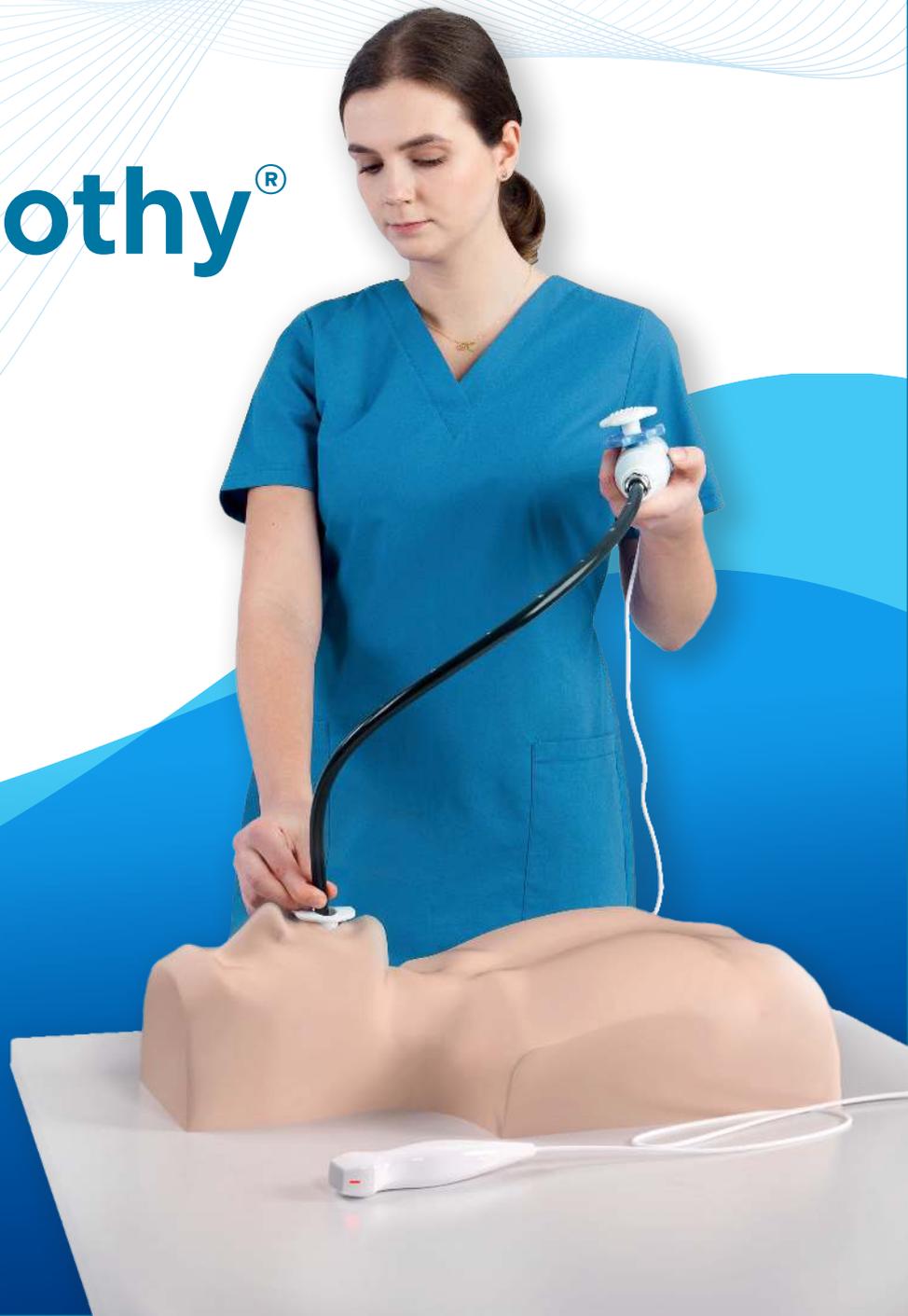
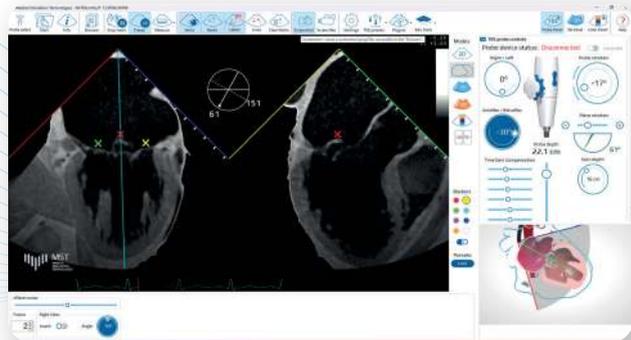


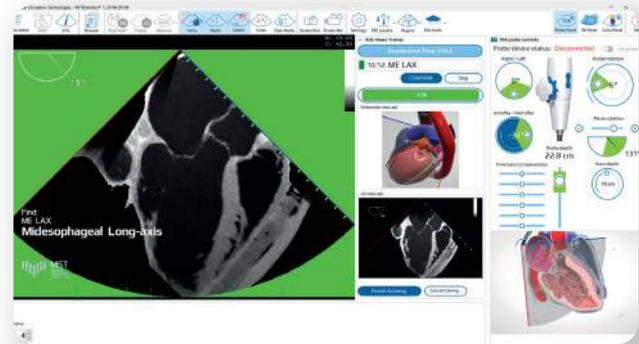
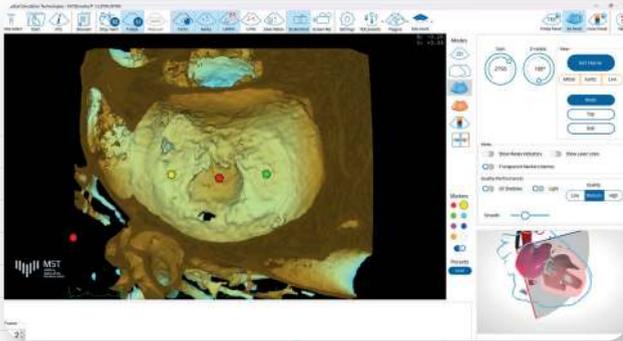
MrTEEmothy[®]

Advanced
echocardiography
simulator



MST
MEDICAL
SIMULATION
TECHNOLOGIES





MrTEEmothy® helps to:

- **understand** the three-dimensional anatomy
- **learn** how to obtain standard views in individual patients
- **shorten** the learning curve
- **improve** skills of both beginner and advanced imagers
- **practice** TEE guidance of structural heart interventions
- **test** the practical skills
- **protect** patients from unnecessary discomfort and harm

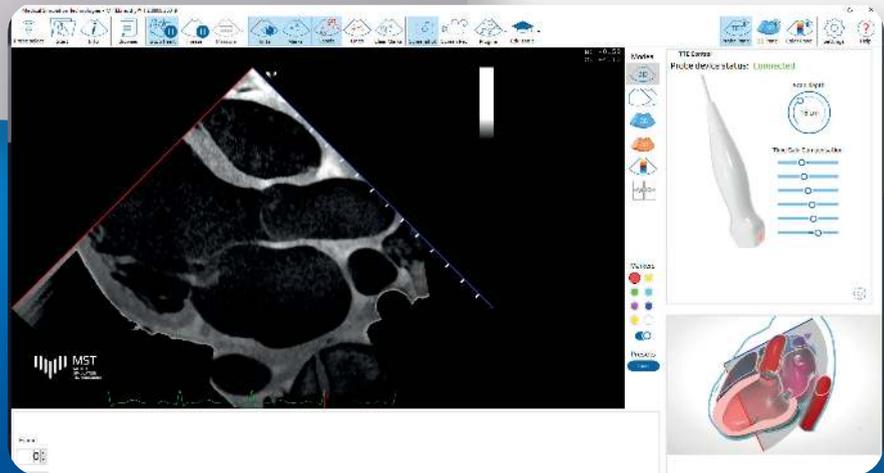


MrTEEmothy[®] advantages:

- CT-derived data with multiple true pathologies
- Realistic anatomy as opposed to virtual created models
- Biplane imaging (xPlane, multiD)
- 3D imaging
- MPR
- Probe position and orientation display (depth, bends, rotation, omniplane angle)
- ECHO panel mimicking a real ultrasound machine controller
- Easily transportable
- Appreciated by students, residents, cardiologists, anesthesiologists, technicians and biomedical engineers
- Ideal for the training of clinical specialists of the med-tech companies
- A platform for virtual simulations of structural procedures

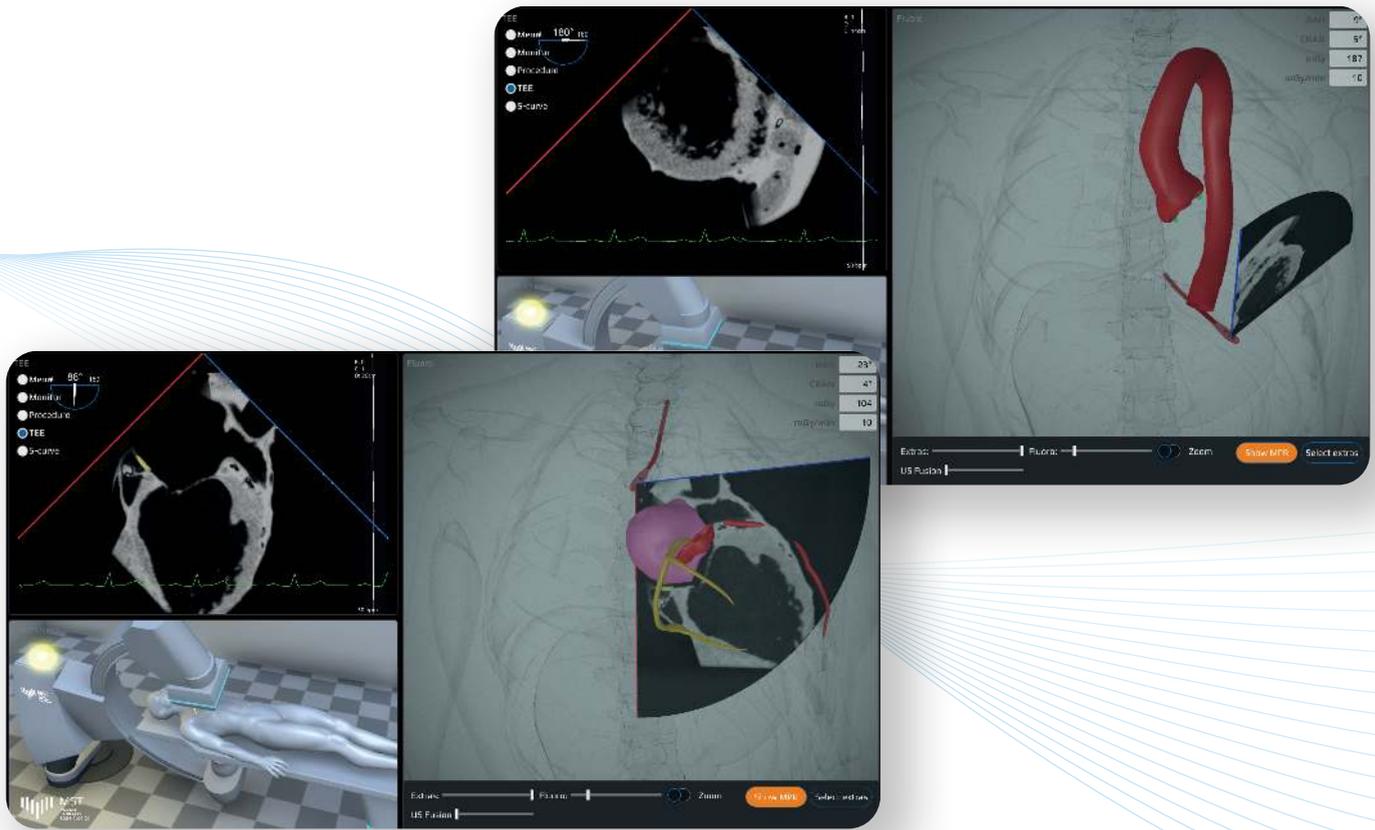


MrTEEmoathy® Family



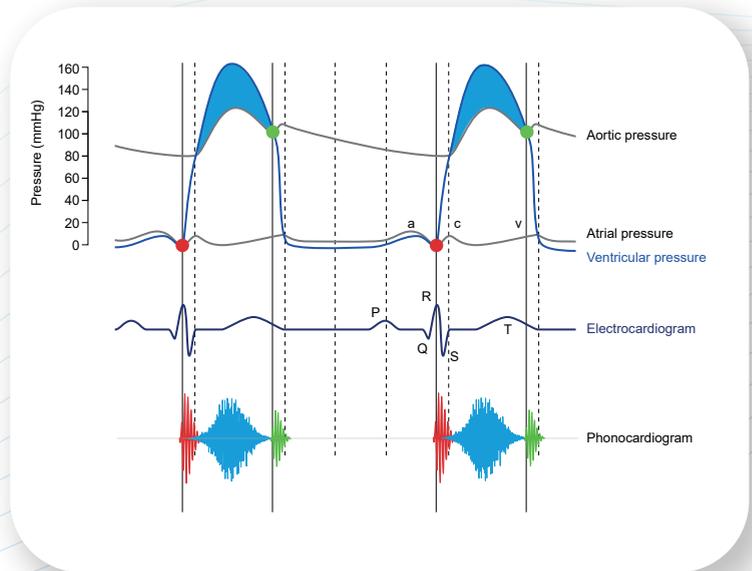
TTE simulator

Understand anatomy basics and integrate your imaging skills, regardless of modality



Fluoroscopy simulator

Fusion imaging: Fluoro and TEE explained together



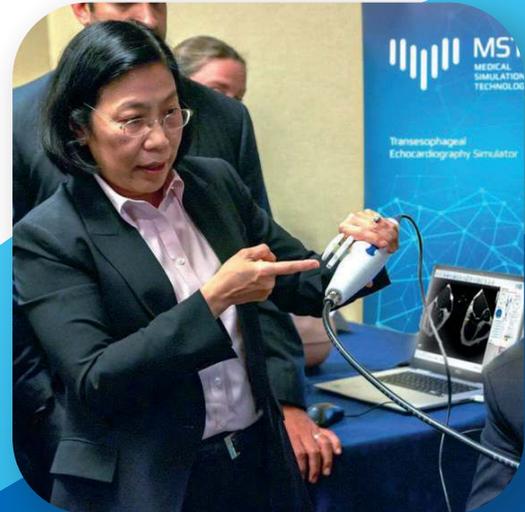
Auscultation Simulator

Learn auscultation skills from physiology to sounds and link it with imaging

Recommended by the world-class leaders

„Astounding simulator!”

*Rebecca T. Hahn, MD, FACC, FESC, FASE
Professor of Medicine at Columbia University, Irving
Medical Center in New York, and Chief Scientific Officer
of the Echo Core Lab at the Cardiovascular Research
Foundation.*



„Having worked on other simulators before I must say MrTEEmothy is the best TEE simulator. I recommend it for any institutions that are aiming to provide a high quality simulation-based training.”

*Dr. Hani Mahmoud Elsayed MBBCh, MSc, MD, FESC, FASE, FEACVI
Consultant Cardiologist, Director of Echocardiography Lab
Aswan Heart Centre, Magdi Yacoub Foundation, Aswan,
Egypt, CEO, Medical director of the Cardiac Investigation
Center (CIC), Cairo, Egypt*

Software and cases

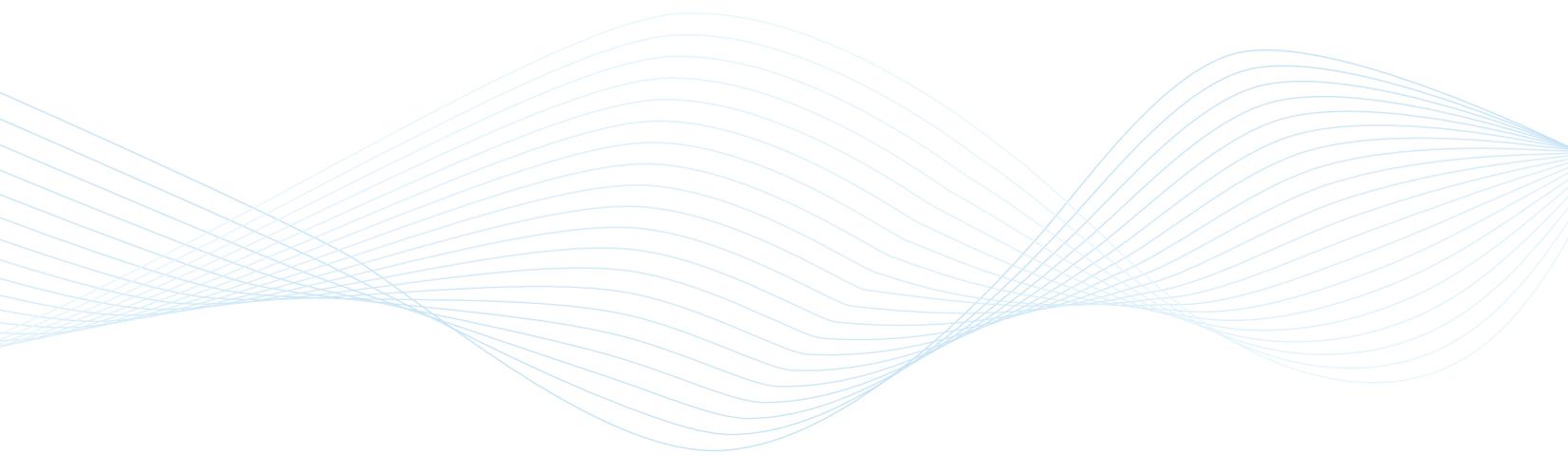
	Standard	Expert
2D imaging	•	•
Biplane imaging (xPlane, Multi D)	•	•
3D imaging (3D Zoom, Live 3D)		•
MPR		•
Color Doppler simulation package (2D and 3D)		•
Probe position and orientation indicators	•	•
Segmented model of the heart with 2D plane and probe visualization	•	•
Measurement package (distance, spline, area)	•	•
Screenshot or movie recording with USB export	•	•
Automatic visual identification of anatomical structures	•	•
Color enhancement helper allowing identification of anatomical elements (selected cases)		•
Esophagus perforation warning	•	•
User defined anatomical markers (active in all modes)	•	•
User defined three dimensional trajectories planning		•
Standard echo-views self-guiding tool		•
Automatic test of the view acquisition performance		•
Embedded camera for online tutoring		•
Number of cases (normal+pathological)*	1+1	1+5
Hardware guarantee and remote software upgrades	1 year	2 years

* Additional cases can be purchased and downloaded remotely

Hardware

	TEE	TTE	Synergy		
			TEE + TTE	TEE + TTE + Fluoroscopy	TTE + Auscultation tutor
The phantom	•	•	•	•	•
TEE probe	•		•	•	
TTE probe		•	•	•	•
Dedicated laptop with preinstalled software	•	•	•	•	•
ECHO keyboard panel with the trackball*	•	•	•	•	•
Control panel of the virtual C-arm				•	
Transportation case suitable for airplane	•	•	•	•	•
External screen HDMI output	•	•	•	•	•

* Only in EXPERT version



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