

# Procedural Planning with Cardiovascular Computed Tomography: TAVR and Beyond

Course Directors:

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## Friday, April 20, 2018: Post Processing Pre-Course

Begin	End	Session Topic
4:30 PM	5:00 PM	Registration
5:00 PM	5:15 PM	Data Visualization in Medical Imaging I : Introduction to Postprocessing techniques
5:15 PM	5:30 PM	Data Visualization in Medical Imaging II: Volume Rendering and Curved Planar Reformatting
5:30 PM	5:45 PM	Data Visualization In Medical Imaging III: Segmentation and Transfer Functions
5:45 PM	6:00 PM	Break/Refreshments
6:00 PM	6:30 PM	Hands On: Intuition Terarecon "Buttonology"
6:30 PM	7:00 PM	Hands On: Post Processing Exercises
7:00 PM	7:10 PM	Walk to Boone Center
7:10 PM	9:00 PM	Dinner and Reception at Boone Center

## Saturday, April 21, 2018: TAVR and Left Atrial Appendage

Begin	End	Session Topic
8:30 AM	9:30 AM	Breakfast at Track Kitchen
9:30 AM	10:00 AM	Keenland Tour
10:00 AM	10:30 AM	Registration
10:30 AM	10:45 AM	Acquisition Protocols for TAVR
10:45 AM	11:00 AM	Anatomy of the Aortic Root
11:00 AM	11:15 AM	Localization of the Annular Plane
11:15 AM	11:30 PM	Hands On: Localization of the Annular Plane
11:30 PM	11:45 PM	Intuition Workflow for Aortic Root
11:45 PM	12:30 PM	Hands On: Aortic Root
12:30 PM	1:30 PM	Catered Lunch: Kentucky Cooking from Ramsey's
1:30 PM	1:45 PM	Intuition Workflow for Iliofemoral Arteries
1:45 PM	2:30 PM	Hands On: Iliofemoral Arteries
2:30 PM	2:45 PM	Bicuspid Valve, Valve in Valve, and other Challenges
2:45 PM	3:00 PM	Hands On: Challenging Cases
3:00 PM	3:15 PM	Relationship of Postprocessing errors to TAVR complications
3:15 PM	4:00 PM	Hands On: Good Post Processing with Bad CT data
4:00 PM	4:30 PM	Espresso and Pie break: Starbucks Coffee and Missy's Pies
4:30 PM	4:45 PM	The TAVR Proceduralist's Wishlist
4:45 PM	5:00 PM	Anatomy of the Left Atrial Appendage
5:00 PM	5:15 PM	Procedures for Left Atrial Appendage Exclusion
5:15 PM	6:00 PM	Hands On: Left Atrial Appendage Workflow
7:00 PM	9:00 PM	Dinner and Bourbon Tasting. Venue to be announced (extra fee)

## Sunday, April 22, 2018: Surgical Planning for Congenital Heart Disease

Begin	End	Session Topic
9:00 AM	9:15 AM	Common Procedures, Pediatric and Adult Congenital Structural Heart Disease
9:15 AM	9:30 AM	Surgical Repair of the Bicuspid Aortic Valve
9:30 AM	9:45 AM	Planning Congenital Heart Disease Interventions I
10:00 AM	10:15 AM	Planning Congenital Heart Disease interventions II
10:15 AM	10:45 AM	Post Processing Workflow for Congenital Heart Disease
10:45 AM	11:00 AM	3D Printing for Congenital Heart Disease
11:00 AM	12:00 PM	Hands On: Congenital Heart Disease
12:00 PM	1:00 PM	Lunch at Boone Center
1:00 PM	2:00 PM	Hands On: Individualized instruction participant's preference

## Sunday, September 9, 2017: Post Course-Preview of Future Courses

Begin	End	Session Topic
2:30 PM	2:45 PM	TEVAR planning
2:45 PM	3:00 PM	EVAR planning
3:00 PM	3:15 PM	Mitral Valve
3:15 PM	3:30 PM	Pulmonary Valve
3:30 PM	3:45 PM	Merging Software
3:45 PM	4:00 PM	Simulation and Virtual Reality
	4:15 PM	Niche applications for volume visualization
	4:15 PM	End of Course