



INAUGURAL

DeBakey CV Congress

Advanced Interventional Cardiovascular
Imaging and Robotics

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FEB. 26-27, 2020

Didactics, Workshop and Tours

Houston Methodist Research Institute, 6670 Bertner Ave., Houston, TX 77030

Feb. 26 Dinner Keynote Presentation

The Westin Houston Medical Center, 1709 Dryden Rd., Houston, TX 77030

Course Directors: Alan B. Lumsden, MD; C. Huie Lin, MD, PhD

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VASCULAR CENTER



AGENDA: WEDNESDAY, FEB. 26 ▪ 7 a.m. Registration and Breakfast

7:45	Introduction, Welcome and Conference Overview	Alan B. Lumsden, MD
SESSION ONE ▪ Interventional Imaging Modalities – Applications in the Cath Lab and Hybrid Room		
8	Intravascular Ultrasound Imaging	Rodney White, MD
8:15	Vascular Ultrasound Imaging	Charudatta Bavare, MD
8:30	Transcranial Doppler Monitoring	Zsolt Garami, MD
8:45	Echocardiography for Interventional Procedures	Gopi Shah, MD
9	Cardiac Echo and Perpherial MRI	Mohammed Chasmi-Pasha, MD; Eric Yang, MD
9:15	Cardiac CT Imaging/Image Fusion Guidance and Cath Lab	Su Min Chang, MD
9:30	PET/CT	Mouaz Al-Mallah, MD
9:45	Angiographic Imaging: The Basics	Maham Rahimi, MD
10	TAVR, TMVR, Mitraclip, PVL Closure	Neal S. Kleiman, MD
10:15	Break and Exhibits	
SESSION TWO ▪ Advanced Interventional Technologies in the Hybrid Room		
10:30	KEYNOTE: Where Robotics Meets Imaging in the Hybrid Room of the Future	Alan B. Lumsden, MD
11	Multimodality Imaging and Image Fusion for Neuro-interventions and Surgery	Gavin Britz, MD
11:15	3D Planning and Image Fusion for Oromaxillofacial Surgery	Jaime Gateno, MD
11:30	Image Fusion in Spine Surgery	Paul Holman, MD
11:45	Image Visualization Technologies	Brian Butler, MD
Noon	Multimodality Imaging in Transcatheter Mitral Valve Interventions	Sachin Goel, MD
12:15 p.m.	Multimodality Imaging and Image Fusion for Electrophysiological Procedures	Miguel Valderrábano, MD
12:30	Surgical Simulation Utilizing 3D Printing	Jonathan Stone, MD
12:45	Break and Exhibits	
12:55	Lunch Presentation I: Intra-Operative Image Visualization* (attendance is optional)	Ponraj Chinnadurai, MBBS
1:15	Lunch Presentation II: Image Visualization and Medical Animation* (attendance is optional)	Bruce Blausen
1:35	Transition to Hands-on Session at MITIE (5th Floor)	
SESSION THREE ▪ Hands-on Workshop**		
1:45-4:30	▪ Video Integration in the OR, and Teleproctoring ▪ 2D and 3D Imaging, Image Fusion, Visualization Workshop ▪ Transcranial Doppler and Dynamic Flow Measurement Systems ▪ Cardiac Imaging and Mechanical Repair Devices ▪ Robotic Navigation ▪ 3D Printed Simulation ▪ Neuro Navigation ▪ Animation ▪ Complex Endovascular Repair Systems ▪ Hybrid/Cadaver ▪ Simulator/Simbiotics	
THE WESTIN HOUSTON MEDICAL CENTER–AZURE BALLROOM		
5:30-6	KEYNOTE PRESENTATION: Beyond the Horizon (Literally!)	Michael Hess
6-8	Dinner	

AGENDA: THURSDAY, FEB. 27 ▪ 7 a.m. Breakfast and Change into Scrubs

SESSION FOUR ▪ The Role of 3D and 4D		
8	The Role of 3D Echo in Mitral Interventions	Nadeen Faza, MD
8:15	4D Flow MRI	Albert Hsiao, MD
8:30	Cardiac 3D Printing	Shafkat Anwar, MD
8:45	Q&A Session	
SESSION FIVE ▪ Clinical Case Discussion: Houston, I Have a Problem! I Need Help....		
9	Pulmonary Intervention and Adult Congenital Cases	C. Huie Lin, MD, PhD
9:30	Complex Aortic Endograft, Endoleaks Diagnosis and Management	Alan B. Lumsden, MD
9:45	Neuro Navigation Case	Jonathan Zhang, MD
10	Minimally Invasive Cardiac Surgery (Lung Nodule Localization)	Mahesh K. Ramchandani, MD
SESSION SIX ▪ Imaging Breakouts		
10:30	Break into groups	
10:35 a.m.– 12:35 p.m.	Radiation Safety ▪ MITIE	Stephen R. Igo
	3D TEE ▪ MITIE	Nadeen Faza, MD
	Tour of Translational Imaging Center* ▪ 1st Floor Research Institute Tour of Hybrid Room* ▪ Walter Tower	
12:40 p.m.	Return Scrubs (MITIE), To-Go Lunch, and Adjournment	

Accreditation Statements

Physicians

Houston Methodist is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Houston Methodist designates this live activity for a maximum of 11.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurses

Houston Methodist is an approved provider of nursing continuing professional development by the Texas Nurses Association an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

Houston Methodist will provide up to 7.58 contact hours for this activity. Participants must attend each session in their entirety and complete the corresponding items on the evaluation tool.

American Society for Radiologic Technologists (ASRT)

Approved by the ASRT for Category A continuing education credit.

***Not certified for continuing nursing education credit or continuing medical education credit.**

****Not certified for continuing nursing education credit.**