



13th Biennial Conference of
Nuclear Cardiological Society of India
 2-3 October 2021 | Virtual Conference

Scientific Programme

INAUGURATION (HALL A & B) Guest of Honour: Dr Abhay Narain Rai, Chief Guest: Prof. (Dr.) Ashok Seth			
Saturday, 2 nd October 2021, HALL A (DAY 1)			
TIMING	TOPIC	SPEAKER	CHAIRPERSONS
10:00am-10:30am	INAUGURATION (HALL A & B) Guest of Honour: Dr Abhay Narain Rai, Chief Guest: Prof. (Dr.) Ashok Seth		
Saturday, 2 nd October 2021, HALL A (DAY 1)			
TIMING	TOPIC	SPEAKER	CHAIRPERSONS
10:30am-11:30am	SESSION I State of the art lectures		<i>Dr Promila Pankaj Dr Madhavi Chawla Dr Sanjeev Pandey</i>
10:30am-11:00am	Multimodality Quantitative Coronary Flow Imaging and Newer Developments	Dr Sanjiv Kumar	
11:00am-11:30am	Multimodality Imaging of Covid-19 and related complications	Dr A Anbarasu	
11:30am-01:50pm	SESSION II Cardiac Physiology		<i>Dr (Brig.) JK Bhagat Dr Aparna Jaswal Dr Madhur Srivastva</i>
11:30am-11:50am	Understanding the Cardiac Cycle and the Physiology of the Left Ventricle	Dr D P Kaithan	
11:50am-12:10pm	Energy Metabolism of Cardiac Myocytes and its Clinical Applications	Dr R Rajasekar	
12:10pm-12:30pm	Cell Signalling and Molecular Crosstalk in Cardiovascular System	Dr E Prabhu	
12:30pm-12:50pm	Physiology of Cardiac Innervation and its dysfunction in Heart Failure	Dr R Ravikumar	
12:50pm-01:10pm	Right Ventricular Physiology and its Clinical Implications	Dr C Thirupathi	
01:10pm-01:30pm	Cardiac Rehabilitation: Strength and Limitations	Dr Piyush Jain	
01:30pm-01:50pm	Autonomic and Endocrine Control of Cardiovascular System	Dr Ramesh Asopa	
02:30pm-04:00pm	Session III State of Art Lectures		<i>Dr Murli Nadig Prof Dr Archi Agrawal</i>
02:30pm-03:00pm	Imaging of Apoptosis in Cardiovascular System with Nuclear Imaging	Dr PK Pradhan	
03:00pm-03:30pm	Imaging the Metabolic Remodelling of the Myocardium	Dr Julie Hephzibah	
03:30pm-04:00pm	Insights into the ISCHEMIA Trials with special reference to Myocardial Perfusion SPECT	Dr P Velavan	
06:30pm-07:30pm	Special Invited NCSI Keynote addresses		<i>Prof S Gambhir Prof Chetan Patel</i>
06:30pm-07:00pm	Recent Advances in Nuclear Cardiovascular Imaging	Dr Diwakar Jain	
07:00pm-07:30pm	Molecular Imaging of Cardiac Amyloidosis	Dr Sharimla Dorbala	
08:00pm-08:45pm	Homi Bhabha Oration		<i>Dr Anshu Rajnish Sharma Dr Gaurav Malhotra</i>
	Nuclear Cardiology in the Current Era: Going Beyond Perfusion Imaging to Assess Heart Failure and Arrhythmias	Dr Mark I Travin	
09:00pm onwards	GBM		

10:00am-10:30am	INAUGURATION (HALL A & B)		
Saturday, 2nd October 2021, HALL B (DAY 1)			
TIMING	TOPIC	SPEAKER	CHAIRPERSONS
10:30am-01:20pm	Continuous Professional Development Program		<i>Conveners: Dr Chetan Patel, Dr Priya Jagia</i>
10:30am-11:00am	ECG for Nuclear Medicine Physicians	Dr Guru Prasad	
11:00am-11:30am	Workshop on Echocardiography	Dr Sameer Shrivastava	
11:30am-12:00pm	CT Coronary Angiography	Dr Mona Bhatia	
12:00pm-12:30pm	Cardiac MRI	Dr Johann Christopher	
12:30pm-01:00pm	Workshop on PET MRI	Dr Shanmugasundaram	
01:00pm-01:30pm	Dedicated Cardiac SPECT-CZT camera Vs Conventional SPECT	Dr Atul Verma	
02:00pm-03:00pm	Continous Professional Development Program		<i>Dr Pramod Arora Dr Sandeep Kawlra Dr RV Narayanan</i>
02:00pm-02:20pm	Workshop on Conventional Imaging in Cardiology	Dr Priya Jagia	
02:20pm-02:40pm	Clinical Applications of MUGA	Dr Deepanjan Mitra	
02:40pm-03:00pm	Understanding Phase – Dysschnorony in Radionuclide Ventriculography	Dr R Vijayaraghavan	
03:00pm-03:45pm	Debate in Nuclear Cardiology		<i>Moderator: Dr Ranadheer Mantri Chairperson: Dr PC Manoria Dr GN Mahapatra</i>
	Role of Nuclear Cardiology in the Initial Evaluation of Acute Chest Pain	<i>Protagonist: Dr BA Krishna</i>	<i>Antagonist: Dr Abraham Oomen</i>
03:45pm-05:45pm	Session: Radiation Safety & Quality Control in Nuclear Cardiology		<i>Dr Anshu R Sharma Mr Ashsih Jha Dr Aruna Kaushik</i>
03:45pm-04:00pm	Fundamentals of Radiation Safety in Cardiac Imaging	Dr PK Das Sharma	
04:00pm-04:15pm	Insights into the IAEA Nuclear Cardiology Protocols Cross-Sectional Study (INCAPS)	Dr Pankaj Tandon	
04:15pm-04:30pm	Current consensus in best Cardiac Imaging Practices with regards to Radiation Safety	Dr. Venkatesh Rangarajan	
04:30pm-04:45pm	Quality Control of Cardiac Radiopharmaceutical in a Busy Clinical Set – up	Dr Rajnath Jaishwar	
04:45pm-05:00pm	Quality Control of Cardiac SPECT	Dr Subash Chand Kheruka	
05:00pm-05:15pm	Image Processing and Cardiac Softwares	Dr Piyush Chandra	
05:15pm-05:30pm	Pharmacological Stress with Regadenoson	Dr Srikant V Solov	
05:30pm-05:45pm	Tachycardiac Vs Pharmacological Stress MPI: Different implications in multivessel disease	Dr Parag Aland	

Sunday, 3rd October 2021, HALL A (DAY 2)

TIMING	TOPIC	SPEAKER	CHAIRPERSONS
10:00am-12:00pm	Session I		<i>Dr K Shanmugam Dr Atul Mathur Dr Sashwat Verma</i>
10:00am-10:15am	Fundamentals of Diabetic Cardiomyopathy	Dr P Paranthaman	
10:15am-10:30am	Nuclear Imaging in Diabetic Heart Disease	Dr RV Parmeshwaran	
11:00am-11:15am	Cardiovascular Nuclear Imaging in Hypertension and Chronic Kidney Disease	Dr Anirban Mukherjee	
11:15am-11:30am	Potentials of Nuclear Imaging in Administration of Ventricular Assist Devices	Dr KR Balakrishnan	
11:30am-11:45am	Evolving strategies and algorithm to reduce Door to Reperfusion time in Acute Coronary Syndrome	Dr Sandeep Kawlra	
12:00pm-01:20pm	Highlight Session		<i>Dr E Prabhu Dr V Rangrajan</i>
12:00pm-12:20pm	Current Technology in Cardiology: The FAME Trials and its Impact on Clinical Decision Making	Dr Ramanan Srinivasan	
12:20pm-12:40pm	Role of Nuclear Medicine in Heart & Lung Transplantation: From the Eyes of a Transplant Surgeon	Dr T Sunder	
12:40pm-01:00pm	Multi-Modality Imaging of Atheromatous Plaque	Dr GN Mahapatra	
01:00pm-01:20pm	Nuclear Cardio-oncology: Current Perspectives	Dr V Sivasubramanian	
02:00pm-03:00pm	Session on Myocardial Viability		<i>Dr Ashok Omar Dr Sunita Sonavane</i>
02:00pm-02:20pm	Evaluation of Myocardial Viability with Dobutamine Echocardiogram	Dr Joy M Thomas	
02:20pm-02:40pm	MRI Determination of Myocardial Viability	Dr Sanjaya Viswamitra	
02:40pm-03:00pm	Evidence based role of Cardiac PET – CT in Myocardial Viability Assessment	Dr Natasha Singh	
03:00pm-04:00pm	Session		<i>Dr Satyawati Deswal Dr Karuna Luthra</i>
03:00pm-03:20pm	Future of Nuclear Cardiology in India in the era of Multi-Modality Molecular Medical Imaging	Dr K Kumaresan	
03:20pm-03:40pm	Molecular Nuclear Medicine in Chronic Heart Failure	Dr Vikram Lele	
03:40pm-04:00pm	Molecular Imaging of the Vulnerable Plaque	Dr Sanjay Gambhir	
04:00pm-06:00pm	Session: Inflammatory & Infiltrative Cardiomyopathy		<i>Dr RV Parmeshwaran Dr Alka Kumar</i>
04:00pm-04:20pm	Advanced Imaging in Inflammatory Heart Disease: Cardiac Sarcoid and Beyond	Dr AM Karthigesan	
04:20pm-04:40pm	Patient Preparation & Protocol of Cardiac PET in Cardiac Sarcoidosis	Dr Mary Anne Joseph	
04:40pm-05:00pm	GA-68 DOTANOC in Inflammatory Cardiomyopathy	Prof Dr Chetan Patel	
05:00pm-05:20pm	Cardiac PET in Infection in Post-Operative Setting and Devices	Dr Harmandeep	
05:20pm-05:40pm	Cardiac PET technique and protocol of Cardiac PET in myocardial viability	Dr Hemant Khandare	
07:00pm onwards	Cultural Programme		

Sunday, 3rd October 2021, HALL B (DAY 2)

TIMING	TOPIC	SPEAKER	CHAIRPERSONS
09:30am-11:00am	Free Paper Presentation Session <i>Judges: Dr Sanjay Gambhir, Dr Gaurav Malhotra, Dr Dhanpati, Dr Ashwini Sood</i>		<i>Convener: Dr Priyanka Verma Dr Ashwini Sood</i>
11:00am-01:20pm	Session: State of the Art Myocardial Perfusion Imaging		<i>Dr Madhusudhanan Dr Manishi L Narayan</i>
11:00am-11:20am	Cardiac SPECT & PET Tracers in India: Reality and Aspirations	Dr Anupam Mathur	
11:20am-11:40am	Pathophysiological basis of Myocardial Perfusion Imaging in Nuclear Medicine: an Insight into molecular mechanism	Prof Dr Gaurav Malhotra	
11:40am-12:00pm	Myocardial Perfusion Imaging in Obesity	Dr Madhuri Shimpi	
12:00pm-12:20pm	Challenges of Myocardial Perfusion Imaging in Women	Dr Vandhana Dhingra	
12:20pm-12:40pm	Role of Myocardial Perfusion Imaging in Pediatrics	Dr Parul Mohan Bhatnagar	
12:40pm-01:00pm	Role of Stress MPI in triaging acute Chest pain syndrome	Dr Satish Nath	
01:00pm-01:20pm	Standardizing Reporting formats across institutions	Dr Mudalsa Ravina	
02:00pm-04:00pm	SESSION		<i>Prof Dr Sneha Shah Dr ZS Meharwal</i>
02:00pm-02:20pm	Changing face of Nuclear Cardiology beyond MPI	Prof Dr Tekchand Kalawat	
02:20pm-02:40pm	Role of Nuclear Medicine in the recipients of heart transplant	Dr Dhanapathi Halanaik	
02:40pm-03:00pm	Ventilation Perfusion SPECT imaging of the Cardiopulmonary Disorders beyond Pulmonary Embolism	Dr Abhishek Gupta	
03:00pm-03:20pm	Stress Myocardial Perfusion Imaging before liver transplant in patients with chronic liver disease	Dr Santhosh Sampath	
03:20pm-03:40pm	PET in Assessment of Myocardial Blood Flow and Myocardial Flow Reserve	Dr Kh. Bangkim Chandra	
04:00pm-04:45pm	Inappropriate Use of Treadmill Test <i>Antagonist: Dr Sameer Srivastava Protagonist: Dr K Kumaresan</i>		<i>Dr Ranadhher Gupta Dr SV Solav</i>
05:00pm-06:00pm	Postgraduate Quiz in Nuclear Cardiology	<i>Quiz Master: Dr Arun Sasikumar</i>	
06:00pm-07:00pm	PANEL DISCUSSION		
	Nuclear Cardiology in Evaluating Young Patient with Chest Pain and Suspected CAD		<i>Moderators: Dr Sanjay Gambhir</i>
	<i>Panellists: Dr Uma Ravishankar, Dr DP Singh, Dr Sandeep Kawlra, Dr Ajay Sinha, Dr SV Solav</i>		
07:00pm onwards	Cultural Programme		

FREE PAPER PRESENTATION SESSION

Sunday, 3rd October 2021

09:30am-11:00am, HALL B (DAY 2)

TIMING	TOPIC	PRESENTER
09:30am-11:00am	Free Paper Presentation Session <i>Judges: Dr Sanjay Gambhir, Dr Gaurav Malhotra, Dr Dhanpati, Dr Ashwini Sood</i>	<i>Convener:</i> Dr Priyanka Verma Dr Ashwini Sood
09:30am-09:39am	Vital role of Lymphoscintigraphy in Idiopathic Recurrent Chylopericardium – A rare entity	Dr Parneet Singh
09:39am-09:48am	Hemodynamic profile of patients undergoing pharmacological stress with adenosine for myocardial perfusion imaging	Dr Rajesh Mishra
09:48am-09:57am	Clinical profile, risk factor profile and outcome of ACS in young adults	Dr Surbhi Naik
09:57am-10:06am	EFFICACY AND SAFETY OF THROMBOLYSIS IN ACUTE PULMONARY THROMBOEMBOLISM IN A TERTIARY CARE CENTRE	Dr Dhruv Chowda
10:06am-10:15am	Role of FDG PET-CT in assessment of cardiac viability in patient of CAD associated left ventricular dysfunction	Dr Himanshu Bansal
10:15am-10:24am	UTILITY OF ADENOSINE STRESS INDUCED ECG CHANGES WITH 99mTc MIBI MYOCARDIAL PERFUSION SCINTIGRAPHY IN EVALUATION OF CORONARY ARTERY DISEASE	Dr Valaiyapathy NC
10:24am-10:33am	Role of F18-FDOPA PET/CT in imaging the sympathetic innervation of heart failure patients	Dr Thayumanavan Thanigainathan
10:33am-10:42am	A comparison between right ventricular ejection fraction derived by first pass radionuclide ventriculography with echocardiography derived parameters of right ventricular function in patients with dilated cardiomyopathy	Dr Subhajit Dasgupta
10:42am-10:51am	COVID-19 myocardial involvement presenting as left ventricular aneurysm and clot associated with normal coronary anatomy , deep vein thrombosis and abnormal brachial artery flow mediated dilatation	Dr Hardik
10:51am-11:00am	MUGA- A GUIDANCE TOOL IN TREATMENT MONITORING	Dr Shashwat Verma