



3rd CHIP-CTO INDIA 2021



5th Friday – 7th Sunday, February 2021

ALIGN ONLINE

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‘Established International Greats
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Society for Cardiovascular
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THE WORLDS MOST RENOWNED CHIP FACULTY TOGETHER ON ONE PLATFORM



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USA



Dr Daniel Burkhoff
USA



Dr Aaysha Cader
Bangladesh



Dr Rustem Dautov
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Dr Adam Greenbaum
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Dr Jonathan Hill
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Dr Amir Kaki
USA



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Dr Kathleen Kearney
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Dr Michael Lee
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Dr Arasi Maran
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Dr James McCabe
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Dr Peter-O'kane
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Dr Duane Pinto
USA



Dr Binita Shah
USA



Dr Teguh Santosh
Indonesia



Dr Satoru Sumitsuji
Japan



Dr Raj Tayal
International Course
Director, USA



Dr Beatriz Vaquerizo
Spain

PROGRAMME

Day 1			February 5th Friday 2021	
1700-1800 IST			THE CHIP GRAND ROUNDS 20 MOST EDUCATIONAL AND COMPLEX CASES FROM NATIONAL AND INTERNATIONAL EXPERTS (IFACI MASTER OPERATOR AWARD SESSION)	
Chairperson: Kirti Punamiya, Subhash Chandra				
Discussants: Vimal Mehta, Roopali Khanna, Vivudh Pratap Singh, Saket Bhardwaj, Gajinder Goyal, Neeraj Jain				
1700 - 1701	1 min	Welcome Address		
1701 - 1712	6 min 5 min	Trans-radial multi-vessel PCI to RCA, OM & CTO LAD in dextrocardia	Aaysha Cader	
Discussion and audience interaction				
1713 - 1724	6 min 5 min	The nightmare of Rotational Atherectomy	Ajay Raj	
Discussion and audience interaction				
1725 - 1736	6 min 5 min	When Rotablation failed in super calcific RCA	Anil Kumar	
Discussion and audience interaction				
1737 - 1748	6 min 5 min	PCI of CTO LCX by Retrograde Approach	Anupam Jena	
Discussion and audience interaction				
1749 - 1800	6 min 5 min	LM Aneurysm Coiling	Chirag D	
Discussion and audience interaction				
1800-1900 IST				
Chairperson: Vijay Trehan, S Manoj, SS Bansal				
Discussants: Parneesh Arora, Sanjay Kumar, Syed Maqbool, Sarita Rao, Tarun Kumar				
1800 - 1801	1 min	Introduction		
1801 - 1812	6 min 5 min	Do not Underestimate for Short tapered CTO	Dian Setiawan	
Discussion and audience interaction				
1813 - 1824	6 min 5 min	Bailout Left Main Bifurcation	Ankush Gupta	
Discussion and audience interaction				
1825 - 1836	6 min 5 min	Distal LMCA bifurcation (1,1,1) disease- How to approach? provisional vs upfront 2-stent strategy?	Kunal Mahajan	
Discussion and audience interaction				
1837 - 1848	6 min 5 min	Balloon and Microcatheter uncrossable CTO - Is Rotablation a way out?	Tanuj Bhatia	
Discussion and audience interaction				
1849 - 1900	6 min 5 min	IVL ASSISSTED LM STENTING IN A CASE OF STEMI	Prashant Panda	
Discussion and audience interaction				
1900-2000 IST				
Chairperson: Nishith Chandra, PK Hazra, Tapan Ghose				
Discussants: Sunitha Vishwanathan, Sridhar Kasturi, Rishi Gupta, Saurabh Mehrotra, Vikas Chopra				
1900 - 1901	1 min	Introduction		
1901 - 1912	6min 5 min	A backdoor guidance to break forward	Prayaag Kini	
Discussion and audience interaction				
1913 - 1924	6 min 5 min	Iatrogenic Coronary Artery Ostial dissection:Nightmare in Cath Lab	Punish Sadana	
Discussion and audience interaction				
1925 - 1936	6 min 5 min	Managing Complications and Nightmare- SVG PERFORATION	Raghav Sharma	
Discussion and audience interaction				
1937 - 1948	6 min 5 min	MULTIVESEEL WITH LEFT MAIN INTERVENTION WITH OCT	Ranjan Modi	
Discussion and audience interaction				
1949 - 2000	6 min 5 min	Stenting of Left Main Bifurcation Lesion using Double Kissing Coulotte's Technique	Rohit Mody	
Discussion and audience interaction				
2000-2100 IST				
Chairperson: Praveer AgarwalRoopa Salwan, Arun Kalyansundaram, Viveka Kumar, Rajesh Vijayvargiya				
Discussants: Vikas Kataria, Nagender Chauhan, Naveen Bhamri, Syed Maqbool, Rakesh Sapra, Rakesh Aseri				
2000 - 2001	1 min	Introduction		
2001 - 2012	6 min 5 min	Double HIT	Sanjeev Kathuria	
Discussion and audience interaction				
2013 - 2024	6 min 5 min	Large proximal LAD perforation managed by Covered stent	Shakil Shaikh	
Discussion and audience interaction				
2025 - 2036	6 min 5 min	HOW TIMELY INTERVENTION SAVED A LIFE	Siddharth Bajaj	
Discussion and audience interaction				
2037 - 2048	6 min 5 min	IABP support during pci "TIME OF INSERTION MATTERS THE MOST"	Sriram V	
Discussion and audience interaction				
2049 - 2100	6 min 5 min	Trifurcation	Yunus Loya	
Discussion and audience interaction				

Day 2

February 6th Saturday 2021

1500-1600 IST

TOUGHEST CALLS DURING CHIP INTERVENTION

Chairperson: Samuel Mathew, Sidney Lo

Discussants: Ashok seth, Michael Lee, Ajit Menon, Sreenivas Kumar, Sanjay Chugh, Deepak Davidson

1500 - 1508

8 min

Welcome Address

1508 - 1521

9 min

Uncrossable Side Branch

Michael Liang

4 min

Discussion and audience interaction

1521 - 1534

9 min

The Hugest Thrombus Burden

Michael Lee

4 min

Discussion and audience interaction

1534 - 1547

9 min

Toughest Call of Rotational Atherectomy including Stuck Burr

Samuel Mathew

4 min

Discussion and audience interaction

1547 - 1600

9 min

Wire Crossable Device Uncrossable Lesion

Rustem Dautov

4 min

Discussion and audience interaction

1600-1640 IST

LIVE CHIP CASE

Chairperson: Kirti Punamiya, M S Hiremath, Jabir Abdullakutty

Discussants: Nishith Chandra, R R Mantri, Mirvat Alasnag, Mohit Gupta, Suman Bhandari

1640-1700 IST

Laser Atherectomy in Complex PCI : Practical Consideration

1640-1700

15 min

Laser Atherectomy in Complex PCI : Practical Consideration

Peter O’Kane

5 min

Discussion and audience interaction

1700-1715 IST

Practice Pearls from SCAI Statement on Optimal PCI in Complex CAD

1700-1715

12 min

Practice Pearls from SCAI Statement on Optimal in Complex CAD

Emmanouil Brilakis

3 min

Discussion and audience interaction

1715-1830 IST

CTO PCI 2021: Practical Challenges and Solutions

Chairperson: A B Mehta, Arun Kalyanasundaram, P K Goel

Discussants: Arasi Maran, NK Mahesh, Sarita Rao, Preeti Sharma, Mridul Sharma, Prashant Panda

1715 - 1716

1 min

Introduction

1716 - 1734

12 min

Antegrade PCI in 2021

Arasi Maran

6 min

Discussion and audience interaction

1734 - 1752

12 min

Difficult Collateral Crossing & Microcatheter Woes: Which Collateral, Which Wires, How to? Epicardial !

Emmanouil Brilakis

6 min

Discussion and audience interaction

1752 - 1810

12 min

Can’t Pierce Distal Cap: Reverse Cart and Problem Solving

Sidney Lo

6 min

Discussion and audience interaction

1810 - 1828

18 min

Case in a Box: What do I do next?

Arun Kalyanasundaram

1828 - 1830

2 min

Conclusion

1830-1900 IST

VA ECMO FOR CATH LAB CRASHES: PRACTICAL CONSIDERATIONS, TEAM BUILDING – HOW TO DO IT?

Chairperson: Babar Basir, Praveen Chandra

Discussants: Arasi Maran, Ravinder Rao, A B Gopalamurugan, Vinod Vijan, J. Ezhilan, K Dhamodaran

1830 - 1845

12 min

Step by Step ECMO Initiation and problem solving

Vishal Rastogi

3 min

Discussion and audience interaction

1845 - 1900

12 min

Gearing up for ECMO Resuscitation in Cath Lab Crashes (with Case Examples)

Duane Pinto

3 min

Discussion and audience interaction

1900-1930 IST		UNDERSTANDING HAEMODYNAMICS & MECHANICAL CIRCULATORY SUPPORT	
Chairperson: Duane Pinto, Sanjeeb Roy			
Discussants: Ravinder Rao, Rajpal Abhaichand, Surya Prakash Rao, Nishith Chandra			
1900-1930	25 min	Understanding Haemodynamics & Mechanical Circulatory Support	Daniel Burkhoff
	5 min	Discussion and audience interaction	

1930-2055 IST

SCAI @ CHIP-CTO INDIA

CARDIOGENIC SHOCK: THE ULTIMATE FRONTIER OF CHIP INTERVENTION



Chairperson: Ashok Seth, Sanjog Kalra, Arasi Maran

Discussants: Binita Shah, E Babu, Vijay Bang, Rajneesh Kapoor, G Sengottuvelu, Roopa Salwan, Rony Mathew, YKD Bhatta, Kaiser Nasrullah Khan

1930 - 1932	2 min	Introduction	
1932 - 1950	12 min	Predicting Outcomes in Cardiogenic Shock: SCAI Shock Definitions – More than Just a Common Language	Babar Basir
	6 min	Discussion and audience interaction	
1950 - 2008	12 min	Team Based Models of Shock Care: Contemporary Models Driving Improved Outcomes	Ajay J. Kirtane
	6 min	Discussion and audience interaction	
2008 - 2023	10 min	Case Presentation: Acute MI Complicated by Cardiogenic Shock – A Case Where We Failed (and Learned from Our Mistakes)	Binita Shah
	5 min	Discussion and audience interaction	
2023 - 2038	10 min	Don't Forget the RV! – A Case of Right Ventricular Dysfunction Requiring Multimodal Therapies	Amir Kaki
	5 min	Discussion and audience interaction	
2038 - 2053	10 min	Case Presentation: Hemodynamics in Cardiogenic Shock – A Case Where We Had to Follow the Numbers	Jonathan Hill
	5 min	Discussion and audience interaction	
2053 - 2055	2 min	Conclusion	

2055-2155 IST		I BET YOU HAVE NEVER SEEN THIS BEFORE! – PART I (INTERNATIONAL FACULTY)	
Chairperson: Binita Shah, Vijay Trehan, Atul Mathur			
Discussants: Ajay Kirtane, Raj Tayal, C G Bahuleyan, Shirish M S Hiremath, Balbir Singh, Praveer Agarwal, Ajay Swamy, Kathleen Kearney			
2055 - 2057	2 min	Introduction	
2057 - 2111	9 min	Case Presentation I	Ajay Kirtane
	5 min	Discussion and audience interaction	
2111 - 2125	9 min	Case Presentation II	Amir Kaki
	5 min	Discussion and audience interaction	
2125 - 2139	9 min	Case Presentation III	Raj Tayal
	5 min	Discussion and audience interaction	
2139 - 2153	9 min	Case Presentation IV	Arasi Maran
	5 min	Discussion and audience interaction	
2153 - 2155	2 min	Conclusion	

DAY 3

February 7th Sunday 2021

1600-1700 IST

APSIC @ CHIP-CTO INDIA

MANAGING CORONARY PERFORATIONS: THE PREMIER LEAGUE



Asian Pacific Society of Interventional Cardiology

Chairperson: Ashok Seth, Michael Lee, Rakesh Yadav, Samuel Mathew

Discussants: Mirvat Alasnag, V T Shah, Arun Chopra, Aftab Khan, S Selvamani, R Sivakumar, YKD Bhatta

1600 - 1602	2 min	Introduction	
1602 - 1616	9 min	My Worst Perforation Innovative Bailout	Rustem Dautov
	5 min	Discussion and audience interaction	
1616 - 1630	9 min	My Worst & Best Save	Satoru Sumitsuji
	5 min	Discussion and audience interaction	
1630 - 1644	9 min	My Worst Perforation	Sidney Lo
	5 min	Discussion and audience interaction	
1644 - 1658	9 min	Small Vessel Perforation: Innovative Closure techniques & tools	Vijay Trehan
	5 min	Discussion and audience interaction	
1658 - 1700	2 min	Conclusion	

1700-1800 IST

I BET YOU HAVE NEVER SEEN THIS BEFORE! – PART II

(IFACI MASTER OPERATOR AWARD SESSION)

Chairperson: Ajay Kirtane, Dhiman Kahali

Discussants: Michael Lee, N N Khanna, Shirish M S Hiremath, PK Sahoo

1700 - 1702	2 min	Introduction	
1702 - 1716	9 min	Case Presentation – Debulking of Tricuspid vegetation: Endovascular approach	Adil Wani
	5 min	Discussion and audience interaction	
1716 - 1730	9 min	Case Presentation – Left Main Quadrifurcation stenosis with long term follow up	Teguh Santoso
	5 min	Discussion and audience interaction	
1730 - 1744	9 min	Case Presentation – Tug of War – The Rope Broke!	Ashwin Mehta
	5 min	Discussion and audience interaction	
1744 - 1758	9 min	Case Presentation – OCT guided complete revascularistion for No Option CAD	S. Manoj
	5 min	Discussion and audience interaction	
1758 - 1800	5 min	Conclusion	

1800-1900 IST

OMG! WHAT DO I DO NEXT?

(BAILOUT ALGORITHMS BEYOND THE USUAL)

Chairperson: Ashok Seth, TS Kler

Discussants: Ashwin Mehta, Sunitha Vishwanath, Ranjan Shetty, Nishith Chandra, Shibba Chhabra

1800 - 1802	2 min	Introduction	
1802 - 1816	9 min	Case Presentation - Heavily Calcified Lesions: Balloon Uncrossable & Burr Uncrossable Lesions	Ashok Seth
	5 min	Discussion and audience interaction	
1816 - 1830	9 min	Case Presentation – Overcoming Severe Tortuosity: Challenges & Pitfalls	Ajay Kirtane
	5 min	Discussion and audience interaction	
1830 - 1844	9 min	Case Presentation III	Sanjog Kalra
	5 min	Discussion and audience interaction	
1844 - 1858	9 min	Case Presentation IV	Kirti Punamiya
	5 min	Discussion and audience interaction	
1858 - 1900	2 min	Conclusion	

07th February 2021 (Sunday)

1900-2020 IST		LARGE BORE ACCESS & CLOSURE: STEP BY STEP (BIG BOYS TOOLS!)	
Chairperson: Ashok Seth, Raj Tayal, Vijay Kumar			
Discussants: Kathleen Kearney, Michael Lee, Viveka Kumar, George Koshy, Nishith Chandra, Shibba Chhabra			
1900 - 1901	1 min	Introduction	
1901 - 1921	14 min	Femoral Access: Fundamental to Advanced: Obese, Calcified, Tortuous IVL	Duane Pinto
	6 min	Discussion and audience interaction	
1921 - 1941	14 min	Percutaneous Axillary Access & Closure	James McCabe
	6 min	Discussion and audience interaction	
1941 - 2000	14 min	Transcaval Access for Mechanical Circulatory Support: Step by Step	Adam Greenbaum
	5 min	Discussion and audience interaction	
2000 - 2019	14 min	Advanced Closure Techniques: Complication Management, Tough Calls, Great Save	Raj Tayal
	5 min	Discussion and audience interaction	
2019 - 2020	1 min	Conclusion	

2020-2120 IST		“MY WORST NIGHTMARE”	
Chairperson: Kathleen Kearney, Kirti Punamiya			
Discussants: Mirvat Alasnag, Raj Tayal, Shirish M S Hiremath, Milan Chag, PK Hazra, Roopali Khanna			
2020 - 2022	2 min	Introduction	
2022 - 2036	9 min	Case Presentation I	Jonathan Hill
	5 min	Discussion and audience interaction	
2036 - 2050	9 min	Case Presentation II	James McCabe
	5 min	Discussion and audience interaction	
2050 - 2104	9 min	Case Presentation III	Kathleen Kearney
	5 min	Discussion and audience interaction	
2104 - 2118	9 min	Case Presentation IV	Adam Greenbaum
	5 min	Discussion and audience interaction	
2118 - 2120	2 min	Conclusion	

07th February 2021 (Sunday)

Training Workshops

HALL A

HALL B

1000 - 1100 IST

SINGLE ACCESS IMPELLA:
STEP BY STEP AND CASE BASED
LEARNINGS

Supported by


Chairperson : Ashok Seth, Michael Lee
& Praveen Chandra

Panelists : Kirti Punamiya, Sreenivas Kumar,
PK Hazra, Ravinder Rao,
Rajneesh Kapoor, Balbir Singh

Duration	Topic	Speaker
1000 - 1002 IST (02 minutes)	Introduction	
1002 - 1022 IST (15 minutes talk + 05 minutes discussion)	Impella Insertion & Single Access: Step by Step & Tough Calls	Sanjog Kalra
1022 - 1034 IST (07 minutes talk + 05 minutes discussion)	Case Based Learning 1	R Sivakumar
1034 - 1046 IST (07 minutes talk + 05 minutes discussion)	Case Based Learning 2	G Sengottuvelu
1046 - 1058 IST (07 minutes talk + 05 minutes discussion)	Case Based Learning 3	S Manoj
1058 - 1100 IST (02 minutes)	Conclusion	

**TACKLING DIFFUSE LESIONS
& BIFURCATIONS: A STEP BY
STEP GUIDE TO COMPLEX PCI**

Supported by


Chairperson : Harinder K Bali, Rajneesh Kapoor
& YVC Reddy

Panelists : S. Nagendra Boopathy, Dilip Kumar,
Jaishankar, Uday B Khanolkar,
Keshava R & S Balaji

Duration	Topic	Speaker
1000 - 1005 IST (05 minutes)	Opening Remarks & Objective Settings	
1005 - 1020 IST (10 minutes talk + 05 minutes discussion)	Dedicated Side Branch Stents - When to Use & How to Use	Sanjeeb Roy
1020 - 1035 IST (10 minutes talk + 05 minutes discussion)	Treating Long Diffuse Lesions with BRS	S Vijayakumar
1035 - 1050 IST (10 minutes talk + 05 minutes discussion)	How to treat Long Diffuse Lesions	R Sivakumar
1050 - 1100 IST (10 minutes)	Discussion & Closing Comments	

1100 - 1200 IST

**LEARN IMAGING BIFURCATION
LESION & VESSEL CLOSURE:**
STEP BY STEP

Supported by


Chairperson : Ashok Seth, Rajesh Vijayvargiya,
Subhash Chandra

Duration	Topic	Speaker
1100 - 1102 IST (02 minutes)	Introduction	
1102 - 1127 IST (15 minutes talk + 10 minutes discussion)	Imaging of Bifurcation Lesions: Practical Considerations	S Vijayakumar
1127 - 1157 IST (20 minutes talk + 10 minutes discussion)	Vessel Closure: Pre & Post Close: Step by Step	Sai Satish
1157 - 1200 IST (02 minutes)	Conclusion	

**CTO TECHNIQUES:
PRACTICAL CONSIDERATIONS
& CASE BASED LEARNINGS**

Supported by


Chairperson : Arun Kalyanasundaram, Deepak Davidson,
KMK Reddy

Panelists : Dilip Kumar, Niraj Gupta, Ramesh Patel
Keshava R & Nimit Shah, Ramesh Patel
Smit Srivastava

Duration	Topic	Speaker
1100 - 1101 IST (01 minutes)	Opening Remarks & Objective Settings	
1101 - 1116 IST (10 minutes talk + 05 minutes discussion)	Use of QFR in Complex PCI: Demonstration	Gianluca Campo
1116 - 1131 IST (10 minutes talk + 05 minutes discussion)	How to use parallel wires in CTO?	Husam A Noor
1131 - 1146 IST (10 minutes talk + 05 minutes discussion)	How to Avoid & Manage Complications in CTO?	Krzysztof Pujdak
1146 - 1158 IST (10 minutes talk + 02 minutes discussion)	CTO Tool Kit	Arun Kalyanasundaram
1158 - 1200 IST (02 minutes)	Conclusion	

07th February 2021 (Sunday)

HALL A

HALL B

1200 - 1300 IST

ZERO CONTRAST PCI: STEP BY STEP

Supported by
Boston Scientific

PLAQUE MODIFICATION BEST PRACTICES

Chairperson : Kirti Punamiya, Vijay Trehan,
Surya Prakasa Rao

Panelists : Arun Mohanty, Dilip Kumar,
Ajit Mehta, Kuntal Bhattacharya,
JS Makkar, Girish B. Navasundi

Duration	Topic	Speaker
1200 - 1202 IST (02 minutes)	Opening Remarks & Objective Settings	
1202 - 1230 IST (20 minutes talk + 08 minutes discussion)	Zero Contrast PCI Step by Step	Sanjog Kalra
1230 - 1258 IST (20 minutes talk + 08 minutes discussion)	Plaque Modification - How Do I Do, What Do I Do?	Rustem Dautov
1258 - 1300 IST (02 minutes)	Closing Remarks	

IVL & DEVICE SYNERGY FOR HEAVILY CALCIFIED LESIONS

Supported by
translumina
LIMITLESS POSSIBILITIES

Chairperson : Balbir Singh, VK Bahl &
Atul Mathur

Panelists : Kirti Purnamiya, G Sengottuvelu,
Rony Mathew, RK Jaswal, Ankush Gupta,
Rajneesh Kapoor & Ravinder Rao

Duration	Topic	Speaker
1200 - 1202 IST (02 minutes)	Opening Remarks & Objective Settings	
1202 - 1217 IST (15 minutes talk)	IVL : Technique Best Practices	Jonathan Hill
1217 - 1232 IST (15 minutes talk)	When Going gets tough, IVL gets you going-Complex cases treated with IVL	Ashok Seth
1232 - 1245 IST (13 minutes talk)	Synergy of IVL with other devices for treating Undilatable lesions	DS Chadha
1245 - 1258 IST (13 minutes)	Panel Discussion	
1258 - 1300 IST (02 minutes)	Closing Remarks	

1300 - 1400 IST

DCB - BEST PRACTICES

Supported by
Concept Medical

Chairperson : Sameer Dani, G Sengottuvelu,
Rajneesh Kapoor

Panelists : Sunip Banerjee, Saurabh Mehrotra,
Surya Prakash Rao, BV Manjunath,
SK Vijay & Bharat Shivdasani

Duration	Topic	Speaker
1300 - 1302 IST (02 minute)	Opening Remarks & Objective Settings	
1302 - 1327 IST (15 minutes talk + 10 minutes discussion)	Drug Coated Balloon: Best Practices	Antonio Colombo
1327 - 1352 IST (15 minutes talk + 10 minutes discussion)	Drug Coated Balloon in Complex Cases	Sandeep Basavarajaiah
1352 - 1355 IST (03 minutes talk)	Conclusion	

BIFURCATION & TRIFURCATION WORKSHOP: VISIBLE HEART LAB

Supported by
Medtronic

Chairperson : Goran Stankovic, Rajpal Abhaichand &
Sunitha Viswanathan

Panelists : Aftab Khan, Tarun Madan,
Sridhara G & Jaspal Arneja

Duration	Topic	Speaker
1300 - 1302 IST (02 minutes)	Opening Remarks & Objective Settings	
1302 - 1328 IST (26 minutes talk)	Learning Bifurcation from Virtual Heart Lab	Goran Stankovic
1328 - 1341 IST (08 minutes talk + 05 minutes discussion)	DK Crush Step by Step	S Vijaya kumar
1341 - 1354 IST (08 minutes talk + 05 minutes discussion)	TAP: Step by Step	Sanjeeb Roy
1354 - 1400 IST (06 minutes)	Q & A Discussion	

1400 - 1430 IST

GUIDE EXTENSION CATHETER FOR DIFFICULT ANATOMY: TIPS, TRICKS AND UNUSUAL CASES

Chairperson : RK Jaswal, Anil Dhall, Prabhat Kumar

Duration	Topic	Speaker
1400 - 1402 IST (02 minute)	Opening Remarks & Objective Settings	
1402 - 1430 IST (20 minutes talk + 8 minutes discussion)	Guide Extension Catheter For Difficult Anatomy: Tips, Tricks and Unusal Cases	Beatriz Vanquerizo

Secretariat:

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