

3D Echocardiography: From Acquisition to Clinical Decisions
September 16-17, 2026
Colorado State University – Translational Medicine Institute | Fort Collins, CO

Sponsored by



Day 1 Wednesday, September 16, 2026		
Time (Mountain Time)	Topic	Presenter(s)
7:30 – 8:00 am	Registration	
8:00 – 8:10 am	Welcome and Introductions	<i>Dr. Giulio Menciotti</i>
8:10 – 9:00 am	Background and Technical aspects	<i>Dr. Giulio Menciotti</i>
9:00 – 9:50 am	Left atrial and left ventricular volumes	<i>Dr. Ingrid Ljungvall</i>
9:50 – 10:00 am	Break	
10:00 – 10:30 am	Three-dimensional assessment of cardiac function	<i>Dr. Ingrid Ljunvall</i>
10:30 – 11:30 am	Assessment of right atrium and right ventricle	<i>Dr. Giulio Menciotti</i>
11:30 – 12:30 pm	Clinical applicability of three-dimensional echocardiography	<i>Dr. Joao Orvalho</i>
12:30 – 1:30 pm	Lunch Break	
1:30 – 2:20 pm	Practical Session Instructions	<i>Dr. Giulio Menciotti Dr. Ingrid Ljungvall Dr. Joao Orvalho Dr. Bernard Chi Dr. Brianna Potter</i>
2:20 – 2:30 pm	Break	

Lab Partner



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Day 1 (Continued)
Wednesday, September 16, 2026

Time (Mountain Time)	Topic	Presenter(s)
2:30 – 5:30 pm	<p><u>5 Practical Session Stations: 75 minutes per rotation</u></p> <p>Station 1 (Workstation): Analysis of the mitral valve (TTE, TEE), Analysis of the left ventricle.</p> <p>Station 2 (Workstation): Analysis of the right ventricle, Atrial volume and generic volume measurements, Congenital measurements for device selection</p> <p>Station 3 (RT3D-TTE): Acquisition of 3DRT-TTE datasets for Full Volume analysis (1-beat, 4 beats), Basic Cropping, generate surgical MV view</p> <p>Station 4 (RT3D-TTE): Outflow tracts, Photorealistic Views, Multislice/multiplane</p> <p>Station 5 (RT3D-TEE): Visualization of the mitral valve, Intra-operative measurements of the mitral valve, Visualization of the interatrial septum (LA decompression, ASD occlusion), Visualization of the outflow tracts</p>	<p><i>Lab Instructors:</i> <i>Dr. Giulio Menciotti</i> <i>Dr. Ingrid Ljungvall</i> <i>Dr. Joao Orvalho</i> <i>Dr. Bernard Chi</i> <i>Dr. Brianna Potter</i></p> <p><i>Lab Assistants:</i> <i>Dr. Hyeon Jeong</i> <i>Dr. Bruna Del Nero</i></p>
5:30 – 7:00 pm	Welcome Reception	

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Day 2 Thursday, September 17, 2026		
Time (Mountain Time)	Topic	Presenter(s)
8:00 – 8:50 am	Valvular assessment and 3D Color Doppler	<i>Dr. Giulio Menciotti</i>
8:50 – 10:20 am	Three-dimensional transesophageal echocardiography	<i>Dr. Bernard Chi</i>
10:20 – 10:30 am	Break	
10:30 – 11:30 am	The interventional cardiologists' perspective (transthoracic and transesophageal)	<i>Dr. Brianna Potter</i>
11:30 – 12:30 pm	Clinical cases – examples	<i>Dr. Joao Orvalho</i>
12:30 – 1:30 pm	Lunch Break	

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Day 2 (Continued)
Thursday, September 17, 2026

Time (Mountain Time)	Topic	Presenter(s)
1:30 – 5:30 pm	<p><u>5 Practical Session Stations: 75 minutes per rotation</u></p> <p>Station 1 (Workstation): Analysis of the mitral valve (TTE, TEE), Analysis of the left ventricle.</p> <p>Station 2 (Workstation): Analysis of the right ventricle, Atrial volume and generic volume measurements, Congenital measurements for device selection</p> <p>Station 3 (RT3D-TTE): Acquisition of 3DRT-TTE datasets for Full Volume analysis (1-beat, 4 beats), Basic Cropping, generate surgical MV view</p> <p>Station 4 (RT3D-TTE): Outflow tracts, Photorealistic Views, Multislice/multiplane</p> <p>Station 5 (RT3D-TEE): Visualization of the mitral valve, Intra-operative measurements of the mitral valve, Visualization of the interatrial septum (LA decompression, ASD occlusion), Visualization of the outflow tracts</p>	<p><i>Lab Instructors:</i> Dr. Giulio Mencioti Dr. Ingrid Ljungvall Dr. Joao Orvalho Dr. Bernard Chi Dr. Brianna Potter</p> <p><i>Lab Assistants:</i> Dr. Hyeon Jeong Dr. Bruna Del Nero</p>
5:30 pm	Closing Remarks	

Lab Partner

