SEMINARY REPORT
CARDIOLOGY

October 8-14, 2023

A Global Educational Initiative by the
American Austrian Foundation

Weill Cornell Medicine
Medtronic
38 fellows from 25 countries

19 didactic lectures

37 fellows’ case presentations

8 faculty members from the USA and Austria

7 excellent case presentations

3 hands-on training sessions in cooperation with Medtronic

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<th>Time</th>
<th>Sunday, October 8</th>
<th>Monday, October 9</th>
<th>Tuesday, October 10</th>
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**Echocardiography in Cardiomyopathies**
- Thomas Binder, MD

**Management of Atrial Fibrillation in CHF**
- Sei Iwai, MD, FACC, FHRS

**Hypertrophic Cardiomyopathy**
- Diala Steitieh, MD

**Acute Pulmonary Embolism**
- Irene Marthe Lang, MD

**How to Publish a Peer-Reviewed Manuscript**
- Gerald Maurer, MD

**Cardiac Resynchronization Therapies**
- Sei Iwai, MD, FACC, FHRS

**Pregnancy and Congenital Heart Disease**
- Harsimran Sachdeva Singh, MD, MSc

**Newly Diagnosed Dilated Cardiomyopathy**
- Robert J. Kim, MD

**Congenital Cardiology Jeopardy!**
- Harsimran Sachdeva Singh, MD, MSc

**Clinical and Basic Aspects of Pulmonary Hypertension**
- Irene Marthe Lang, MD

**Tricuspid Regurgitation: The Echocardiographic View**
- Thomas Binder, MD

**Transcatheter Aortic Valve Replacement Today**
- Christian Hengstenberg, MD

**VT in Structurally Normal Hearts**
- Sei Iwai, MD, FACC, FHRS

**Management of CHF and Shock**
- Diala Steitieh, MD

**A New View on Myocardial Fibrosis**
- Gerald Maurer, MD

**Management of Acute Coronary Syndromes in 2023**
- Harsimran Sachdeva Singh, MD, MSc

**Modern Percutaneous Treatments of the Mitral Valve**
- Christian Hengstenberg, MD

**High Yield ECG Interpretation Pearls**
- Diala Steitieh, MD

**A Difficult Case: What Would You Do?**
- Robert J. Kim, MD

**Post-Seminar Test Evaluation & Discussion**
- Workshop Fellows' Case Presentations

**TAVI Implantation Procedure**
- Micra Leadless Pacing Implantation
- CRT Implantation
- Transseptal Puncture and Cryo AF Ablation

**CRT Implantation**
- ICD Programming

**Hands-on Training**
- Workshop Fellows' Case Presentations

**OMI Presentation**
- 19:00 - 19:15

**FAREWELL RECEPTION**
- 20:00 - 21:00
Robert J. Kim, MD
(Course Director)

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Robert J. Kim, MD is a noninvasive general cardiologist who is the Director of Consultative Cardiology at Weill Cornell Medicine/NewYork-Presbyterian Hospital. Dr. Kim was born in Deep River, Ontario, Canada then traveled to the US for his higher education. He received his BA in Biochemical Sciences from Harvard University and his MD from Johns Hopkins School of Medicine. He completed his internal medicine residency at Duke University Medical Center and his cardiology fellowship at Weill Cornell Medical College/NewYork-Presbyterian Hospital. Dr. Kim is the Associate Program Director for the Cardiovascular Diseases Fellowship program and is the Co-chair of the Quality Improvement and Patient Safety committee of the Department of Medicine and Co-Director of the Quality Improvement Academy. He has authored several manuscripts and book chapters and was the site PI for the ADAPTABLE and HERITAGE trials at Weill Cornell. He is the unit director for the cardiovascular pathophysiology module for first year medical students and has received numerous teaching awards and honors. He was selected as a member of the Emerging Faculty Program of the American College of Cardiology in 2012 and was also a Weill Cornell Health Policy Leadership Fellow in 2012. He continues to work on utilizing health information technology to deliver accurate, efficient, and high-quality care to patients at Weill Cornell. Dr. Kim is currently an Associate Professor of Clinical Medicine in the Division of Cardiology at Weill Cornell Medicine/NewYork-Presbyterian Hospital. He lives in New York City with his wife Kelly and son Galen.
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Thomas Binder, MD was born 1960 in Vienna and studied medicine at the Medical University in Vienna from where he graduated 1985. Prof. Binder was trained in internal medicine and cardiology at the general hospital of the University of Vienna (AKH). Research activities brought him to the Huntington Memorial Research Institute in Pasadena, Ca, USA where he was engaged in basic vascular research. In addition, he served as a clinical fellow at the Loma Linda Medical Center, Loma Linda, Ca, USA. Starting at an early stage of his career Dr. Binder was devoted to imaging techniques and, specifically echocardiography. His scientific focus is clinical echocardiography and new techniques such as three-dimensional echo and speckle tracking. Dr. Binder published numerous peer review articles in national and international journals and contributed to several textbooks dealing with echocardiography. In 2000, Dr. Binder achieved the Habilitation Venia Docendi for Professorship in Internal Medicine/Cardiology. As assistant Professor Dr. Binder was director of the echocardiography laboratory of the University Clinic of Cardiology in Vienna for over 20 years and now heads the Department of Digital Learning at the Teaching Center of the Medical University of Vienna. Further appointments include: deputy editor of the European Journal of Cardiovascular Imaging, secretary of the European Union of Medical Specialists – Cardiology section (UEMS-CS) and secretary of the European Cardiology Section Foundation (ECSF). In addition, Dr. Binder is past president of the Echocardiography Working Group of the Austrian Society of Cardiology (ÖKG). Aside from his work as a clinical cardiologist and researcher Dr. Binder is strongly involved in the education of medical specialists and students. He is director of several national and international echocardiography courses and tutor for the American Austrian Foundation/ Open Medical Institute (educational joint program between eastern countries, Austria and the US). Dr. Binder also has a strong interest in digital learning techniques. After publishing several educational CD-ROM's he is now fully engaged in Internet based e-learning techniques, and is the founder and CEO of 123sonography.com, a platform that teaches Ultrasound online.
Christian Hengstenberg, MD
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Christian Hengstenberg, MD studied at the universities of Vienna and Würzburg. Doctoral thesis on “Expression of antigens and neoantigens in inflammatory heart diseases and rejection after heart transplantation” (University Würzburg Prof. Dr. B. Maisch). Educational grant of the German Research Society (DFG) with Prof. Ketty Schwartz at INSERM U127, Hôpital Lariboisière, Paris- France. Clinical education at University Hospital Marburg and Regensburg. Professorship for „Clinical and Molecular Cardiology“ at the Medical Faculty of the University Regensburg, Germany. From 2012 until 9/2017, Senior cardiologist and deputy director of the German Heart Center Munich. Since 10/2017, Chair of Internal Medicine and Cardiology at the Medical University Vienna, Austria. Clinical focus is interventional transcutaneous aortic valve implantation (TAVI), coronary intervention, primary and secondary prevention of coronary artery disease, and heart failure. Scientific focus on TAVI and genetics of heart diseases, especially coronary artery disease and cardiomyopathies. Over 500 PubMed listed publications with > 60,000 citations and an H index of 98. an impact factor (ISI 2016) >2.400. Regular reviewer for international journals and member of several cardiological societies.
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Sei Iwai, MD, FACC, FHRS is Professor of Clinical Medicine at New York Medical College in Valhalla, NY. He is Section Chief of Cardiac Electrophysiology of the Westchester Medical Center Health Network and Director of the Cardiac Electrophysiology Fellowship Program at Westchester Medical Center. Over the past 22 years, Sei has been a full-time faculty member at New York Presbyterian Hospital - Weill Cornell Medical Center, Stony Brook University Medical Center, and currently at Westchester Medical Center. Dr. Iwai has extensive experience in catheter ablation of complex arrhythmias. In addition, he performs implantations of pacemakers, ICDs, and cardiac resynchronization therapy devices, as well as laser lead extractions and left atrial appendage occlusion device implants. He has been recognized in New York Magazine Top Doctors issues and by Castle Connolly as one of “America’s Top Doctors” for the past decade. He has lectured throughout the United States as well as in Europe on various topics related to cardiac electrophysiology. Dr. Iwai has published over 90 peer-reviewed manuscripts, book chapters, and review articles. He serves as an Editorial Consultant for JACC: Clinical Electrophysiology, and also serves as ad hoc reviewer for publications such as the Journal of the American College of Cardiology, Heart Rhythm, Circulation: Arrhythmia and Electrophysiology, the American Journal of Cardiology, PACE, and Journal of Atrial Fibrillation. He has served on the ABIM/ACC Clinical Cardiac Electrophysiology CMP Standard Setting Committee, and on the Clinical Cardiac Electrophysiology Milestones Working Group. Dr. Iwai received his undergraduate degree from Harvard College before getting his medical degree from Columbia College of Physicians & Surgeons. He did his residency in Internal Medicine at Columbia-Presbyterian Medical Center, followed by fellowships in both cardiovascular disease and cardiac electrophysiology at New York Hospital-Cornell.
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Irene Marthe Lang, MD is a senior staff member at the Department of Cardiology and Deputy Chair of the Department at the Medical University of Vienna. Dr. Lang carried out her medical education and residency at the University of Vienna before taking on a five-year postdoctoral research fellowship at the University of California, which included a joint appointment with the Scripps Research Institute in La Jolla, California. She has been a Professor of Vascular Biology at the Medical University of Vienna since 2004, where she leads a clinical and experimental group in vascular medicine focusing on pulmonary vascular biology and right ventricular function. Dr. Lang directs an outpatient unit for pulmonary vascular disease at the Medical University of Vienna and is an active interventional and structural cardiologist, recently very active as a balloon pulmonary angioplasty interventionist, and an active researcher. She was nominated by the World Medical Association as a ‘Caring Physician of the World’ in 2006, ‘Teacher of the Year’ at MUV in 2013, and is the past president of the Austrian Society of Cardiology. In April 2016, she was awarded the Großes Ehrenzeichen der Republik Österreich and an honorary doctorate from the University of Cyril and Methodius in Skopje, Macedonia. Dr. Lang is part of the International CTEPH Association (ICA) whose objectives are to increase awareness for CTEPH, foster worldwide collaboration between CTEPH centers, serve as platform for surgical centers and facilitate training of emerging CTEPH centers, as well as to advance research and education in CTEPH.
Gerald Maurer, MD is a graduate of the University of Vienna School of Medicine. He trained in Internal Medicine in Vienna and subsequently in Baltimore, at Sinai Hospital and Johns Hopkins. His Cardiology training was done at the University of Rochester. Dr. Maurer worked for 12 years at Cedars-Sinai Medical Center in Los Angeles, where he became the Director of Noninvasive Cardiology and also held an appointment as Associate Professor of Medicine at UCLA School of Medicine. He is Board Certified in Internal Medicine and in Cardiovascular Disease by the American Board of Internal Medicine, as well as in Austria. Dr. Maurer served as Director of the Division of Cardiology and as Chair of the Department of Medicine II at the Medical University of Vienna until 2016. Dr. Maurer’s research interests are oriented towards cardiovascular imaging, valvular, and ischemic heart disease. He has authored more than 400 peer-reviewed publications, 30 book chapters and 3 books. Dr. Maurer has served as President of the Austrian Society of Cardiology, President of the Austrian Society of Internal Medicine and has held a number of functions at the American College of Cardiology and the European Society of Cardiology. He is the Editor-in-Chief of the European Heart Journal–Cardiovascular Imaging, and is or has served on the Editorial Board of most major cardiology journals. He was appointed by the European Society of Cardiology to serve as Editor of ESC Cardiomed, and of the ESC Textbook of Cardiovascular Medicine.
Harsimran Sachdeva Singh, MD, MSc

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Harsimran Sachdeva Singh, MD, MSc is an adult congenital heart disease specialist and interventional cardiologist at Weill Cornell Medical College, New York Presbyterian Hospital in New York City, USA. Dr. Singh grew up in Lancaster, Pennsylvania, earning his undergraduate education in Molecular Biology from Princeton University, his medical degree from Yale University School of Medicine, and public health policy degree from the London School of Hygiene & Tropical Medicine. He completed his post-graduate training in medicine and cardiology at University of California, San Francisco, and Columbia University – New York Presbyterian Hospital. He trained in adult congenital heart disease and structural interventional cardiology in Canada at Toronto Congenital Cardiac Centre for Adults at Toronto General Hospital. Dr. Singh joined the full-time faculty at Weill Cornell Medical College – New York Presbyterian Hospital as the Director of Adult Congenital Heart Disease and as a specialist in Interventional Cardiology. His research interests focus on structural interventions and medical congenital heart disease in the pediatric-to-adult populations. He also serves as the Director of the Cardiovascular Fellowship training program at Weill Cornell - New York Presbyterian Hospital.
**Diala Steitieh, MD**

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Diala Steitieh, MD is a non-invasive cardiologist who focuses on general cardiology, hypertrophic cardiomyopathy, and echocardiography. Dr. Steitieh grew up in Qatar and completed her medical degree at Weill Cornell Medicine in Qatar. She then moved to New York where she completed both her residency in Internal Medicine and fellowship in Cardiology at New York Presbyterian Hospital-Weill Cornell Medicine. Dr. Steitieh’s research interests include outcomes research related to coronary disease, heart failure and hypertrophic cardiomyopathy, with a focus on racial and gender disparities in access to care. Recent publications include racial disparities in access to high volume mitral transcatheter edge-to-edge repair (TEER), and gender disparities in revascularization after myocardial infarction. Dr. Steitieh is currently on the faculty of Weill Cornell Medical College and New York Hospital as Assistant Professor of Medicine. She lives in New York City and enjoys playing tennis when not in the hospital.
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"This year marks 30 years of extraordinary OMI seminars, which started with Cardiology and the inspired vision of my former Program Director Dr. Stephen Scheidt and Dr. Wolfgang Aulitzky. Much has changed over the last three decades, but what has remained the same, and constitutes the essence of this program, is the ability to share ideas freely, to network and interact informally with fellows and faculty, and the celebration of the practice of medicine and caring for our patients around the globe."

Robert J. Kim, MD
Cardiology
“OMI VOICES

“Dr. Binder’s session on echocardiography in cardiomyopathies was very educational. He was open and approachable, and I even had the chance to speak with him personally for his opinion on some echo images.”

Olamide Akinyele, MD
OMI fellow from Nigeria

“The hands-on training workshop was excellent. We were divided into three groups and had the opportunity to improve our practical skills in EP. As for me, I implanted a leadless pacemaker for the first time and although it was only a simulation, I will never forget it!”

Aliya Sipazhova, MD
OMI fellow from Kazakhstan

“Be it the concise and up-to-date information from top experts in cardiology, the unique hands-on training, or meeting colleagues from all over the world, it is difficult to choose the best part of the seminar. I learned so much at the OMI in just one week. Overall, the experience was extremely enriching and truly unforgettable.”

Erik Kolar, MD
OMI fellow from Czech Republic
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