



BACK TO BASICS

**SIMULATOR BASED
SHORT COURSE ON BASICS OF
CARDIAC INTERVENTIONS
JANUARY 20TH, 21ST, 22ND 2023**

Venue

**AMCHSS Auditorium
SCTIMST Trivandrum**

Contact

**Dr. Harikrishnan S.
Professor in Cardiology
Sree Chitra Tirunal Institute for
Medical Sciences and Technology
Trivandrum, India - 695011
Mob : 9895 125 101,
7012 285 419
Email : drharikrishnan@outlook.com
basiccardiology@gmail.com**

**10TH
ANNIVERSARY EDITION
2023**

Organized by
**DEPARTMENT OF
CARDIOLOGY
Sree Chitra Tirunal Institute
for Medical Sciences
and Technology**

**CME
Credits-6 hrs**

Dear Colleague,

After the positive feedback about the programs over the last 9 years, the Department of Cardiology SCTIMST, is planning to continue the training course "Back to Basics" in 2023. After the lull of two years due to issues related to the Covid-19 pandemic, we are back with a bang. 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

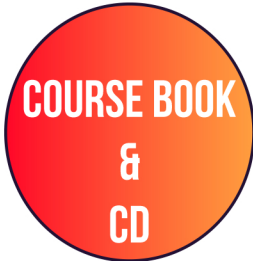
Dr. Ajit Kumar V.K
Sr. Prof. of Cardiology
Chairman, Scientific
Committee

Dr. Krishnamoorthy K M
Prof. & HOD of Cardiology

Dr. Harikrishnan S
Prof. 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- 20-01-2023

Time	End Time	Topic	Speaker	Chair
1.30 pm	04.30 pm	Simulator Session		
		Hardware Kiosk – Pediatric	Dr. Deepa S Kumar, Dr. Harikrishnan K.N	
		Hardware Kiosk – Coronary / structural –	Dr. Mohamed Iliyas A, Dr. Vishnu S	
		PCI- Radial - Practical Tips (Simulator based)	Dr. Raghuram A Krishnan	
		PCI – Femoral (Simulator based)	Dr. Walse Rohit Sunil	
		Access site – Radial access and Femoral Closure Devices (Model based)	Dr. Bhagagawati Prasad Pant	
		Bifurcation PCI (Model based)	Dr. Abhilash S P	
		BMV (Case in the Box)	Dr. Sanjay G	
		FFR (Simulator Based)	Dr. Rajesh Muralidharan	
		Pacemaker simulator	Dr. Jyothi Vijay, Dr. Saikiran Kakarla	
		TAVR Simulation	Dr. Bijulal. S, Dr. Gurbhej Singh	
		Rotablation (Simulator Based)	Dr. Bijulal. S	
04.30 pm	07.30 pm	Master Class (Moderated by Prof. Ajitkumar VK)		
04.30 pm	05.30 pm	Clinical Case Presentation:1		Dr. KG Balakrishnan, Dr. Ramakrishna Pillai V Dr. Suresh K, Dr. Padmaja NP
05.30 pm	06.30 pm	Clinical Case Presentation:2		Dr. Jagan Mohan Tharakan, Dr. Thomas Titus, Dr. M Zulfikar Ahammed, Dr. Sivasankaran S
06.30 pm	07.30 pm	Clinical Case Presentation:3		Dr. Anil Bhatt, Dr. G S Bhuvaneswar, Dr. Sunitha Viswanathan, Dr. Mohammed Najeeb
07.30 pm	08.30 pm	Spotters (Angios/Hemodynamics tracings/Images)	Dr. Harikrishnan S	
09.00 pm		Dinner		

Day 2- 21-01-2023

08.00 am	12.30 pm	Simulator Session (Starts as per schedule given to the participants)		
		Hardware Kiosk – Coronary / structural	Dr. Ali Shafeeq, Dr VishnuS	
		Hardware-Pediatric	Dr. Arun Gopalakrishnan Dr. Gousia Mukhtar	
		IABP-Lecdem	Dr. Ajeet Arulkumar	
		PCI- Radial - Practical Tips	Dr. Raghuram A Krishnan	
		PCI – Femoral (Simulator based)	Dr. Ramasubramanian N S	
		Access site – Radial access complication Femoral Closure Devices (Model based)	Dr. S. Viswanatha Kartik	
		Bifurcation PCI (Simulator and training model based)	Dr. Abhilash SP	
		BMV (Case in the Box)	Dr. Sanjay G	
		Coronary physiology - FFR/iFR/RFR	Dr. Rajesh Muralidharan	
		Pacemaker simulator	Dr. Dibyanjan Behera, Dr. Saikiran Kakarla	
		Cardiac Morphology - Virtual 3D session	Dr. Saurabh Kumar Gupta	
		TAVR Simulation	Dr. Gurbhej Singh	
		Rotablation (Simulator Based)	Dr. Bijulal S	
		Interventional cardiac anatomy - Wetlab	Dr. Sivakumar K	
12.30 pm	01.30 pm	Lunch		
		Didactic Lecture Sessions		
SESSION I		Introductory Session	Chair	Dr. Kiron S, Dr. Ajitkumar VK
01.30 pm	01.35 pm	Prelude to the Course	Dr. Harikrishnan S	
01.35 pm	01.50 pm	Radiation Safety - What you should know	Dr. Justin Paul G	
01.50 pm	02.05 pm	Angiography in Congenital Heart Disease	Dr. Balu Vaidyanathan	

Time	End Time	Topic	Speaker	Chair
02.10 pm	02-25 pm	Oximetry in Congenital Heart Disease	Dr. B R J Kannan	
02.30 pm	02.45 pm	Hemodynamics of CHD	Dr. Sivakumar K	
SESSION II		PCI The Basics	Chair	Dr. Rajesh Muralidharan, Dr. Ajeet Arulkumar
02.50 pm	03.05 pm	Guide catheters	Dr. Harikrishnan. G	
03.10 pm	03.25 pm	Stents	Dr. Stigi Joseph	
03.30 pm	03.45 pm	Guide wires	Dr. Rajeev E	
03.45 pm	04.00 pm	Balloons	Dr. Raghuram A Krishnan	
04.00 pm	04.30 pm	Inauguration		Dr. Sanjay Behari, Dr. Ajitkumar V.K, Dr. Krishnamoorthy, Dr. Suresh K, Dr. Harikrishnan. S
SESSION III			Chair	Dr. K Suresh, Dr. Ramsubramoniam
04.30 pm	04.45 pm	Newer Devices Tornus / Stingray / Angiojet /LASER	Dr. Rakesh Gopal	
04.50 pm	05.05 pm	Tricuspid and mitral Interventions – To the future	Dr. Amit Chaurasia	
05.10 pm	05.25 pm	TAVI BASICS	Dr. Gurbhej Singh	
06.45 pm	07.00 pm	SCT Cardio Alumni- General Body Meeting 2023 (Hotel Mascot Trivandrum)		
		Dinner Session I at Hotel Mascot Trivandrum	Moderators	Dr. Anees Thajudeen, Dr. Dibyaranjan Behera
07.00 pm	07.30 pm	Interactive ECG Session	Dr. Santhosh Kumar Dora.K	
07.30 pm	08.00 pm	ECG Session (pacemaker, intervention, Miscellaneous)	Dr. Narayanan Namboodiri K.K	
		Dinner Session II	Chair	Dr. Geevar Zacharia, Dr. Krishnakumar K
08.00 pm	08.30 pm	MRI, CT for PGs	Dr. Ajitkumar V.K	
08.30 pm	08.45 pm	Newer statistical techniques - A primer	Dr. Tiny Nair	
09.00 pm		Dinner		

Day 3- 22-01-2023

08 00 am	09.00am	QUIZ - IMAGES - Pediatrics	Dr. Deepa S Kumar, Dr. Arun Gopalakrishnan	Dr. Harikrishnan S
SESSION IV		Coronary Intervention Techniques	Chair	
09.00am	09.15 am	PCI by Radial Route -All the Basics you should know	Dr. Bhavesh Harivadan	
09.20 am	09.35 am	Primary PCI	Dr. Mukundan C	
09.40 am	09.55 am	CTO Techniques	Dr. Gopi A	
10.00 am	10.15 am	Bifurcation PCI	Dr. Rajiv C	
10.20 am	11.00 am	Tea Break		
SESSION V		How to do it	Chair	Dr. Nageswara Rao K, Dr. Krishnamoorthy KM
11.00 am	11.15 am	How to do a basic EP study	Dr. Natarajan K.U	
11.20 am	11.35 am	LBBS and His bundle pacing	Dr. Shanmuga Sundaram P	
11.40 am	11.55 am	ASD Device closure -Tips and Tricks	Dr. Krishnamoorthy K M	
12.00 am	12.15 pm	VSD closure, Coarctation Stenting	Dr. Nageswara Rao K	
SESSION VI		CHIP and Imaging	Chair	Dr. Gopi A, Dr. Rajiv C
12.20 pm	12.35 pm	IVUS AND OCT Imaging Basics	Dr. Srinivasa Prasad	
12.40 pm	12.55 pm	CHIP - the Basics	Dr. Manoj S	
12.55 PM	01.30 pm	How to prevent and manage complications(5 mins x 6 complications)	Dr. Walse Rohit Sunil, Dr. Bhagawati Prasad Pant, Dr. Ramasubramanian, Dr. S. Viswanatha Kartik, Dr. Ajeet Arulkumar, Dr. Jyothi Vijay,	Dr. Manoj S, Dr. KU Natarajan

Faculty

- ◆ Dr. Ajeet Arulkumar, Frontier Lifeline Hospital, Chennai
- ◆ Dr. Ali Shafeeq, IGM Hospital, Maldives
- ◆ Dr. Amit Kumar Chaurasia, BLK Hospital, New Delhi
- ◆ Dr. Anees Thajudeen, Meitra Hospital, Calicut
- ◆ Dr. Anil Bhatt, Max Hospital, New Delhi
- ◆ Dr. Balu Vaidyanathan, AIMS, Kochi.
- ◆ Dr. Bhavesh Harivadan, Zydus hospital, Ahmedabad
- ◆ Dr. BR J Kannan, Vadamalayan Hospital, Madurai
- ◆ Dr. Dibyaranjan Behera, AMRI Hospital, Bhuvaneshwar
- ◆ Dr. Bhuvaneshwaran J S, PSG Hospital, Coimbatore
- ◆ Dr. Geevar Zacharia , Mother Hospital, Thrissur
- ◆ Dr. Gopi A, Fortis hospital, Bengaluru
- ◆ Dr. Gurbhej Singh, CMC Hospital, Ludhiana
- ◆ Dr. Harikrishnan G, RCPM Hospital Ochira Kollam
- ◆ Dr. Harikrishnan K N, SAT Hospital, Trivandrum
- ◆ Dr. Jagan Mohan Tharakan, Former Director SCTIMST
- ◆ Dr. Justin Paul, MMC, Chennai
- ◆ Dr. K G Balakrishnan, Former HOD Cardiology SCTIMST
- ◆ Dr. K Suresh, S.K Hospital, Trivandrum
- ◆ Dr. K U Natarajan, AIMS, Cochin
- ◆ Dr. Kiron S, SMIMS, Kanyakumari
- ◆ Dr. Krishnakumar K, PRS Hospital, Trivandrum
- ◆ Dr. Mukundan C, Govt. Medical College, Thrissur
- ◆ Dr. Manoj S, Kauvery Hospital, Chennai
- ◆ Dr. Mohammed Najeeb, U.S.A
- ◆ Dr. Nageswara Rao K, Rainbow Heart Institute, Hyderabad
- ◆ Dr. Padmaja N P, KIMS Health, Trivandrum
- ◆ Dr. Rajeev E, MES Medical College, Perinthalmanna
- ◆ Dr. Rajesh Muralidharan, BMH, Calicut
- ◆ Dr. Rajiv C, Aster Medicity, Cochin
- ◆ Dr. Rakesh Gopal, Apollo Hospital, Chennai
- ◆ Dr. Ramakrishna Pillai.V, KIMS Health, Trivandrum
- ◆ Dr. Ramasubramanian N S ,Erode Medical Centre, Erode
- ◆ Dr. Raghuram A Krishnan, Starcare Hospital, Calicut
- ◆ Dr. S. Viswanatha Kartik ,ANU Institute, Vijayawada
- ◆ Dr. Santhosh Dora, Asian Heart Institute, Mumbai
- ◆ Dr. Saurabh Kumar Gupta, AIIMS, New Delhi
- ◆ Dr. Shunmuga Sundaram P, VMC Hospital Madurai
- ◆ Dr. Sivakumar K, Madras Medical Mission Chennai
- ◆ Dr. Sivasankaran S, KMC, MAHE, Manipal
- ◆ Dr. Srinivasa Prasad, Chinmaya Narayana, Bengaluru
- ◆ Dr. Stigi Joseph, Little Flower Hospital, Angamali
- ◆ Dr. Sunitha Viswanathan, KIMS Health, Trivandrum
- ◆ Dr. Thomas Titus, Cosmopolitan Hospital, Trivandrum
- ◆ Dr. Tiny Nair, PRS Hospital, Trivandrum
- ◆ Dr. Zulfikar Ahamed, KIMS Health, Trivandrum

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Team SCTIMST

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|----------------------------|----------------------------|------------------------|
| ◆ Dr. Ajit Kumar V K | ◆ Dr. Abhilash SP | ◆ Dr. Jyothi Vijay M S |
| ◆ Dr. Krishnamoorthy K M | ◆ Dr. Deepa S Kumar | ◆ Dr. Saikiran Kakarla |
| ◆ Dr. Harikrishnan S | ◆ Dr. Arun Gopalakrishnan | ◆ Dr. Gousia Mukhtar |
| ◆ Dr. Narayanan Namboodiri | ◆ Dr. Mohamed Ilyas A | ◆ Mr. Suji K |
| ◆ Dr. Bijulal S | ◆ Dr. Walse Rohit Sunil | ◆ Dr. Vishnu K |
| ◆ Dr. Sanjay G | ◆ Dr. Bhagwati Prasad Pant | |



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