BACK TO BASICS

2018
Short Course on Basics of Cardiac Interventions
20 & 21 January 2018

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

Venue
AMCHSS Auditorium

Contact
Dr. Harikrishnan S.
Professor in Cardiology
Sree Chitra Tirunal Institute for Medical Sciences and Technology
Trivandrum, India - 695011
Mob : 98951-25101,
Email : drharikrishnan@outlook.com
Dear Colleague,

After the positive feedback about the programme in the last 6 years, Department of Cardiology SCTIMST, is planning to continue the training course “Back to Basics” in 2018 also. This year also we have decided to include topics like basic cardiac catheterisation, single and dual chamber pacemaker implantation, basics in pediatric cardiac intervention and basics of FFR. This year we are including DM/DNB exam training session also.

We invite you to the program and we hope that we all will definitely benefit by participating and be able to brush up the basics.

Dr. Asha Kishore  
Director, SCTIMST  
Patron

Dr. Ajitkumar V.K  
Prof. & HOD of cardiology

Dr. Sivasankaran S  
Prof. 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
  - Wet model rotablation simulator session
  - FFR simulator session (First time in India)
  - LA appendage closure simulator
- How to do a basic cath (hemodynamic) study (Shunts, pressure recording tips)
- How to implant a permanent pacemaker – tips and tricks
- Session on ASD device closure
- IABP - Hands on trouble shooting
- FFR – Challenging cases and difficult scenarios
- IVUS – Image interpretation sessions
- IABP – Lecture-demonstration
- Case In the Box Session (BV)
## Simulator Session 2018 - Schedule

**Day 1 - 20.01.2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.00 am</td>
<td>Simulator session starts (as per schedule given to the participants)</td>
<td>Faculty</td>
<td>Dr. Krishnakumar M</td>
</tr>
<tr>
<td></td>
<td>Hardware Kiosk</td>
<td>Faculty</td>
<td>Dr. Deepa SK</td>
</tr>
<tr>
<td></td>
<td>IABP - Leccdem</td>
<td>Faculty</td>
<td>Dr. Arun Gopalakrishnan</td>
</tr>
<tr>
<td></td>
<td>PCI - Radial, Femoral</td>
<td>Faculty</td>
<td>Dr. Ajeet Arulkumar</td>
</tr>
<tr>
<td></td>
<td>BMV</td>
<td>Faculty</td>
<td>Dr. Bijulal S</td>
</tr>
<tr>
<td></td>
<td>FFR</td>
<td>Faculty</td>
<td>Case in the Box</td>
</tr>
<tr>
<td></td>
<td>Pacemaker simulator</td>
<td>Faculty</td>
<td>Dr. Rajesh Muralidharan</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Faculty</td>
<td>Dr. Harikrishnan S</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Faculty</td>
<td>Dr. Abhilash S P</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Krishnakumar M</td>
<td></td>
</tr>
</tbody>
</table>

**Session I**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>02.00 PM - 02.05 PM</td>
<td>Introduction to the course</td>
<td>Chair</td>
<td>Dr. Thomas Titus</td>
</tr>
<tr>
<td>02.05 PM - 02.20 PM</td>
<td>Radiation Safety - What you should know</td>
<td>Speaker</td>
<td>Dr. Harikrishnan S</td>
</tr>
<tr>
<td>02.20 PM - 02.40 PM</td>
<td>Angiography - the basics</td>
<td>Speaker</td>
<td>Dr. Justin Paul</td>
</tr>
<tr>
<td>02.40 PM - 03.00 PM</td>
<td>Oximetry in CHD</td>
<td>Speaker</td>
<td>Dr. Ramakrishna Pillai</td>
</tr>
<tr>
<td>03.00 PM - 03.20 PM</td>
<td>Hardware in PCI</td>
<td>Chair</td>
<td>Dr. Ramakrishna Pillai</td>
</tr>
<tr>
<td>03.20 PM - 03.40 PM</td>
<td>Guide catheters</td>
<td>Speaker</td>
<td>Dr. Vinod Thomas</td>
</tr>
<tr>
<td>03.40 PM - 04.00 PM</td>
<td>Guide wires</td>
<td>Speaker</td>
<td>Dr. Balakrishnan K.P</td>
</tr>
<tr>
<td>04.00 PM</td>
<td>Inauguration - Dr. Asha kishore (Director SCTIMST)</td>
<td>Speaker</td>
<td>Dr. Stijimon Joseph</td>
</tr>
<tr>
<td>04.30 PM - 04.50 PM</td>
<td>Stents</td>
<td>Speaker</td>
<td>Dr. Krishnakumar K</td>
</tr>
<tr>
<td>04.50 PM - 05.10 PM</td>
<td>Newer Devices</td>
<td>Speaker</td>
<td>Dr. Rakesh Gopal</td>
</tr>
<tr>
<td>05.10 PM - 05.30 PM</td>
<td>Pacemaker / Device parameters - Demystified</td>
<td>Speaker</td>
<td>Dr. Shomu Bohora</td>
</tr>
<tr>
<td>05.30 PM - 05.50 PM</td>
<td>TAVI Basics</td>
<td>Speaker</td>
<td>Dr. Amit Chaurasia</td>
</tr>
<tr>
<td>06.45 PM</td>
<td>SCT Cardio Alumni - General Body Meeting 2018 (Hotel Mascot Trivandrum)</td>
<td>Chair</td>
<td>Dr. Suresh K Dr. Ajit kumar VK</td>
</tr>
</tbody>
</table>

**Day 2 - 21.01.2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.00 AM</td>
<td>Quiz Images in cardiology</td>
<td>Chair</td>
<td>Dr. KU Natarajan, Dr. Rajpal K</td>
</tr>
<tr>
<td>08.30 AM - 09.00 AM</td>
<td>Coronary Intervention Techniques</td>
<td>Speaker</td>
<td>Dr. Rajpal K</td>
</tr>
<tr>
<td>09.00 AM - 09.20 AM</td>
<td>PCI by Radial Route - All the Basics you should know</td>
<td>Speaker</td>
<td>Dr. Rajeev E</td>
</tr>
<tr>
<td>09.20 AM - 09.40 AM</td>
<td>Primary PCI</td>
<td>Speaker</td>
<td>Dr. Pradeep Kumar D</td>
</tr>
<tr>
<td>09.40 AM - 10.00 AM</td>
<td>Graft PCI</td>
<td>Speaker</td>
<td>Dr. Byju C.K.</td>
</tr>
<tr>
<td>10.00 AM - 10.20 AM</td>
<td>CTO Techniques</td>
<td>Speaker</td>
<td>Dr. Sunita Viswananth</td>
</tr>
<tr>
<td>10.20 AM - 10.40 AM</td>
<td>Bifurcation PCI</td>
<td>Speaker</td>
<td>Dr. Kalyani C.S.</td>
</tr>
<tr>
<td>10.40 AM - 11.10 AM</td>
<td>Tea Break</td>
<td>Chair</td>
<td>Dr. Deepa S Kumar, Dr. Arun G</td>
</tr>
<tr>
<td>11.10 AM - 11.30 AM</td>
<td>Neonatal interventions</td>
<td>Speaker</td>
<td>Dr. K.Sivakumar</td>
</tr>
<tr>
<td>11.30 AM - 11.50 AM</td>
<td>How to do a basic EP study</td>
<td>Speaker</td>
<td>Dr. KU Natarajan</td>
</tr>
<tr>
<td>11.50 AM - 12.10 PM</td>
<td>Valve interventions</td>
<td>Speaker</td>
<td>Dr. Kiron. S</td>
</tr>
<tr>
<td>12.10 PM - 12.30 PM</td>
<td>ASD Device closure - Tips and Tricks</td>
<td>Speaker</td>
<td>Dr. Krishnamoorthy K M</td>
</tr>
<tr>
<td>12.30 PM - 01.30 PM</td>
<td>Lunch Break</td>
<td>Chair</td>
<td>Dr. Vinod Thomas</td>
</tr>
</tbody>
</table>

**Session V**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.10 AM - 11.30 AM</td>
<td>Neonatal interventions</td>
<td>Speaker</td>
<td>Dr. K.Sivakumar</td>
</tr>
<tr>
<td>11.30 AM - 11.50 AM</td>
<td>How to do a basic EP study</td>
<td>Speaker</td>
<td>Dr. KU Natarajan</td>
</tr>
<tr>
<td>11.50 AM - 12.10 PM</td>
<td>Valve interventions</td>
<td>Speaker</td>
<td>Dr. Kiron. S</td>
</tr>
<tr>
<td>12.10 PM - 12.30 PM</td>
<td>ASD Device closure - Tips and Tricks</td>
<td>Speaker</td>
<td>Dr. Krishnamoorthy K M</td>
</tr>
<tr>
<td>12.30 PM - 01.30 PM</td>
<td>Lunch Break</td>
<td>Chair</td>
<td>Dr. Vinod Thomas</td>
</tr>
</tbody>
</table>
### Session VI
- **Physiology, imaging and Rotablation**
  - **Time:** 01.30 PM - 01.50 PM
  - **Topic:** IVUS and OCT Imaging
  - **Chair:** Dr. Mukundan C, Dr. Natarajan K.U
  - **Speaker:** Dr. Ajitkumar VK
  - **Time:** 01.50 PM - 02.10 PM
  - **Topic:** Rotablation
  - **Chair:** Dr. Natarajan K.U
  - **Speaker:** Dr. Rajpal K
  - **Time:** 02.10 PM - 02.30 PM
  - **Topic:** FFR
  - **Chair:** Dr. Harikrishnan S
  - **Speaker:** Dr. Bijulal S
  - **Time:** 02.30 PM - 03.00 PM
  - **Topic:** Tea Break
  - **Chair:** Dr. Harikrishnan C
  - **Speaker:** Dr. Mukundan C
  - **Topic:** Managing the complications
  - **Chair:** Dr. Harikrishnan S
  - **Speaker:** Dr. Abhilash S.P
  - **Time:** 03.00 PM - 03.15 PM
  - **Topic:** Stent dislodgement
  - **Chair:** Dr. Harikrishnan S
  - **Speaker:** Dr. Raghuram AK
  - **Time:** 03.15 PM - 03.30 PM
  - **Topic:** Ostial Dissection
  - **Chair:** Dr. Harikrishnan S
  - **Speaker:** Dr. Mukundan C
  - **Time:** 03.30 PM - 03.45 PM
  - **Topic:** Perforation
  - **Chair:** Dr. Harikrishnan S
  - **Speaker:** Dr. Mukundan C
  - **Time:** 03.45 PM - 04.00 PM
  - **Topic:** Access site complications
  - **Chair:** Dr. Harikrishnan S
  - **Speaker:** Dr. Mukundan C
  - **Time:** 04.00 PM
  - **Topic:** Feedback and Valedictory Function
  - **Chair:** Dr. Harikrishnan S
  - **Speaker:** Dr. Mukundan C

### Faculty
- Dr. Ajitkumar V K, SCTIMST, Trivandrum
- Dr. Amit Kumar Chaurasia, BLK Hospital, Delhi
- Dr. Ajitkumar Arulkumar, Frontier Lifeline Hospital, Chennai
- Dr. Balakrishnan K P, Alshifa Hospital, Perintalmanna
- Dr. B R J Kannan, Vadamarayyan Hospital, Madurai
- Dr. Kiron S, SMIMS, Kukasekharam
- Dr. K. Sivakumar, MMM Hospital, Chennai
- Dr. Mukundan C, MCH Medical College Hospital, Thrissur
- Dr. Pradeep Kumar D, Aster CMI Hospital, Bangalore
- Dr. Rakesh Gopal, Apollo Hospital, Chennai
- Dr. Raghuram A. Krishnan, Starcare Hospital, Calicut
- Dr. Stigi Joseph, Little Flower Hospital, Angamali
- Dr. Suresh K, S K Hospital, Trivandrum
- Dr. Vinod Thomas, Renai Medicity, Kochi
- Dr. Jaganmohan Tharakan, PK DAS Institute of Medical sciences, Palakkad
- Dr. Byju C K, Hearts Malabar Hospital
- Dr. Harikrishnan G, RCPM Hospital, Ochira Kollam
- Dr. Justin Paul, MMC Chennai
- Dr. Krishnakumar K, PRS Hospital, Trivandrum
- Dr. Natarajan K U, AIMS, Cochin
- Dr. Rajeev E, MES Medical college, Perinthalmanna
- Dr. Rajesh Muralidharan, BNM, Calicut
- Dr. Rajpal K Abhaichand, GKNM, Coimbatore
- Dr. Ramakrishna Pillai, KIMS Hospital, Trivandrum
- Dr. Shomu Bohora, Baroda Heart Institute, Gujarat
- Dr. Sunitha Viswanathan, MCH, Trivandrum
- Dr. Thomas Titus, G G Hospital, Trivandrum
- Dr. Venugopal K, Pushpagiri Hospital, Thiruvalla

### Team SCTIMST
- Dr. Sivasankaran S
- Dr. Narayanan Namboodiri
- Dr. Abhilash S P
- Dr. Arun Gopalakrishnan
- Dr. Krishnamoorthy K M
- Dr. Bijulal S
- Dr. Krishna Kumar M
- Mr. Suji K
- Dr. Harikrishnan S
- Dr. Sanjay G
- Dr. Deepa S Kumar

### Academic Partners

<table>
<thead>
<tr>
<th>Medtronic</th>
<th>Kaizzen Medical Pvt. Ltd</th>
<th>Boston Scientific</th>
<th>Abbott Vascular</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biotronik Medical Devices India Pvt Ltd</td>
<td>Veiva Scientific India Pvt Ltd</td>
<td>Heartwares Medicals India Pvt Ltd</td>
<td>Heartwares Medicals India Pvt Ltd</td>
</tr>
<tr>
<td>Meril Life Sciences India Pvt Ltd</td>
<td>St. Jude Medicals</td>
<td>Sun Pharma</td>
<td>Sun Pharma</td>
</tr>
<tr>
<td>Vasmed Technologies</td>
<td>Vascular Concepts</td>
<td>Sahajanand Medical Technologies Pvt Ltd</td>
<td>Sahajanand Medical Technologies Pvt Ltd</td>
</tr>
<tr>
<td>Cardio Care</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>