



BACK TO BASICS

13TH
ANNIVERSARY EDITION
2026

**SIMULATOR BASED SHORT COURSE ON BASICS OF
CARDIAC INTERVENTIONS
JANUARY 16TH, 17TH, 18TH 2026**

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

Venue
AMCHSS Auditorium, SCTIMST Trivandrum



Supported by
Sree Chitra Cardiology Alumni Association

Dear Colleague,

After the positive feedback about the programs over the last 12 years, the Department of Cardiology SCTIMST, is planning to continue the training course "Back to Basics" in 2026. 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. Suresh K
President Alumni Association
S K Hospital, Trivandrum

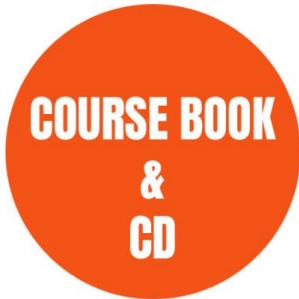
Dr. Krishnamoorthy K M
Sr. Prof & Former HOD
Department of Cardiology

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, IMR — 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 16th January 2026 (Friday)

Simulator Session 1

Time	End Time	Topic	Speaker
11.00 am	1.00 pm	Hardware Kiosk – Pediatric	Dr. Deepa S Kumar
		Hardware Kiosk – Coronary	Dr. Shiji Thomas
		Hardware Kiosk - Structural	Dr. Pulugundla Varun
		Hardware Kiosk - Electrophysiology	Dr. Nilesh Parshottambhai
		PCI- Radial - Practical Tips (Simulator based)	Dr. Vishnu Kesavan
		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. Gulbadin Mufti
		IVUS, NIRS -image acquisition and Interpretation	Dr. Shyam Sunder Reddy
		FFR Basics - How to do	Dr. Deepanjan Bhattacharya
		Pacemaker simulator	Dr. Jyothi Vijay M.S
		Rotablation (Simulator based)	Dr. Avinash Mani
1.00 pm -	1.30 pm	Lunch	

Simulator Session 2

Time	End Time	Topic	Speaker
1.30 pm -	4.00 pm	Hardware Kiosk – Pediatric	Dr. Vishnu SR
		Hardware Kiosk – Coronary	Dr. Bhagawati Pant
		Hardware Kiosk - Structural	Dr. Sravan Kumar G
		Hardware Kiosk - Electrophysiology	Dr. Shomu Bohora
		PCI- Radial - Practical Tips (Simulator based)	Dr. Karthik Sambataru
		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. Suyash Tripathi
		FFR Basics - How to do	Dr. Deepanjan Bhattacharya
		Pacemaker simulator	Dr. Bharatraj Banvalikar
		TAVR Simulation 3 sessions	Dr. Gurbhej Singh
		Rotablation (Simulator based)	Dr. Shyam Sunder Reddy
	3.45 pm	Virtual 3D CT Session with glasses	Dr. Saurabh Kumar Gupta

Master Class – Clinical Case Discussion

Time	End Time	Topic	Speaker	Chair
4.00 pm	4.15 pm	Tea Break		
4.15 pm	7.15 pm	Case presentation	Moderator – Dr. M Zulfikar Ahamed	EXAMINERS
4.15 pm	5:15 pm	Case presentation 1(Multivalvar)		Dr. KG Balakrishnan, Dr. K Suresh , Dr. Rajasekhar D, Dr. S Sivasankaran
5:15 pm	6:15 pm	Case presentation 2 (Congenital Heart Disease)		Dr. Jaganmohan A Tharakan, Dr. Subramoniam R Dr. M Zulfikar Ahammed, Dr. Ramakrishna Pillai.V
6.15 pm	6.45 PM	Short case presentation .1 (Ischemic heart disease)		Dr. Thomas Titus , Dr. Venugopal .K Dr. Sunitha Viswanathan
6.45pm	7.15 PM	Short case presentation . 2 (Structural heart disease)		Dr. Ajitkumar VK, Dr. Kader Muneer, Dr. Justin Paul
7.15 PM	8.15 PM	Spotters (Angios / Hemodynamic tracings/Images)	Dr. Harikrishnan.S	Moderator - Dr. Venugopal .K Dr . Rajasekhar D
	8.15PM	Dinner		

DAY-2 SESSIONS 17th January 2026 Saturday

Simulator Session Starts

Time	End Time	Topic	Speaker
08:00am	12:00pm	Hardware Kiosk – Coronary / structural	Dr. Ali Shafeeq
		Hardware – Pediatric	Dr. Arun Gopalakrishnan
		Hardware Kiosk - Structural	Dr. Vishnu Kesavan
		Hardware Kiosk - Electrophysiology	Dr. Sundaram Chandrasekhar
		IABP- Lecdem	Dr. Ajeet Arulkumar
		PCI – Radial - Practical Tips	Dr. Walse Rohit Sunil
		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. Mohammed Iliyas
		Bifurcation PCI (Model /Simulator Based)	Dr. Abhilash SP
		BMV Case in the Box	Dr. Sanjay G
		FFR - Practical tips	Dr. Bhavesh Harivadan
		Pacemaker simulator	Dr. Dibyaranjan Behera
		TAVR Simulation	Dr. Amit Kumar Chaurasia
		Rotablation (Simulator based)	Dr. Bhagawati Prasad Pant
		Gadgets to tackle complications - Snares, Baskets	Dr. Srinivasa Prasad
12.00 pm	12.30 pm	Virtual 3D CT Session with glasses	Dr. Saurabh Kumar Gupta
	12.30 pm	Lunch	

DIDACTIC LECTURE SESSIONS

Session I

Time	End Time	Topic	Speaker	Chair
1.15 pm	2.15 pm	Introductory Session		Dr. Geevar Zachariah, Padmaja NP
1.15 pm	1.30 pm	Angiography in Congenital Heart Disease	Dr. Edwin Francis	
1.30 pm	1.45 pm	Basic cath and oximetry	Dr. BRJ Kannan	
1.45 pm	2.00 pm	Hemodynamics of CCHD	Dr. Jaganmohan A Tharakan	

Session II

		PCI The Basics		Dr. Anil Bhat, Dr. Bhuvaneshwaran JS
2.15 pm	2.30 pm	Guide catheters	Dr. Hari Krishnan G	
2.30 pm	2.45 pm	Stents	Dr. Stigi Joseph	
2.45 pm	3.00 pm	Guide wires	Dr. Bhagawati Prasad Pant	
3.00 pm	3.15 pm	Balloons -Practical aspects	Dr. Walse Rohit Sunil	

Session III

				Moderator - Dr. Gurbhej Singh
3.15 pm	3.30 pm	TAVI BASICS	Dr. Amit Kumar Chauraisa	
3.30 pm	3.45 pm	Tricuspid and mitral Interventions – To the future	Dr. Suraj Narasimhan A	
3.45 pm	4.00 pm	Tea Break		

Session IV

				Dr. Anees T, Dr. Shomu Bohora
4.00 pm	4.30 pm	Interactive ECG Session	Dr. Narayanan Namboodiri KN	
4.30 pm	5.00 pm	ECG Session (pacemaker, intervention, Miscellaneous)	Dr. Shyamkumar Divakara Menon	

Swasthy Hall

5.30 pm 8.00 pm				
5.30 pm 8.00 pm		Wet Lab (Human Heart Dissection)	Dr. Venkateshwaran, Dr. Arun Gopalakrishnan Dr. Harikrishnan KN, Dr. Dinesh Raja, Dr. Arun Anirudhan V Dr. Sachin J Shenoy	
08.00 pm		Virtual 3D Session with glasses	Dr. Dinesh Raja, Dr. Arun Gopalakrishnan	
08.30pm		Dinner		

AMC Hall

5.30 pm 7.00 pm		Inauguration of SCT Cardiology Golden Jubilee celebration	Dr.Sanjay Behari Director,SCTIMST	Dr. Suresh K, Dr. Harikrashnan S Dr. Krishnamoorthy K M, Dr. Narayanan Namboodiri KN
		Down the memory lane	SCT Cardiology Alumni	
07.30 pm		SCT Cardiology Alumni- General Body Meeting 2026 (Hotel Mascot Trivandrum) – (Harmony hall), Followed by Faculty Dinner		(Buses will leave to Macsot Hotel at 7 pm for faculty)

DAY-3 SESSIONS 18th January 2026 Sunday

Session V

Time	End Time	Topic	Speaker	Chair
08:00 am		QUIZ - IMAGES	Dr. Deepa S Kumar, Dr. Sanjeev Naganur	Chair – Dr. BRJ Kannan , Dr. Harikrishnan S
09:00 am 10:30 am		Coronary Intervention Techniques		Dr. Arun SR, Dr. Harihara Subramanya Sharma
09:00 am	09:15 am	PCI by Radial Route-All the Basics you should know	Dr. Vinod Thomas	
09:15 am	09:30 am	Primary PCI	Dr. Rakesh Gopal	
09:30 am	09:45 am	PCI of Calcified Lesion	Dr. Rajiv C	
09:45 am	10:15 am	Tea Break		

Session VI

10:15 am 12:00 noon		How to do it		Dr. Kiron S, Dr. Krishnakumar K
10:15 am	10:30 am	FFR	Dr. Rajesh Muralidharan	
10:30 am	10:45 am	How to do a basic EP study	Dr. KU Natarajan	
10:45 am	11:00 am	LBBB and His bundle pacing	Dr.Shanmuga Sundaram P	
11:00 am	11:15 am	ASD Device closure -Tips and Tricks	Dr. Krishnamoorthy K M	
11:15 am	11:30 am	Percutaneous VSD closure	Dr. Nageswara Rao K	
11:30 am	11:45 am	IVUS AND OCT Imaging Basics	Dr. Srinivasa Prasad	
11:45 am	12:00 noon	Discussion		

Session VII

12:00noon 01:00 pm	12:00 noon	How to prevent and manage complications (5 mins x 7 complications)		Dr. Abhilash SP, Dr. KU Natarajan
		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.Bharatraj Banwalikar	
	01:00 pm	Lunch		

Faculty

- ◆ Dr Ajeet Arulkumar - Frontier Lifeline Hospital, Chennai
- ◆ Dr Ajitkumar V K - KIMS Health, Trivandrum
- ◆ Dr Ali Shafeeq - IGM Hospital, Maldives
- ◆ Dr Amit Kumar Chauraisa - BLK Hospital, New Delhi
- ◆ Dr Anees Thajudeen - KIMS Health, Trivandrum
- ◆ Dr Anil Bhat - MAX Hospital New Delhi
- ◆ Dr Arun Anirudhan V - BMT Wing SCTIMST Trivandrum
- ◆ Dr Arun SR - General Hospital, Trivandrum
- ◆ Dr Avinash Mani - Fortis Escorts Heart Institute, New Delhi
- ◆ Dr Bhagawati Prasad Pant - JIPMER, Puducherry
- ◆ Dr Bharatraj Banwalikar - Sri Jayadeva Institute of Cardiovascular Sciences and Research, Bangalore
- ◆ Dr Bhavesh Harivadan - Zydus Hospital Ahmedabad
- ◆ Dr. Bhuvaneshwaran JS - PSG Hospital Coimbatore
- ◆ Dr BRJ Kannan - Vadamalayan Hospital, Madurai
- ◆ Dr Deepanjan Bhattacharya - AIIMS, Kalyani
- ◆ Dr Dibyaranjan Behera - AMRI Hospital Bhubaneswar, Odisha
- ◆ Dr Edwin Francis - Aster Medcity Kochi
- ◆ Dr Geevar Zacharia - Mother Hospital, Thrissur
- ◆ Dr Gurbhej Singh - Christian Medical College and Hospital Ludhiana
- ◆ Dr Harihara Subramanya Sharma - SK Hospital, Trivandrum
- ◆ Dr Harikrishnan K N - SAT, Trivandrum
- ◆ Dr Harikrishnan.G - RCPM Hospital, Ochira, Kollam
- ◆ Dr Hemant Madan - Narayana superspeciality hospital, gurugram
- ◆ Dr Jagan Mohan Tharakan - Paalana Institute of Medical Sciences, Palakkad
- ◆ Dr Justin Paul - MMC Chennai
- ◆ Dr K Suresh - S K Hospital, Trivandrum
- ◆ Dr K U Natarajan - AIMS, Cochin
- ◆ Dr Kader Muneer - Medical College Calicut
- ◆ Dr Karthikeyan - Christian Medical College Vellore
- ◆ Dr KG Balakrishnan - Former HOD Cardiology SCTIMST
- ◆ 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 Nageswara Rao K - Rainbow Children's Heart Institute, Hyderabad
- ◆ Dr Nilesh Parshottambhai - Rhythm Retina Clinic Surat
- ◆ Dr Padmaja N P - KIMS Health, Trivandrum
- ◆ Dr Rajasekhar D - SVIMS Tirupati, Andrapradesh
- ◆ Dr Rajesh Muralidharan - BMH Calicut
- ◆ Dr Rajiv C - Aster Medcity Cochin
- ◆ Dr Rakesh Gopal - Apollo Hospital Chennai
- ◆ Dr Ramakrishna Pillai.V - KIMS Health, Trivandrum
- ◆ Dr S Viswanatha Karthik - ANU Institute, Vijayavada
- ◆ Dr Sachin J Shenoy - BMT Wing SCTIMST Trivandrum
- ◆ Dr Sanjeev Naganur - PGIMER, Chandigarh
- ◆ Dr Saurabh Kumar Gupta - AIIMS New Delhi
- ◆ Dr Shiji Thomas - Holy Family Hospital, Thodupuzha
- ◆ Dr Shomu Bohora - UN Mehta Ahmedabad
- ◆ Dr Shunmuga Sundaram P - Velammal Medical College Hospital Madurai
- ◆ Dr Shyam Sunder Reddy - Global Hospitals, Lakdikapool, Hyderabad
- ◆ Dr Sivasankaran S - Kasturba Medical College MAHE, Manipal
- ◆ Dr Sravan Kumar G - AIIMS, Mangalagiri
- ◆ Dr Srinivasa Prasad - Chinmaya Narayana Superspeciality Centre, Bengaluru
- ◆ Dr Stigi Joseph - Little Flower Hospital, Angamali
- ◆ Dr Subramoniam - SIMS Hospital, Chennai
- ◆ Dr Sundaram Chandrasekhar - Apollo hospitals, Trichy
- ◆ Dr Sunitha Viswanathan - Azzezia Medical College Kollam
- ◆ Dr Suraj Narasimhan A - Narayana institute of cardiac sciences, Bengaluru
- ◆ Dr Suyash Tripathi - BHU Hospital, VARANASI
- ◆ Dr Thomas Titus - Cosmopolitan Hospital, Trivandrum
- ◆ Dr Venkateshwaran - Lakeshore Hospital Kochi
- ◆ Dr Venugopal .K - S P Medifort Trivandrum
- ◆ Dr Vinod Thomas - Renai Medicity Kochi
- ◆ Dr Vishnu Kesavan - Rajagiri Hospital, Ernakulam
- ◆ Dr Vishnu S R - Caritas Hospital, Kottayam
- ◆ Dr Walse Rohit Sunil - Seth Nandalal Dhoot, Sambhajinagar

International Faculty

- ◆ Dr Shyamkumar Divakara Menon - Hamilton Health Science Canada

Academic Partners

- ◆ India Medtronic Pvt.Ltd.
- ◆ Terumo India Pvt. Ltd. & Cresta Medicare
- ◆ Abbott
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- ◆ Sahajanand Medical Technology Ltd.
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- ◆ Meril Life science India Pvt. Ltd.
- ◆ Heartwares Medical India Pvt. Ltd.
- ◆ Translumina Therapeutics
- ◆ USV Pvt Ltd.

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. Ashutosh Yadav
- ◆ Dr. Dinesh Raja P
- ◆ Dr. Gulbadin Mufti
- ◆ Dr. Pulugundla Varun
- ◆ Dr. Vandhanaa Natarajan
- ◆ Mr. Suji K



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