

BACK TO BASICS

12TH
ANNIVERSARY EDITION
2025

**SIMULATOR BASED SHORT COURSE ON BASICS OF
CARDIAC INTERVENTIONS
JANUARY 17TH, 18TH, 19TH 2025**

Organized by

**DEPARTMENT OF CARDIOLOGY
Sree Chitra Tirunal Institute
for Medical Sciences and Technology (SCTIMST)**

Venue

AMCHSS Auditorium, SCTIMST Trivandrum



Contact

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Dear Colleague,

After the positive feedback about the programs over the last 11 years, the Department of Cardiology SCTIMST, is planning to continue the training course "Back to Basics" in 2025. This upcoming hands-on training program will include topics such as cardiac catheterization, single and dual chamber pacemaker implantation, basics of pediatric cardiac intervention, and fundamentals of coronary imaging and physiology. Other highlights of the year's event include cardiac morphology by virtual CT and sessions that include training for DM/DNB examinations.

We invite you to participate actively and hope that the program benefits everyone by providing an opportunity to revise the basics.

Dr. Sanjay Behari
Director, SCTIMST
Patron

Dr. Krishnamoorthy K M
Sr. Prof & Former HOD
Department of Cardiology

Dr. Narayanan Namboodiri K K
Professor
Department of Cardiology

Dr. Harikrishnan S
Sr. Prof. & HOD of Cardiology
Organizing Secretary

The Highlights of the Course

- ◆ In-depth insight into interventional hardware
- ◆ Simulator sessions - Hands-on sessions with one to one guidance by faculty
- ◆ Femoral and radial coronary simulator session
- ◆ Pacemaker simulator session
- ◆ IVL - Intravascular lithotripsy
- ◆ Excimer Laser angioplasty
- ◆ Wet model rotablation simulator session
- ◆ FFR simulator session
- ◆ Bifurcation Models
- ◆ Femoral closure devices
- ◆ How to do a basic cath (hemodynamic) study (shunts, pressure recording, angiography)
- ◆ Session on ASD device closure
- ◆ IABP - Hands on trouble shooting
- ◆ FFR — Challenging cases and difficult scenarios
- ◆ IVUS, OCT Image interpretation sessions
- ◆ Impella
- ◆ ECMO
- ◆ Case In the Box Sessions - BMV, Transseptal puncture
- ◆ CT Based cardiac morphology-3D Anatomy sessions
- ◆ Hands on workshop - Wetlab (for 20 pre registered)



**COURSE BOOK
&
CD**

DAY-1 SESSIONS 17th January 2025 (Friday)

Simulator Session

Time	End Time	Topic	Speaker	Chair
1:30pm	4:30pm	Hardware Kiosk - Pediatric	Dr. Deepa S Kumar	
		Hardware Kiosk - Coronary	Dr. Shiji Thomas	
		Hardware Kiosk - Structural	Dr. Sravan Kumar G	
		Hardware Kiosk - Electrophysiology	Dr. Kakarla Sai Kiran	
		PCI- Radial - Practical Tips (Simulator based)	Dr. Vishnu S R	
		PCI - Femoral (Simulator based)	Dr. Ramya Das N K	
		Bifurcation PCI (Model based)	Dr. Abhilash SP	
		BMV - Case in the Box	Dr. Sanjay G	
		Tutorial - Femoral access and Closure Devices (Model based)	Dr. Karthikeyan	
		IVUS, NIRS - Image acquisition and Interpretation	Dr. Pooja Prasad	
		FFR Basics - How to do	Dr. Deepanjan Bhattacharya	
		Pacemaker simulator	Dr. Jyothi Vijay M.S	
		TAVR Simulation	Dr. Gurbhej Singh	
		Rotablation (Simulator based)	Dr. Sundaram Chandrasekar	
4:30pm	7:30pm	Master Class - Clinical Case Discussion	Moderator - Dr. M Zulfikar Ahmed	
4:30pm	5:30pm	Case presentation 1 (Multivalvar)		Dr. KG Balakrishnan Dr. K Suresh Dr. Rajasekhar
5:30pm	6:30pm	Case presentation 2 (Congenital Heart Disease)		Dr. Jaganmohan A. Tharakan Dr. Subramoniam Dr. M Zulfikar Ahammed Dr. Ramakrishna Pillai.V
6:30pm	7:30pm	Case presentation 3 (CAD complication - Heart Failure)		Dr. Thomas Titus Dr. AjitKumar V K Dr. Sunitha Viswanathan Dr. K Venugopal
7:30pm	8:30pm	Spotters (Angios / Hemodynamic tracings/ Images)	Dr. Harikrishnan.S	Dr. Jaganmohan A. Tharakan Dr. K Venugopal
9:00pm		Dinner		

DAY-2 SESSIONS 18th January 2025 (Saturday)

Simulator Session Starts (Asper schedule given to the participants)

Time	End Time	Topic	Speaker	Chair
8:00am	12:30pm	Hardware Kiosk - Coronary/ structural	Dr. Ali Shafeeq	
		Hardware - Pediatric	Dr. Arun Gopalakrishnan	
		Hardware Kiosk - Structural	Dr. Vishnu Kesavan	
		Hardware Kiosk - Electrophysiology	Dr. Jyothi Vijay M S	
		IABP - Lecdem	Dr. Ajeet Arulkumar	
		PCI - Radial - Practical Tips	Dr. Rohit Walse	
		PCI - Femoral (Simulator based)	Dr. Avinash Mani	
		Tutorial - Femoral access and Closure Devices (Model based)	Dr. S. Viswanatha Karthik	
		IVUS, NIRS -image acquisition and Interpretation	Dr. Mohamed Iliyas	
		Bifurcation PCI (Model/ Simulator Based)	Dr. Abhilash SP	
		BMV Case in the Box	Dr. Sanjay G	
		FFR - Practical tips	Dr. Dinesh Choudhary	
		Pacemaker simulator	Dr. Dibyaranjan Behera	
		TAVR Simulation	Dr. Amit Kumar Chaurasia	
		Rotablation (Simulator based)	Dr. Bhagawati Prasad Pant	
		Cardiac Morphology - Wetlab	Dr. Venkateswaran Dr. Harikrishnan KN	
		Cardiac Morphology - Virtual 3D session	Dr. Dinesh Raja	
12:30pm	1:30pm	Lunch		

DIDACTIC LECTURE SESSIONS

Session I

Time	End Time	Topic	Speaker	Chair
		Introductory Session		Dr. Krishnamoorthy KM Dr. M Zulfikar Ahamed Dr. Ramakrishna Pillai.V
1:30pm	1:45pm	Radiation Safety - What you should know	Dr. BRJ Kannan	
1:45pm	02:00pm	Angiography in Congenital Heart Disease	Dr. Sidharth Gadage	
2:00pm	2:20pm	Oximetry in Congenital Heart Disease	Dr. Sanjeev Naganur	
2:20pm	02:40pm	Hemodynamics of CCHD	Dr. Jaganmohan A. Tharakan	

Session II

		PCI The Basics		Dr. K Suresh Dr. Mohammed Najeeb Osman Dr. Ali Shafeeq
2:45pm	3:00pm	Guide catheters	Dr. Harikrishnan G	
3:00pm	3:15pm	Stents	Dr. Stigi Joseph	
3:15pm	3:30pm	Guide wires	Dr. Bhagawati Prasad Pant	
3:30pm	3:45pm	Coronary Balloons - Practical Aspects	Dr. Rohit Walse	
4:00pm		Inauguration - Dr. Sanjay Behari (Director SCTIMST) Dr. K Suresh Dr. KM Krishnamoorthy Dr. Narayanan Namboodiri KK Dr. Harikrishnan S		

Session III

4:30pm	5:15pm			Dr. Amit Kumar Chaurasia Dr. Gurbhej Singh
4:30pm	4:45pm	Calcium management in PCI - Rota, Orbital and IVL	Dr. Bijulal S	
4:45pm	5:00pm	TAVI BASICS	Dr. Gurbhej Singh	
5:00pm	5:15pm	Tricuspid and mitral Interventions - To the future	Dr. Amit Kumar Chaurasia	

Session IV

5:15pm	5:45pm			Dr. Geevar Zacharia Moderators - Dr. Anees Thajudeen Dr. Dibyanjan Behera
5:15pm	5:45pm	Interactive ECG Session	Dr. Narayanan Namboodiri K K	
5:45pm	6:15pm	ECG Session (pacemaker, intervention, Miscellaneous)	Dr. Mukund A Prabhu	
7:00pm		Dinner (Swasthy Hall SCTIMST)		
7:30pm		SCT Cardiology Alumni- General Body Meeting 2025 Hotel Mascot Trivandrum) - (Symphony hall), Followed by Faculty Dinner (Buses will leave to Macsot Hotel at 7 pm for faculty)		

DAY-3 SESSIONS 19th January 2025 (Sunday)

Session V

8:00am		QUIZ - IMAGES	Dr. Deepa S Kumar Dr. Arun Gopalakrishnan	Dr. BRJ Kannan
9:00am	10:30am	Coronary Intervention Techniques		Dr. Padmaja N P Dr. Arun SR Dr. Harihara Subramanya Sharma
9:00am	9:15am	PCI by Radial Route - All the Basics you should know	Dr. Rajpal K Abhaichand	
9:15am	9:30am	Primary PCI	Dr. Mukundan	
9:30am	9:45am	CTO Techniques	Dr. Byju CK	
9:45am	10:00am	Bifurcation PCI	Dr. KU Natarajan	
10:00am	10:30am	Tea Break		

Session VI

10:30am	11:45am	How to do it		Dr. Kiron S Dr. Krishnakumar K
10:30am	10:45am	FFR	Dr. Rajesh Muralidharan	
10:45am	11:00am	How to do a basic EP study	Dr. Bharatraj Banwalikar	
11:00am	11:15am	LBBS and his bundle pacing	Dr. Shanmuga Sundaram P	
11:15am	11:30am	ASD Device closure - Tips and Tricks	Dr. Krishnamoorthy K M	
11:30am	11:45am	Percutaneous VSD closure	Dr. Nageswara Rao K	

Session VII

11:45am	1:00pm			Dr. Abhilash SP Dr. Bijulal
11:45am	12:00pm	IVUS AND OCT Imaging Basics	Dr. Srinivasa Prasad	
12:00pm	1:00pm	How to prevent and manage complications (5 mins x 7 complications)		
		Femoral Access Complications	Dr. Sravan Kumar G	
		Coronary perforation	Dr. Avinash Mani	
		Stent dislodgement	Dr. Vishnu Kesavan	
		Pacemaker access site complications	Dr. Jyothi Vijay MS	
		Osteal Dissection	Dr. Ramyadas NK	
		Pediatric intervention related complications	Dr. Harikrishnan KN	
		Lead perforation - How to identify, how to avoid	Dr. Kakarla Sai Kiran	
1:30pm		Lunch		

Faculty

- ◆ Dr. Ajeet Arulkumar, Frontier Lifeline Hospital, Chennai
- ◆ Dr. Ajitkumar V K, KIMS Health, Trivandrum
- ◆ Dr. Ali Shafeeq, GM Hospital, Maldives
- ◆ Dr. Amit Kumar Chauraisa, BLK Hospital, New Delhi
- ◆ Dr. Anees Thajudeen, KIMS Hospital, Trivandrum
- ◆ Dr. Arun SRGeneral Hospital, Trivandrum
- ◆ Dr. Avinash Mani, Fortis Escorts Heart Institute, New Delhi
- ◆ Dr. Bharatraj Banwalikar, Sri Jayadeva Institute of Cardiovascular Sciences and Research, Bangalore
- ◆ Dr. Deepanjan Bhattacharya, AIIMS, Kalyani
- ◆ Dr. Byju CK Hearts, Malabar Hospital, Malappuram
- ◆ Dr. Dibyanjan Behera, AMRI Hospital Bhubaneswar, Odisha
- ◆ Dr. Dinesh Choudhary, Sardar Patel Medical College, Bikaner
- ◆ Dr. Geevar Zacharia, Mother Hospital, Thrissur
- ◆ Dr. Gurbhej Singh, Dayanand Medical College and Hospital, Ludhiana
- ◆ Dr. Harihara Subramanya Sharma, SK Hospital, Trivandrum
- ◆ Dr. Harikrishnan K N, SAT Hospital, Trivandrum
- ◆ Dr. Harikrishnan.G, RCPM Hospital, Ochira, Kollam
- ◆ Dr. Jagan Mohan Tharakan, Paalana Institute of Medical Sciences, Palakkad
- ◆ Dr. K G Balakrishnan, Former HOD Cardiology, SCTIMST
- ◆ Dr. K Suresh, S K Hospital, Trivandrum
- ◆ Dr. K U Natarajan, AIMS, Cochin
- ◆ Dr. K Venugopal, SP Medifort, Trivandrum
- ◆ Dr. Kiron S, SMIMS, Kanyakumari
- ◆ Dr. Krishnakumar K, PRS Hospital, Trivandrum
- ◆ Dr. M Zulfikar Ahamed, KIMS Health, Trivandrum
- ◆ Dr. Mohamed Iliyas A, Aster MIMS, Kottakkal
- ◆ Dr. Mukund A Prabhu, Kasturba Medical College, Manipal
- ◆ Dr. Mukundan C, Govt. Medical College Hospital, Thrissur
- ◆ Dr. Nageswara Rao K, Rainbow Children's Heart Institute, Hyderabad
- ◆ Dr. Padmaja N P, KIMS Health, Trivandrum
- ◆ Dr. Rohit Walse, Nandalal Dhoot, Sambhajinagar
- ◆ Dr. Rajasekhar D, SVIMS Tirupati, Andrapradesh
- ◆ Dr. Rajesh Muralidharan, BMH, Calicut
- ◆ Dr. Rajpal K Abhaichand, GKNM Hospital, Coimbatore
- ◆ Dr. Ramakrishna Pillai.V, KIMS Health, Trivandrum
- ◆ Dr. S Viswanatha Karthik, ANU Institute, Vijayavada
- ◆ Dr. Sanjeev Naganur, PGIMER, Chandigarh
- ◆ Dr. Shiji Thomas, Holy Family Hospital, Thodupuzha
- ◆ Dr. Shunmuga Sundaram P, Velammal Medical College Hospital Madurai
- ◆ Dr. Sidharth Gadage, Fabiani and Budhrani Heart Institute, Pune
- ◆ Dr. Sivasankaran S, Kasturba Medical College MAHE, Manipal
- ◆ Dr. Sravan Kumar G, AIMS, Mangalagiri
- ◆ Dr. Srinivasa Prasad, Chinmaya Narayana Superspeciality Centre, Bengaluru
- ◆ Dr. Stigi Joseph, Little Flower Hospital, Angamali
- ◆ Dr. Subramoniam, Senior Consultant Cardiologist, SIMS Hospital, Chennai.
- ◆ Dr. Sunitha Viswanathan, KIMS Health, Trivandrum
- ◆ Dr. Sundaram Chandrasekar, Trichy SRM Medical College Hospital, Trichy
- ◆ Dr. Thomas Titus, Cosmopolitan Hospital, Trivandrum
- ◆ Dr. Venkateswaran, Lakeshore Hospital, Ernakulam
- ◆ Dr. Vishnu Kesavan, Rajagiri Hospital, Ernakulam
- ◆ Dr. Vishnu S R, Caritas Hospital, Kottayam

Academic Partners

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- ◆ Heartwares Medical India Pvt. Ltd.
- ◆ Translumina Therapeutics
- ◆ USV Pvt Ltd.
- ◆ Asahi Intecc

Team SCTIMST

- ◆ Dr. Krishnamoorthy K M
- ◆ Dr. Harikrishnan S
- ◆ Dr. Narayanan Namboodiri
- ◆ Dr. Bijulal S
- ◆ Dr. Sanjay G
- ◆ Dr. Abhilash SP
- ◆ Dr. Deepa S Kumar
- ◆ Dr. Arun Gopalakrishnan
- ◆ Dr. Jyothi Vijay M S
- ◆ Dr. Ramya Das N K
- ◆ Dr. Pooja prasad
- ◆ Dr. Kakarla Sai Kiran
- ◆ Dr. Karthikeyan T
- ◆ Mr. Suji K



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