implant.," San Diego, CA	Presenter
2017	International Society for Heart & Lung Transplantation: 37th Annual Meeting and Scientific Sessions, "Novel Techniques of Sound Wave Analysis Can Detect Ventricular Assist Device Thrombosis," San Diego, CA	Presenter
2017	The European Association of Cardio-Thoracic Surgery 31st Annual Meeting, "Dealing with Complex Adult Cardiac Surgery Including Transplantation. Live-in-a Box," Vienna, Austria	Presenter
2017	Innovation and New Treatment Strategies in Heart Failure, 10th Annual Brano Heart Failure Forum, "LVAD Therapy for a Small Left Ventricle," Prague, Czech Republic.	Presenter

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2017	10th Brano Radevancevic "Heart Failure Forum", Prague, Czech Republic	Presenter and Chair
2017	ESAO (European Society for Artificial Organs, Vienna, Austria	Chair
2017	50th Anniversary of First Heart Transplant, Capetown,South Africa	Presenter and Chair
2018	11th Brano Radevancevic Heart Failure Forum, Zagreb, Croatia	Presenter and Chair
2018	ISMCS International Society for MCS, Tokyo, Japan	Chair
2018	European Mechanical Circulatory Support Summit, Paris, France	Presenter and Chair
2018	European Association for Cardio-Thoracic Surgery: 32nd Annual Meeting, Milan, Italy	Presenter
2019	European Society for Artificial Organs: 46th Annual Congress, Hannover, Germany	Presenter
2019	International Society for Mechanical Circulatory Support: 27th Annual Meeting, Bologna, Italy	Presenter and Chair
2019	European Mechanical Circulatory Support Summit, Vienna, Austria	Presenter and Chair
2020	Aortic Valve Repair Workshop, Paris	Participant
2021	EACTS Barcelona	Chair
2022	EUMS and ISMCS Joint Meeting, Hanover, Germany	Presenter
2025	17th Brano Radevancevic Heart Failure Forum, Portoroz, Slovenia	Chair
2025	Japanese Society for Artificial Organs/International Federation for Artificial Organs annual meeting, Tokyo	Presenter
2025	International Society for Mechanical Circulatory Support 31st annual meeting, Vienna	Chair

INVITED PRESENTATIONS – NATIONAL USA

2008	International Society for Heart & Lung Transplantation, Boston, MA	Presenter
2008	American Society for Artificial Internal Organs, San Francisco, CA	Presenter
2008	Sixteenth Annual Meeting International Society for Rotary Blood Pumps, Houston, TX	Presenter

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2009	STS 45th Annual Meeting, San Francisco, CA	Presenter
2009	American Heart Association, Orlando, FL	Presenter
2010	Cleveland Clinic Heart Failure Summit, Cleveland, OH	Presenter
2012	Advanced Heart Failure Conference, Las Vegas, NV	Presenter
2012	American Society for Artificial Internal Organs, San Francisco, CA	Presenter

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2012	21st Century Treatment of Heart Failure: Synchronizing Surgical and Medical Therapies for Better Outcomes, Cleveland, Ohio	Presenter
2013	Thoratec Mechanical Circulatory Support Conference Orlando, FL	Presenter
2013	American Transplant Congress Seattle, WA	Presenter
2013	Association of Surgical Technologists, 44th National Conference New Orleans, LA	Presenter
2013	Fifth-ninth Annual American Society for Artificial Internal Organs Chicago, IL	Presenter
2015	American Heart Association/American Stroke Association, Orlando, FL	Presenter
2016	Scientific Advisory Board Meeting on MCS Pipeline, Boston, MA	Presenter
2016	Spectrum Health, International Symposium, Grand Rapids, MI	Presenter
2016	Sunshine Heart Summit: C-Pulse Surgical Summit, Orlando, FL	Presenter
2017	GRC Assisted Circulation: Hemocompatibility, Vermont	Presenter
2017	Gordon Research Conference, Vermont	Presenter
2017	ISMCS International Society for MCS	Chair
2017	Medtronic User Meeting, Minneapolis	Presenter
2019	International Society for Heart and Lung Transplant, Orlando, FL	Chair
2021	American Society for Artificial Internal Organs, Washington, DC	Chair
2022	International Society for Heart and Lung Transplantation, Boston, MA	Attending
2022	American Society for Artificial Internal Organs, Chicago, IL	Presenter
2022	University of Vienna Alumni Meeting, Los Angeles, CA	Presenter

INVITED PRESENTATIONS - REGIONAL AND OTHER INVITED PRESENTATIONS

2012	UCSF Transplant: Today's Realities, Tomorrow's Possibilities, San Francisco, CA	Speaker
2012	Critical Care Medicine & Trauma: UCSF, San Francisco, CA	Presenter

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2012	Highland General Hospital, Medicine Grand Rounds, Oakland, CA	Presenter
2012	Novato Community Hospital, Grand Rounds, Novato, CA	Presenter
2012	Kaiser Outreach, San Francisco, CA	Presenter
2012	Blue Shield Outreach, San Francisco, CA	Presenter
2012	Bay Area Society of Thoracic Surgeons (BASTS): The Future of Advanced Heart Failure Treatment, San Francisco, CA	Presenter
2013	Asian Health Symposium San Francisco, CA	Presenter
2013	Fresno Heart, Fresno, CA	Presenter
2013	St. Helena Outreach - LVAD at UCSF, San Francisco, CA	Presenter
2014	Modesto Outreach - ECMO, Modesto, CA	Presenter
2014	John Muir Hospital, Grand Rounds, Walnut Creek, CA	Presenter
2015	Medical Advisory Committee Meeting, San Francisco, CA	Presenter
2015	UCSF Innovation Retreat, San Francisco, CA	Presenter
2017	UCSF Outreach Leadership Group Meeting- VAD, San Francisco, CA	Presenter
2018	St. Helena Outreach- Adventist Heart and Vascular Group, St. Helena, CA	Presenter
2018	John Muir Outreach- Cardiology, San Pablo, CA	Presenter
2019	St. Mary's Outreach- Cardiology, San Francisco, CA	Presenter
2019	St. Helena Outreach- Adventist Heart and Vascular Group, St. Helena, CA	Presenter
2019	American Society for Artificial Organs, San Francisco, CA	Presenter
2020	NorthBay Outreach- Walnut Creek, CA	Presenter

CONTINUING EDUCATION AND PROFESSIONAL DEVELOPMENT ACTIVITIES

2012	UCSF Department of Surgery Grand Rounds, San Francisco, CA
2012	International Society for Heart and Lung Transplantation: 32nd Annual Meeting and Scientific Sessions, Prague, Czech Republic
2012	UCSF Critical Care Medicine and Trauma Conference, San Francisco, CA
2012	American Society for Artificial Internal Organs Conference, San Francisco, CA
2012	Annual Mechanical Circulatory Support: Optimal Management and New Frontiers, Stanford, CA

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2012	UCSF Transplant 2012: Todays Realities, Tomorrows Possibilities Conference, San Francisco, CA
2012	Cleveland Clininc Confernece, Cleveland, OH
2013	International Society for Heart and Lung Transplantation: 33rd Annual Meeting and Scientific Sessions, Montreal, Canada
2013	UCSF Department of Cardiology Grand Rounds, San Francisco, CA
2013	UCSF Department of Surgery Grands Rounds, San Francisco, CA
2013	Association of Surgical Technologists, 44th National Conference, New Orleans, LA
2013	59th Annual American Society for Artificial Internal Organs, Chicago, IL
2014	UCLA Heart Failure Symposium, Los Angeles, CA
2014	UCSF, Department of Surgery Grand Rounds, San Francisco
2015	UCARS Cardiac Recovery Symposium, University of Utah, Salt Lake City, UT
2015	International Society of Heart and Lung Transplantation: 35th Annual Meeting and Scientific Sessions, Nice, France
2016	International Society of Heart and Lung Transplantation: 36th Annual Meeting and Scientific Sessions, Washington, DC
2017	International Society of Heart and Lung Transplantation: 37th Annual Meeting and Scientific Sessions, San Diego, CA
2018	European Association for Cardio-Thoracic Surgery: Aortic Valve Reconstruction Course, Paris, France
2018	UCSF School of Medicine: Schwartz Center Grand Rounds, San Francisco, CA
2019	UCSF School of Medicine and Enact Leadership: Differences Matter Diversity, Equity, and Inclusion Champion Training, San Francisco, CA
2019	MGR19112 – Schwartz Center Grand Rounds, San Francisco, CA
2020	Aortic Valve Repair Workshop, Paris
2021	Aortic Association: Proximal thoracic aortic pathology – focus on zone 0. A journey through the aortic root addressing all aspects from reconstruction to replacement
2021	American Society for Artificial Internal Organs, Washington, DC
2021	UCSF Department of Surgery Grands Rounds, San Francisco, CA
2021	European Accreditation Council for Continuing Medical Education
2022	UCSF Department of Surgery Grands Rounds, San Francisco, CA
2022	International Society of Heart and Lung Transplantation: Annual Meeting and Scientific Sessions, Boston, MA
2022	American Society for Artificial Internal Organs, Chicago

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TEACHING AND MENTORING

TEACHING SUMMARY

In my position as a Clinical Professor here at UCSF, I dedicate a significant portion of my time teaching the principals and clinical skills of cardio-thoracic surgery to students, residents, and fellows, that are under my tutelage. In my former position at the Medical University of Vienna as a full Professor of Surgery, I received the "venia docendi" in 2003, which is the official credentialing to teach in Medical School and at the University Hospital. Since then, I have seen it as a major responsibility of my position to teach, tutor and supervise medical students, residents and younger colleagues and advance their knowledge in our field. Here at UCSF, I supervise and participate in direct hands-on teaching as well as formal didactic teaching and daily clinical rounds on my patients with our clinical trainees, students and other learners. This includes direct interaction with the residents and interns and students in the operating room, but also to provide them all of my decade long medical experience with the pre- and post-operative treatment of patients in cardio-respiratory failure in the ICU as well as on the regular ward. I am also very dedicated to teach and continuously educate all our surgical APPs, especially those with whom I take care of all those patients on different mechanical support systems or after heart transplantation. We further support our fellows and all learners with our weekly Grand Round teaching conferences, regular M & M sessions and quarterly organized journal clubs. I find it extremely important to stimulate critical thinking and decision making of our trainees in the clinical environment of severely diseased patients, as well as permanent questioning of applied evidence based medicine in order to improve medical treatment options as well as to investigate new scientific approaches.

This is a recent summary of my teaching evaluation on the Cardio-Thoracic Surgical service to date by house staff:

Evaluation: Resident Evaluation of Faculty Member
Target: Wieselthaler, Georg
Responses: 5
Evaluation information entered here will be made available to the evaluated person in anonymous and aggregated form only.
Teaching
Routinely Occasionally Rarely Never N/A
4 3 2 1 0 N: Avg: Std:
Teaches effectively (inpatient/outpatient/OR, formal/informal)*
Routinely: 5 N: 5 Avg: 4.00 Std: 0.0
Availability
Routinely Occasionally Rarely Never N/A
4 3 2 1 0 N: Avg: Std:
Readily available to residents for discussion of patient problems, including attendance at conferences, for clinical questions, when on call*

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Routinely: 5 N: 5 Avg: 4.00 Std: 0.0
Rapport
Routinely Occasionally Rarely Never N/A
4 3 2 1 0 N: Avg: Std:
Develops and maintains good rapport with residents*
Routinely: 5 N: 5 Avg: 4.00 Std: 0.0
Performance Feedback
Routinely Occasionally Rarely Never N/A
4 3 2 1 0 N: Avg: Std:
Provides feedback to residents about their performance*
Routinely: 5 N: 5 Avg: 4.00 Std: 0.0
Role model
Routinely Occasionally Rarely Never N/A
4 3 2 1 0 N: Avg: Std:
Is a role model for professionalism* Routinely: 5 N: 5 Avg: 4.00 Std: 0.0

Strengths
What are this faculty member's strengths?

accessible and takes the time to educate

Truly exceptional faculty. I have never met a surgeon more willing and eager to go the extra mile to benefit the patient. He is in a league of his own from a technical skills standpoint, and is willing to share this knowledge with early trainees. He is compassionate and respectful. His teaching is frequent and high impact. He stands out among all the faculty I have worked with in the surgery department.

Kind, professional, and very willing to teach. I appreciated that he took an effort to develop rapport with the residents.
Great to learn from, taught me effectively about principles of mechanical circulatory support and heart transplant. I appreciated seeing the variety of complex cases he does.
n/a
Weaknesses
What are this faculty member's weaknesses (including suggestions for improvement)?
N/A
None
none
n/a
n/a

INFORMAL TEACHING

2004 - 2004 Lecturer European Postgraduate School for Cardio-Thoracic surgery, European Association for Cardio- Thoracic Surgery (EACTS); Bergamo /Italy

2005 - 2006 Lecturer HESPERIS-course of the European Society for Organ Transplantation (ESOT), Vienna / Padova / Italy 2005/2006

2012 - 2012 Lecturer EACTS Foundation Course: "Advanced Module: Heart Failure and Mechanical Circulatory Support" Windsor, UK

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2012 - present Informal teaching to Mechanical Circulatory Support and Surgical Mid-Level Providers (NPs, PAs)

2013 - 2013 Lecturer EACTS Foundation Course: "Advanced Module II: Heart Failure - State of the Art and Future Perspectives" Windsor, UK

2014 - 2014 Lecturer EACTS Foundation Course: "Advanced Module II: Heart Failure - State of the Art and Future Perspectives" Milano, Italy

2016 - 2016 "History of MCS: Part I + II."

MENTORING SUMMARY

One of my fondest activities and for which I take significant pride and joy in doing is mentoring our junior and senior fellows in our growing clinical program. To introduce new surgical techniques and teach others to perform it is one of the highlights of my professional life. To mentor junior faculty in career choices and job application as well as research directions is one of the most important dues of senior faculty members.

During my short period of time at UCSF I had the opportunity to guide and mentor five residents and advice in education and clinical research.

PREDOCTORAL STUDENTS SUPERVISED OR MENTORED

Dates	Name	Program or School	Mentor Type	Role	Current Position
2012 - present	Connie Wang	University of California, San Francisco	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	Medical Student
2012 - 2012	Rizwan Sardar	High School Student	Project Mentor	Mentor	Student
2013 - 2013	Kristian Alavarado	UC Santa Cruz Pre-Med	Career Mentor	Mentor	Student
2013 - 2013	Rebecca Nguyen	Pre-Med Student	Career Mentor	Mentor	Student
2013 - present	Mark Paccult	Pre-Med Student	Career Mentor	Mentor	Student

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Dates	Name	Program or School	Mentor Type	Role	Current Position
2013 - 2013	Laura Chapdelaine	Pre-Med Student	Career Mentor	Mentor	Student
2015 - 2015	Elaine Chan	Pre-Med Student	Career Mentor	Mentor	Student

POSTDOCTORAL FELLOWS AND RESIDENTS MENTORED

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2004 - 2011	Andreas Zuckermann	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	Professor University of Vienna, president ISHLT
2005 - 2006	Michael Grimm	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	Professor and Chair University of Innsbruck/Austria
2007 - 2011	Daniel Zimpfer	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	Professor and Chair University of Vienna/Austria
2008 - 2011	Martin Czerny	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	Professor and Chair University of Freiburg/Germany
2011 - 2012	Neil Cambronero	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	Attending Congenital Surgery UT Houston
2011 - 2013	Errol Bush	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	Associate Professor at Johns Hopkins Medicine

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Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2011 - 2013	Ghada Al-Mubarak	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	Medical Advisor at King AbdulAziz University Washington, DC
2011 - 2015	Bihn Trinh	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	Associate Professor UCSF
2013 - 2016	Jordy Cox	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	Attending Salt Lake City
2013 - 2014	Sam Bastiani	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	Non-ACGME Fellow
2014 - 2017	Johannes Kratz	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	Assistant Professor UCSF
2015 - 2018	Merry Uchiyama	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	Attending John Muir, Concord
2016 - 2019	Melissa Coleman	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	Assistant Professor UCSF
2017 - 2020	Daniel Weber	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	Attending Indiana
2017 - 2021	Barbara Hamilton	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	Attending UCSF

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Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2019 - 2022	Ramon Riojas	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	PG8
2019 - 2022	Jennifer Perri	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	PG8
2020 - 2022	Herbert Luu	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	PG7
2021 - 2022	Laura Scrimgeour	Cardiothoracic Surgery	Career Mentor,Co-Mentor/Clinical Mentor	Mentor	PG6

VISITING FACULTY MENTORED

2019 - 2019 Per Snorre Lingaas Oslo University Hospital, Rikshospitalet, Norway

RESEARCH AND CREATIVE ACTIVITIES

RESEARCH PROGRAM (SEPARATE SUMMARY)

As the director and surgical chief of Cardiac Transplantation and Mechanical Circulatory Support, as well as a renowned heart transplant surgeon and leading expert in heart pumps, my vision was to bring the latest innovations in mechanical circulatory assist devices to patients and to develop better heart pumps. In the mid-2000s, I worked with a start-up in Florida in the development of the HeartWare HVAD Pump and served later as the principal investigator in the clinical trial for approval of the CE certification. After I joined UCSF in 2011 the HeartWare HVAD received FDA approval and I started to use this pump clinically for our patients at UCSF. Short thereafter I performed for the first time in the US a new, less invasive implantation technique of this pump that led to an FDA supported clinical trial, where UCSF participated as the third largest patient enroller. Several peer reviewed scientific papers resulted out of this multiinstitutional clinical trial, where I am either author, co-author, or senior author.

We participated in another FDA supported clinical trial with the Reliant Heart Assist pump, but this trial was halted after a few implants and finally completely stopped by the company.

UCSF was chosen to participate in the "Competence Trial of the EvaHeart LVAD", an FDA approved comparative trial of the EvaHeart LVAD with the HeartMate III pump system. The application is under way and start is projected this fiscal year before summer.

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At this point there are several projects underway, where we publish our results from our clinical LVAD implants and heart transplants. These studies are mainly in collaboration with the advanced heart failure group here at UCSF, but there is another collaboration starting with the group at Jefferson University in Philadelphia with Dr. Rame.

My research goal is to continue to expand the Cardiac Transplantation and Mechanical Circulatory Support Program at UCSF and catalyze interdisciplinary research while collaborating with colleagues in all areas.

RESEARCH AWARDS - CURRENT

1.	PI	1 % effort	Wieselthaler (PI)
	HeartWare	06/18/2015	06/18/2022
	A prospective, randomized, multicenter clinical trial to evaluate the safety and efficacy of the HeartAssist 5 VAD System compared to the HeartMate II VAD and HVAD for left ventricular support in patients awaiting cardiac transplantation.		$ 139,252 total

The purpose of the study is to determine whether the use of the HeartAssist 5 ® VAD System can safely and effectively provide circulatory support as a bridge to cardiac transplantation in patients at risk of death from refractory end-stage heart failure. The study objective is to demonstrate the safety and effectiveness of the device as a bridge to transplant in patients at risk of death from refractory end-stage heart failure. The primary objective is to show non-inferiority of the investigational device to the control treatment. This is a multicenter, prospective, randomized, two-arm study, using as a control either the Thoratec HeartMate II® VAD or the HeartWare® HVAD, both of which are FDA-approved LVADs indicated for use in cardiac transplant candidates at risk of death from refractory end-stage failure.

As my role as the Principal Investigator, I am responsible for the recruitment, enrollment, and patient care for all subjects. I am also responsible and accountable for conducting the clinical trial. My role also includes the responsibility for the treatment and evaluation of human subjects, and for the integrity of the research data and results.

2.	PI	1 % effort	Wieselthaler (PI)
	Reliant Heart Study	09/11/2015	08/31/2020
	A Prospective, Single Arm, Multi-Center Clinical Study in Collaboration with the InterAgency Registry for Mechanically Assisted Circulatory Support (INTERMACS®) to Evaluate the Thoracotomy Implant Technique of the HeartWare HVAD® System in Patients with Advanced Heart Failure.		$ 414,791 total

This is a multi-center, prospective, single arm study that will evaluate the thoracotomy implant technique in up to 145 subjects implanted via thoracotomy with the HeartWare HVAD® System and enrolled in the InterAgency Registry for Mechanically Assisted Circulatory Support (INTERMACS®) protocol and database.

As my role as the Principal Investigator, I am responsible for the recruitment, enrollment, and patient care for all subjects. I am also responsible and accountable for conducting the clinical trial. My role also includes the responsibility for the treatment and evaluation of human subjects, and for the integrity of the research data and results.

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3. Co-PI — Wieselthaler, Roy, and Ertl (PI)

UCSF Department of Surgery- Startup Grant — 10/1/2014

Contactless Bio-impedance Sensing for Rejection Detection and Long-term Monitoring in Solid Organ Transplantation — $ 15,000 total

Every transplanted tissue and solid organ bears the risk of rejection, which can finally result in the loss of the transplant with falling back into disability or even death. Tissue biopsies are used today to detect and monitor tissue or solid organ rejection episodes. These clinical methods hold in many ways a high risk for the patient and enormous costs for the healthcare system. Detection of early stages of rejection and continuous monitoring can prevent severe organ impairment or even loss of function. Contactless Impedance Spectroscopy (CIS) makes use of the electrical properties of tissues exposed to a low radio-frequency electrical field (AC) to characterize their specific composition and structure. In the presence of AC electrical fields distinct relaxation modes occur in multicellular systems, because of interfacial polarization along membranes, extracellular matrix components and ion fluctuations within biofluids. Continuous and non-invasive monitoring of tissue capacity, resistance and conductivity changes allows for early identification of tissue remodeling events. Bio-impedance Sensors: We have previously demonstrated that complete sensor isolation using metal oxide coatings such as titanium dioxide and resulting physical removal of the impedance electrodes from the liquid sensing environment eliminates ohmic (faradaic) contributions, bubble formation and electrode polarization events, thus providing stable and non-drifting measurement conditions over long periods of time. Animal studies have shown that contactless bioimpedance sensing is particularly sensitive towards cell morphology changes, tissue remodelling events and cell movements. CIS is therefor ideally suited to detect the invasion of lymphocytes into the transplant graft, early edema and cell necrosis, which are all known processes that occur during transplant rejection. Collaboration between UCSF (Dr. Wieselthaler), UCSF Bioengineering (Dr. Shuvo Roy) and Technical University of Vienna (Prof. Dr. Peter Ertl)

RESEARCH AWARDS - PAST

1.

03/01/1984 09/01/1989

1984-1989 Collaboration with the 2nd Dept. of Surgery (Chair: Prof. Dr.Ernst Wolner) and Biolab (Chair: Prof. Dr. Herwig Thoma), University of Vienna in the field of “artificial heart and mechanical circulatory assist”

2.

01/01/1987 10/01/1991

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1987–1991 Surgical research work in the fields of mechanical circulatory assist (Vienna Total Artificial Heart, rotary blood pumps, involvement of atrial natriuretic factor (ANP) in the fluid balance in animals with mechanical circulatory support, collaboration with the Dept. of Physiology University of Brno, Czechoslovakia (Head: Prof. Vascu)

3.

	03/01/1991	10/01/1993
1991 Grant from the “Bürgermeisterfond der Stadt Wien” for “Development of a noninvasive monitoring device for detection of acute allograft rejection after orthotopic heart transplantation.”	$ 280.000 ATS direct/yr 1	

4.

	03/01/1991	03/01/1995
Collaboration with the “Ludwig Boltzmann-Institute for Experimental Heart Surgery” and the Center for Biomedical Research, University of Vienna (Head: Prof. Udo Losert); “Development of a miniaturized, implantable centrifugal blood pump”		

5.

	01/01/1994	12/01/1998
1994 – 1998 member of the international working group ” Heart Assist and Replacement”, a concerted action program of the European Community		

6.

	10/1/1993	10/1/1995
1995 Principal Investigator of a randomized, prospective Phase III-Study for FDA approval: “Celsior - a new preservation solution in clinical heart transplantation”		$ 195.000 ATS total

7.

	10/1/1998	1/1/2004

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	1998 Principal Investigator: “First clinical use of the miniaturized, implantable MicroMed-DeBakey axial flow pump”		$ 750.000 ATS total
8.	1998 – 2002 Austrian representative of the Registration Board of the “International Society for Heart and Lung Transplantation”	01/01/1998	01/01/2002
9.	1999 Principal Investigator of the ARROW LionHeart 2000 trial; first full implantable left ventricular assist pump with transcutaneous energy transmission for destination therapy	3/1/1999	12/31/2002 $ 120.000 ATS total
10.	“Medforte –Olsen Clinical Award” 1999 of the International Society for Rotary Blood Pumps “Clinical experience with the first long-term continuous flow axial pump”		
11.	“Medforte –Olsen Clinical Award” 2001 of the International Society for Rotary Blood Pumps “Physical rehabilitation training and spiro-ergometry of patients with MicroMed LVAD”		
12.	Stefan Schuy-Award 2002 of the Austrian Society for Biomedical Engineering: Vollkron M, Schima H, Huber L, Wieselthaler G: “Interaction of the cardiovascular system with an implanted rotary assist device: simulation study with a refined computer model.”		

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13.

Young Investigator Award 2002 of the International Society for Rotary Blood Pumps: Vollkron M, Schima H, Huber L, Benkowski B, Morello G, Wieselthaler GM Wolner E. "Development of a reliable suction detection system for axial blood pump

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14.

	1/1/2004	3/1/2006
2004 Principal Investigator of the TERUMO DuraHeart trial; first clinical application of a magnetically levitated centrifugal pump		$ 245.000 ATS total

15.

	3/1/2006	6/30/2008
2006 Principal Investigator of the HeartWare HVAD trial; first clinical application of a new, miniaturized, magnetically levitated centrifugal pump		$ 175.000 Euro total

16.

	6/17/2006	
Patent Application: “Implantation procedure for blood pumps” Inventor: Wieselthaler G. U.S. Patent App. 25658-400500 Intl. Publication date: 17 Jun 2006		

17.

	01/01/2008	01/01/2010
2008 - 2010 Minimal invasive implantable HeartWare MVAD, feasibility studies and initial animal experiments with continued long-term studies		$ 220.000 Euro total

18.

	01/01/2009	01/01/2011
2009 – 2011 Collaboration with the Medical University Munich/Germany – Dept. of Hematology and Hemostaseology (Prof. M.Spannagl, Prof. A. Reininger) “Hematological impact of von Willebrand´s Factor in rotary blood pump patients”		

19.

	1/12/2010
Patent Application: “Cannula tip for use with a VAD” Inventors: Schima H, Stoiber M, Wieselthaler G, Intl. Publication date: 21 Jan 2010 Deckert Z. Intl. Patent App. Nr: PCT/US2009/004109	

20.

Molecular alterations in cardiac tissue of patients with non-ischemic dilated cardiomyopathy after mechanical left ventricular unloading	5/2/2009	6/30/2011
		$ 53.000 Euro total

PEER REVIEWED PUBLICATIONS

1. Trubel W, **Wieselthaler G**, Buxbaum P, Rokitansky A, Schima H, Schreiner W, Vierhapper H, Waldhäusl WK, Losert UM, Wolner E. Atrial natriuretic factor production and secretion during clinical total artificial heart-bridge-to-transplantation. American Society for Artificial Organ Transaction Journal. 1989 Jul-Sep; 35(3):718-21. PMID: 2532032
2. Rokitansky AM, Losert UM, Trubel W, **Wieselthaler G**, Krausler S, Shreiner W, Buxbaum P, Vierhapper H, Waldhäusl WK, Wolner E. Action of endogenous atrial natriuretic peptide in calves with experimental acute central venous congestion and low cardiac output. Cardiovascular Research. 1990 May; 24(5):345-51. PMID: 2142617
3. Schima H, Trubel W, Moritz A, **Wieselthaler G**, Stöhr HG, Thoma H, Losert U, Wolner E. Noninvasive monitoring of rotary blood pumps: necessity, possibilities, and limitations. Artifical Organs. 1992 Apr; 16(2):195-202. PMID: 10078244
4. Schmidt C, Schima H, Raderer F, **Wieselthaler G**. [A measuring device for calculating electrical impedance of the heart in clinical conditions]. Biomedical Engineering / Biomedizinische Technik (Berl). 1992 May; 37(5):109-14. PMID: 1633254
5. Windberger U, Urbanek P, Vierhapper H, **Wieselthaler G**, Dolezel S, Nowotny P, Trubel W, Dostal M, Vasku J, Losert U. Diminished release of atrial natriuretic factor in calves with a total artificial heart. Artificial Organs. 1992 Aug; 16(4):392-7. PMID: 10078281
6. Schmuth M, End A, Grimm M, Ringel H, Wisser W, **Wieselthaler G**, Wollenek G, Klepetko W. [Cytomegalovirus infection following lung transplantation]. Deutsche Medizinische Wochenschschrift. 1993 Mar 19; 118(11):365-70. PMID: 8384098
7. Wanke T, Merkle M, Formanek D, Zifko U, **Wieselthaler G**, Zwick H, Klepetko W, Burghuber OC. Effect of lung transplantation on diaphragmatic function in patients with chronic obstructive pulmonary disease. Thorax. 1994 May;49(5):459-64. PMID: 8016766

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8. Schima H, Trubel W, **Wieselthaler G**, Schmidt C, Müller MR, Siegl H, Losert U, Wolner E. The Vienna implantable centrifugal blood pump. Artificial Organs. 1994 Jul; 18(7):500-5. PMID: 7980093

9. Grimm M, Grimm G, Zuckermann A, **Wieselthaler G**, Daneschvar H, Kocher A, Feuerstein M, Schmidinger H, Podczeck A, Pacher R, et al. [Strategies in management of heart transplantation candidates with tachycardic ventricular arrhythmia anamnesis]. Wiener Klinische Wochenschr. 1995; 107(16):479-84. PMID: 7571641

10. Grimm M, Grimm G, Zuckermann A, **Wieselthaler G**, Feuerstein M, Daneschvar H, Schmiedinger H, Schreiner W, Wolner E, Laufer G. ICD therapy in survivors of sudden cardiac death awaiting heart transplantation. Annals Thoracic Surgery. 1995 Apr; 59(4):916-20. PMID: 7695418

11. Holzer S, Scherer R, Schmidt C, Schwendenwein I, **Wieselthaler G**, Noisser R, Schima H. A clinical monitoring system for centrifugal blood pumps. Artificial Organs. 1995 Jul; 19(7):708-12. PMID: 8572980

12. Schima H, Schmallegger H, Huber L, Birgmann I, Reindl C, Schmidt C, Roschal K, **Wieselthaler G,** Trubel W, Losert U, et al. An implantable seal-less centrifugal pump with integrated double-disk motor. Artificial Organs. 1995 Jul; 19(7):639-43. PMID: 8572966

13. Schima H, **Wieselthaler G**. Mechanically induced blood trauma: are the relevant questions already solved, or is it still an important field to be investigated? Artificial Organs. 1995 Jul; 19(7):563-4. PMID: 8572952

14. Grimm M, **Wieselthaler G**, Avanessian R, Grimm G, Schmidinger H, Schreiner W, Podczeck A, Wolner E, Laufer G. The impact of implantable cardioverter-defibrillators on mortality among patients on the waiting list for heart transplantation. The Journal of Thoracic and Cardiovascular Surgery. 1995 Aug; 110(2):532-9. PMID: 7637372

15. Koller-Strametz J, **Wieselthaler G**, Kratochwill C, Laufer G, Pacher R, Heinz G. Thromboembolism associated with junctional escape rhythm and atrial standstill after orthotopic heart transplantation. The Journal of Heart and Lung Transplant. 1995 Sep-Oct; 14(5):999-1002. PMID: 8800739

16. End A, Stift A, **Wieselthaler G**, Griesmacher A, Schlechta B, Koppensteiner R, Schreiner W, Geissler K, Stockenhuber F, Klepetko W. Anemia and erythropoietin levels in lung transplant recipients. Transplantation. 1995 Dec 15; 60(11):1245-51. PMID: 8525518

17. Schmidt C, Schwendenwein I, **Wieselthaler G**, Roschal K, Schima H, Losert U, Wolner E. Pharmacologically induced heart failure for the evaluation of circulatory assistance. Artificial Organs. 1996 Jun; 20(6):685-8. PMID: 8817978

18. Schmidt C, Schwendenwein I, Wieselthaler G, Roschal K, Schima H, Losert U, Wolner E. Pharmacologically Induced Heart Failure for the Evaluation of Circulatory Assistance. Artif Organs. 1996 May; 20(5):685-688. PMID: 28868708

19. Schima H, Huber L, Schmallegger H, Drost CJ, Droudt A, **Wieselthaler G**, Losert U. Flow measurement at the pump head of centrifugal pumps: comparison of ultrasonic transit time and ultrasonic Doppler systems. Artificial Organs. 1997 Jul; 21(7):808-15. PMID: 9212964

20. Artemiou O, **Wieselthaler G**, Zuckermann A, Wisser W, Wekerle T, Senbaklavaci O, Birsan T, Dekan G, Kritzinger M, Klepetko W. Downsizing of the donor lung: peripheral

segmental resections and lobar transplantation. Transplant Proceedings. 1997 Nov; 29(7):2899-900. PMID: 9365607

21. Birsan T, Zuckermann Z, Artermiou O, Senbaklavci O, Taghavi S, **Wieselthaler G**, Dekan G, Wislocki W, Klepetko W. Bilateral lung transplantation for pulmonary hypertension. Transplant Proceedings. 1997 Nov; 29(7):2892-4. PMID: 9365605

22. Stiebellehner L, Quittan M, End A, **Wieselthaler G**, Klepetko W, Haber P, Burghuber OC. Aerobic endurance training program improves exercise performance in lung transplant recipients. Chest. 1998 Apr; 113(4):906-12. PMID: 9554624

23. Aringer M, Kiener HP, Koeller MD, Artemiou O, Zuckermann A, **Wieselthaler G**, Klepetko W, Seidl G, Kainberger F, Bernecker P, Smolen JS, Pietschmann P. High turnover bone disease following lung transplantation. Bone. 1998 Nov; 23(5):485-8. PMID: 9823457

24. Moidl R, Chevtchik O, Simon P, Grimm M, **Wieselthaler G**, Ullrich R, Mittlböck M, Wolner E, Laufer G. Noninvasive monitoring of peak filling rate with acoustic quantification echocardiography accurately detects acute cardiac allograft rejection. The Journal of Heart and Lung Transplant. 1999 Mar; 18(3):194-201. PMID: 10328144

25. Thalhammer-Scherrer R, **Wieselthaler G**, Knoebl P, Schwarzinger I, Simonitsch I, Mitterbauer G, Berlakovich GA, Mannhalter C, Haas OA, Mayer G, Muehlbacher F, Wolner E, Klepetko W, Lechner K, Jaeger U. Post-transplant acute myeloid leukemia (PT-AML). Leukemia. 1999 Mar; 13(3):321-6. PMID: 10086721

26. **Wieselthaler GM**, Chevtchik O, Konetschny R, Moidl R, Mallinger R, Mares P, Griessmacher A, Grimm M, Wolner E, Laufer G. Improved graft function using a new myocardial preservation solution: Celsior. Preliminary data from a randomized prospective study. Transplant Proceedings. 1999 Aug; 31(5):2067-8. PMID: 10455971

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