



ECHO INDIA

2022

27th Annual National Conference (IAE)
17th to 20th November 2022

CITADEL CONVENTION CENTRE

SCIENTIFIC PROGRAMME



ECHO 2022

Disclaimer:

The scientific programme is subject to change due to some last minute changes. Download the QR code to get the most updated version of the programme.

Hyderabad



Pre-Conference Workshop

Date: 17th November, 2022

Welcome

Time	Hall Ganga	Hall Godavari
9:00 am	Dr C K Ponde, Dr Satish Govind, Dr K Raghu, Dr Johan Christopher Talk: 20 minutes, Discussion: 10 minutes	
9:15 to 9:45 am	Combined Session - Diastolic function assessment: A practical approach Chairpersons: S K Parashar, R R Kasliwal, H K Chopra Speaker: J C Mohan	
	Supported by GE Healthcare	Supported by Philips Healthcare
10:00 to 11:10 am	Knobs, views & anatomy - Art of comprehensive imaging Looking beyond the usual - What more can you do with knobs. How to get a better image in difficult windows. Off-axis images - Value of unusual views. Spot the structure - Do you really know your anatomy. Imaging protocol - What you should follow in your practice. Moderator: S Balasubramanian Live demo: Ashok Garg, Rajesh Shah Experts: R J Manjuran, S Shanmugasundaram	Knobs, views & anatomy - Art of comprehensive imaging Looking beyond the usual - What more can you do with knobs. How to get a better image in difficult windows. Off-axis images - Value of unusual views. Spot the structure - Do you really know your anatomy. Imaging protocol - What you should follow in your practice. Moderator: Madhu Shukla Live demo: Rohit Tandon, Nandita Chakrabarti Experts: A V Anjaneyulu, Ashok Omar
11:10 to 11:30 am	TEA 	
11:30 to 12:40 pm	Intracardiac pressures - Are you doing it right ? Right heart Left heart Limitations & problems What should be in your report Tips and tricks Moderator: Dipankar Datta Live demo: Simmi Manocha, Jesu Krupa Experts: S K Parashar, B R Mishra	Intracardiac pressures - Are you doing it right ? Right heart Left heart Limitations & problems What should be in your report Tips and tricks Moderator: Soumitra Kumar Live demo: Rishikesh Shah, Chandramukhi Sunehra Experts: R R Kasliwal, U P Singh
12:40 to 1:30 pm	LUNCH 	

<p>1.30 to 2.40 pm</p>	<p>Valve cases - How to quantify valve lesions Is it mild, moderate or severe? Applying essential parameters and when to use the less used Mixed lesions - How to approach it Why do assessments vary? Importance of chamber measurements Moderator: S T Yavagal Live demo: Vivek Tandon, Atul Karande Experts: Nitin Burkule, Aniruddha De</p>	<p>Valve cases - How to quantify valve lesions Is it mild, moderate or severe? Applying essential parameters and when to use the less used Mixed lesions - How to approach it Why do assessments vary? Importance of chamber measurements Moderator: H K Chopra Live demo: Sunil Bohra, Veeramani Experts: Sameer Shrivastava, C K Ponde</p>
<p>3.00 to 4.10 pm</p>	<p>2D Strain imaging - All you need to know Acquisition & analysis - LV, RV, LA LVH / Cardiomyopathy Valvular heart disease Heart failure How to report Moderator: Vinod Vijan Live demo: R Manivasagam, Shantanu Sengupta Experts: J C Mohan, Sanjay Mittal</p>	<p>2D Strain imaging - All you need to know Acquisition & analysis - LV, RV, LA LVH / Cardiomyopathy Valvular heart disease Heart failure How to report Moderator: Prabhavathi Live demo: Harin Vyas, Amita Singhal Experts: Rakesh Gupta, C Rajiv</p>
<p>41:10 to 4:20 pm</p> <p style="text-align: center;">TEA </p>		
<p>4:20 to 5:30 pm</p>	<p>3D Transthoracic echo - Basics & beyonding it right ? Knobs and acquisition - Key to a good image LVEF and RV EF LA volume and LV mass Valve assessment When to do 3D TTE Moderator: I B Vijayalakshmi Live demo: Vinayak Agrawal, Mahesh Babu Experts: R Alagesan, V Amuthan</p>	<p>3D Transthoracic echo - Basics & beyonding it right ? Knobs and acquisition - Key to a good image LVEF and RV EF LA volume and LV mass Valve assessment When to do 3D TTE Moderator: K Raghu Live demo: Rahul Mehrotra, Debika Chatterjee Experts: K Chandrasekharan, Satish Govind</p>
<p style="text-align: center;">6:00 pm onwards EC Meeting</p>		




Congress


Date: 18th November, 2022


Day 1

Ganga - Plenary Hall	Godavari - Parallel Hall	Brahmaputra - Parallel Hall	Narmada - Parallel Hall
Session : 1 9:00 - 10:15 am	Session : 1 9:00 - 10:15 am	Sonographer Special Session : 1 8:00 - 9:15 am	Accreditation 9:00 am onwards
15 mins each / 15 mins discussion	15 mins each / 15 mins discussion	-	-
Focus on mitral valve	Spotlight on TV	Ultrasound Physics	Rakesh Gupta
Ashok Omar, Shantanu Sengupta, Veeramani	B R Mishra, C Rajiv, Nandita Chakraborti	Chairpersons: Sangeeta Porwal, A Tawade / Moderators: Ashwin V, Bharat Patel	-
Mitral annular disjunction – Key things to look at	LV is hypertrophied – How to approach?	Essential ultrasound physics to ace any echo exam!	-
Aniruddha De	Vivek Tandon	Sidney Edelman, USA	-
Mitral valve - Papillary muscle & chordal abnormalities	Is it LV non- compaction or hypertrabeculated ventricle ?	-	-
Vinayak Agrawal	Chandramukhi Sunehra	-	-
Diagnosing cleft mitral valve by echo	LV is out of shape - LV remodeling & reverse remodeling, how to assess?	-	-
U P Singh	Rahul Mehrotra	-	-
Systolic anterior motion of mitral valve – Why, how & when?	LV myocardial stroke work - What is it all about?	-	-
V Amuthan	Manivasagam	-	-
Session : 2 10:20 - 11:10 am	Session : 2 10:20 - 11:10 am	Session : 2 9:20 - 9:55 am	-
17 mins each	14 mins each / 8 mins discussion	-	-

Ganga - Plenary Hall	Godavari - Parallel Hall	Brahmaputra - Parallel Hall	Narmada - Parallel Hall
The Big Talk - Debate	Here & there 9:00 - 10:15 am	Interesting cases - Unusual and the difficult	-
S K Parashar, R J Manjuran, R Alagesan	Vinod Vijan, Debika Chatterjee, S Balasubramanian	Chairpersons: Rupali Shah, Chandrappa / Moderators: Ashwin V, Bharat Patel	-
Cardiac amyloidosis - Echo is enough, I don't need MRI	Coronary sinus assessment by echo	Dead centre	-
Nitin Burkule	K Prabhavathi	Rupali Shah	-
Cardiac amyloidosis - Echo is not enough, MRI is a must	Pulmonary veins assessment by echo	Congenital LV apical aneurysm	-
J C Mohan	Sameer Shrivastava	Chandrappa	-
Rebuttals – 3 mins each	Evaluation of pulmonary regurgitation	Session 3 10.00 to 11.10 am	-
-	Dipankar Dutta	Speckle tracking	-
-	-	Chairpersons: Rupali Shah, Chandrappa Moderators: Ashwin V, Bharat Patel	-
-	-	Left Ventricular Global Longitudinal Strain: What do I need to know?	-
-	-	Rebecca Perry, Australia	-
-	-	The strain-free approach to understanding RV strain	-
-	-	Leah Wright, Australia	-
-	-	Performing GLS measurements routinely: Live Demo	-
-	-	Rebecca Perry, Australia	-
11:00 to 11:30 am			
TEA 			



Ganga - Plenary Hall	Godavari - Parallel Hall	Brahmaputra - Parallel Hall	Narmada - Parallel Hall
Inauguration 11:30 to 12:00 pm	Plenary Sessions	Plenary Sessions	-
Welcome & Lamp lighting	-	-	-
Lifetime achievement award	-	-	-
Session 3 12.15 to 1.10 pm	-	-	-
Roxy Senior, H K Chopra, Soumitra Kumar, K Raghu	-	-	-
Satish K Parashar Oration 20 mins	-	-	-
Echocardiography in rheumatic heart disease: Our journey	-	-	-
S Ramakrishnan	-	-	-
Bijoy Khandheria Oration 20 mins	-	-	-
Artificial Intelligence: From healthcare to echolab the good, the bad & the ugly	-	-	-
C K Ponde	-	-	-
1:15 to 2:00 pm			
LUNCH 			
Session 4 1.55 to 3.10 pm	Session 3 1.55 to 3.10 pm	General Session 4 1.55 to 3.10 pm	-
15 mins each / 15 mins discussion	11 mins each / 20 mins discussion	10 mins each / 2 mins discussion	-
Unhappy pericardium	Interesting cases - I was surprised & am still learning	Interesting cases - Rare & the infrequent	-
J C Mohan, A V Anjaneyulu, Soumitra Kumar	K Chandrasekharan, U P Singh, Manivasagam	S T Yavagal, Vivek Tandon	-
Constrictive pericarditis - How do I diagnose & which imaging to choose?	Rare combination of boon and bane	TBA	-
S K Parashar	Debika Chatterji	S Balasubramanian	-

Ganga - Plenary Hall	Godavari - Parallel Hall	Brahmaputra - Parallel Hall	Narmada - Parallel Hall
Effusive constrictive pericarditis – What is it?	A curious case of RV dilatation	Covid and the heart	-
S Shanmugasundaram	Vinayak Agrawal	N Ganesan	-
Pericardial effusion - When to do pericardiocentesis & how to guide by echo?	Heart in a covid patient	TBA	-
Rahul Mehrotra	Shantanu Sengupta	Rishikesh Shah	-
Masses in the pericardium – what are they?	GLS in stress echo	Carcinoid heart	-
R Alagesan	Vinod Vijan	Amita Singhal	-
-	Madhu Shukla	TBA	-
-	-	Rajesh Shah	-
Session 5 3.15 to 3.55 pm	Session 4 3.15 to 3.55 pm	Session 5 3.15 to 3.55 pm	-
15 mins each / 10 mins discussion	15 mins each / 10 mins discussion	Limited entry	-
Whats new?	Whats new?	Practical skills Lab	-
V Amuthan	Sameer Shrivastava	TEE simulator workshop	-
Guideline criteria of severe AS in classical LFLG during stress echo - Is it valid?	ClinicoEcho SGLT2: Navigation in recalcitrant HFpEF. Where are we today?	Live demo on mannequin - Important views, Tips & tricks to do TEE	-
Roxy Senior	H K Chopra	Nitin Burkule, Manish Bansal	-
Ebsteins anomaly: Role of CMRI in evaluating LV	New guidelines in the echo assessment of HFpEF	-	-
Nilda Espinola-Zavaleta	Navin C Nanda	-	-
3:15 to 4:15 pm (Break)		TEA 	
Session 6 4.15 to 5.15 pm	Session 5 4.15 to 5.15 pm	Session 6 4.15 pm onwards	-



Ganga - Plenary Hall	Godavari - Parallel Hall	Brahmaputra - Parallel Hall	Narmada - Parallel Hall
15 mins each / 15 mins discussion	15 mins each / 15 mins discussion	Limited entry	-
Echo shots	Echo shots	Practical skills Lab	-
Sanjay Mittal, Vinayak Agrawal	S Shanmughasundaram, Dipankar Datta	TEE simulator workshop	-
Arrhythmias during echo - How to tackle this challenge?	Echo in resuscitation	Delegate hands-on	-
R Alagesan	Naman Shastri	Nitin Burkule, Manish Bansal	-
Filling pressure by E/e' - How reliable is it?	Respiratory variations in echo - Friend or foe, what you should know	-	-
Sameer Shrivastava	Jesu Krupa	-	-
LA strain - When is it useful & which strain is important ?	Valsalva maneuver in echo - How to do it & when should it be used?	-	-
Shantanu Sengupta	Harin Vyas	-	-
Session 7 5.20 pm onwards	-	-	-
15 mins each / 10 mins discussion	-	-	-
Industry updates - Pfizer	-	-	-
TBA	-	-	-
Confidence to concur ATTR-CM: Approach to diagnosis and management with Tafamidis	-	-	-
TBA	-	-	-

Congress

Date: 19th November, 2022

Day 2

Ganga - Plenary Hall	Godavari - Parallel Hall	Brahmaputra - Parallel Hall	Narmada - Parallel Hall
-	-	Pediatric & Congenital Heart Disease	Sonographer Special
Session 1 8.30 to 9.45 am	Session 1 8.30 to 9.45 am	Session 1 8.30 to 9.45 am	Session 1 8.00 am to 8.40 am
15 mins each / 15 mins discussion	11 mins each / 20 mins discussion	15 mins each / 15 mins discussion	-
Here & there	Interesting cases - Rare & the infrequent	Basic & the complex	3D echo
C K Ponde, Aniruddha De, Vinod Vijan	S Shanmugasundaram, Dipankar Datta, Nandita Chakrabarti	I B Vijayalakshmi, Munesh Tomar	Chair: Rupali Shah, Nanda Kulkarni, A Tawade / Moderators: Ashwin V, Bharat Patel
Extra cardiac compression of chambers - What are the causes?	TBA	Imaging tips for evaluating congenital heart disease in the child	Every sonographer can perform a 3D study! Tips and Tricks
Debika Chatterji	Rahul Mehrotra	Debadatta Mukhopadhyay	Madeline Jankowski, USA
Pacemaker in the heart - What should you look for?	TBA	Aortic outflow obstruction in children	Let's look at the valves using 3D Echocardiography
Ashok Garg	R Alagesan	Smita Mishra	Keith Collins, USA
Lung ultrasound in heart failure - It is time you started doing this	TBA	Aortopulmonary shunts	Session 2 8.45 to 10.00 am
Shantanu Sengupta	S Veeramani	Amit Misri	Interventional echo
Echo in ventilator patients - What should you be aware of	TBA	Practical points & pitfalls in the evaluation of Kawasaki disease	Chair: Krishna Nayak, Sangeeta Porwal, Chandrappa / Moderators: Ashwin V, Bharat Patel
Rakesh Gupta	Sameer Shrivastava	Saji Philips	Role of Echo in Transcatheter Aortic Valve Implantation (TAVI)
-	TBA	-	Bianca Coelho, Australia

Ganga - Plenary Hall	Godavari - Parallel Hall	Brahmaputra - Parallel Hall	Narmada - Parallel Hall
-	Rakesh Gupta	-	Role of Echo in the Mitra Clip Intervention (includes Live Demo)
-	-	-	Team Abbot, Australia
Session 2 9.50 to 11.05 am	Session 2 9.50 to 11.05 am	Session 2 9.50 to 11.05 am	Session 3 10.05 to 11.15 am
15 mins each / 15 mins discussion	15 mins each / 15 mins discussion	14 mins each / 15 mins discussion	8 mins + 2 mins discussion
JIAE&cvi Special Session: Manuscripts and submissions – Author tips	Imaging beyond echo - It is invaluable!	Sudden and the unexpected	Sonographer competition - Best original research
S K Parashar, H K Chopra, Rakesh Gupta, Sameer Shrivastava	K Chandrasekharan, Sanjay Mittal, Vinayak Agrawal, Johan Christopher	Saji Philips, Smita Mishra	Shantanu Sengupta, Rohit Tandon, Ashwin V
Study well begun is half done: Planning & protocol make a difference	Cardiac MRI for the beginner – How to read it	Echo in the premature child	TBA
J C Mohan	Priya Chudgar	I B Vijayalakshmi	-
Key points to remember when writing a paper	PET CT in myocardial inflammatory diseases	Foetal echo & arrhythmias	-
Nitin Burkule	G N Mahapatra	U P Singh	-
Grave mistakes author makes after submission / About JIAE cvi	Cardiac MRI in heart failure	Strain imaging in children	-
Manish Bansal	Mona Bhatia	Munesh Tomar	-
Choosing the right journal for submission	Non-coronary uses of cardiac CT	Echo in a collapsed baby	-
S Ramakrishnan	Johan Christopher	BRJ Kannan	-

11:05 to 11:25 am (Break)

TEA



"I diet religiously. I eat what I want and pray I don't gain weight."




Ganga - Plenary Hall	Godavari - Parallel Hall	Brahmaputra - Parallel Hall	Narmada - Parallel Hall
Session 3 11.25 am to 12.40 pm	Plenary Session	Plenary Session	Plenary Session
15 mins each / 15 mins discussion	-	-	-
IAE - Euro Session	-	-	-
S K Parashar, J C Mohan, Nitin Burkule, Soumitra Kumar	-	-	-
Fabiola Sozzi	-	-	-
Myocardial viability by echo	-	-	-
Sanjay Mittal	-	-	-
HyperDoppler	-	-	-
Donald Mele	-	-	-
LV diastolic dysfunction: Looking beyond the E/e'	-	-	-
Samir Saha	-	-	-
Session 4 12.45 to 1.15 pm	-	-	-
Navin C Nanda Oration - 20 mins	-	-	-
H K Chopra, C K Ponde, R Alagesan, Rakesh Gupta	-	-	-
Clinical benefits of myocardial perfusion by echo	-	-	-
Roxy Senior	-	-	-
	-	-	-
1:15 to 2:00 pm			
LUNCH 			



Ganga - Plenary Hall	Godavari - Parallel Hall	Brahmaputra - Parallel Hall	Narmada - Parallel Hall
Session 5 2:00 pm to 3:10 pm	Session 3 2:00 pm to 3:50 pm	Session 3 2:00 pm to 3:10 pm	General Session 4 2:00 pm to 3:50 pm
14 mins each / 15 mins discussion	14 mins each / 15 mins discussion	20 mins each / 10 mins discussion	15 mins each / 20 mins discussion
Challenging scenarios	Valve fundas	Congenital & pediatric transcatheter interventions & role of echo	Hot spots
R J Manjuran, R Alagesan, U P Singh, Manish Bansal	V Amuthan, S T Yavagal, Vivek Tandon, Debika Chatterjee	Amit Misri, Debadatta Mukhopadhyay	A V Anjaneyulu, Satish Govind, B R Mishra, Manish Bansal
4D echo in routine practice - It makes a difference	Tricuspid annular disjunction	ASD device closure - The difficult ones	Interesting M-mode images
Mahesh Babu	R Alagesan	R Prakash	S K Parashar
Limitations of echo in PH assessment	High gradients in mitral prosthesis - What can it be ?	Transcatheter therapy of coarctation of aorta - My experience	My errors in echolab and what I learned from it
Rakesh Gupta	Reeta Varyani	I B Vijayalakshmi	K Chandrasekharan
Stress echo in the era of coronary CT imaging	High gradients in aortic prosthesis - What can it be ?	Interesting cases - From my archives	Diagnose with a single interesting image - How well do you know your echo?
Roxy Senior	Nitin Kabra	Shreesha Maiya	C K Ponde
Tissue Doppler imaging - Where is it useful in today's practice?	Mixed valve disease assessment Stenotic lesions severity: Valve area or gradients?		Challenging Doppler / TDI images
Sunil Bohra	Vinayak Agrawal	-	Mohan J C
-	Mitral annular calcification & caseomas	-	Young adults with CHD presenting with heart failure
-	Simmi Manocha	-	S Ramakrishnan
Session 6 - 3.15 to 3.50 pm	Session 4 - 3.15 to 3.50 pm	Session 4 - 3.15 to 3.50 pm	Stiff heart: Echo assessment correlating with cardiac physiology
15 mins each / 5 mins discussion	15 mins each / 5 mins discussion	30 mins	C Rajiv
Whats new?	Onco echo	Are you ready?	-
Ashok Omar, Harin Vyas	Prabhavathi, Rahul Mehrotra	Saji Philips, BRJ Kannan	-

Ganga - Plenary Hall	Godavari - Parallel Hall	Brahmaputra - Parallel Hall	Narmada - Parallel Hall
Applications of artificial intelligence in echo	Cancer associated thrombosis	Read with me - Challenging congenital echo images	-
Akhil Narang	Amita Singhal	Munesh Tomar	-
Role of exercise in pulmonary hypertension	Cardiac abnormalities seen on echo following radio therapy	-	-
Sudhir Wahi	Rohit Tandon	-	-
3:50 to 4:10 pm (Break)			
		TEA 	
Session 7 4.10 to 5.20 pm	Session 5 4.10 to 5.20 pm	Session 5 4.10 to 5.05 pm	Session 5 4.10 to 5.20 pm
15 mins each / 10 mins discussion	15 mins each / 10 mins discussion	10 mins each / 2 mins discussion	10 mins each / 2 mins discussion
Aorta is in trouble	Rise and rise of structural heart interventions	Congenital echo best case competition	Interesting cases - Rare & the infrequent
J C Mohan, Nitin Burkule, Rahul Mehrotra	Sameer Shrivastava, C K Ponde, C Rajiv	I B Vijayalakshmi, Munesh Tomar, Smita Mishra	Raghu K, Shantanu Sengupta
What diseases can affect the aortic root?	Echo guided septal puncture in transcatheter interventions	Acute rupture of left sinus of valsalva	TBA
Rakesh Gupta	Prayaag Kini	Danish Ahmad	Aniruddha De
Echo in type B Aortic dissection	Transcatheter mitral valve replacement	An unexpected guest at the exit - Rare tunnel	MVR & AVR - Interesting post op complications
A V Anjaneyulu	Manish Bansal	Deepak Valiya	Vivek Tandon
When to intervene in significant aortic regurgitation?	Pre-procedural assessment for TEER	Sequential segmental analysis in complex CHD	Adult ALCAPA
R J Manjuran	Satish Govind	Sudheer Kumar P	Ashok Garg
Aortic atheromas & their implications	Peri-procedural guidance for TEER	Serial obstructions	Fetal intracardiac echogenic foci - Mystery revealed
Ashok Omar	K Chandrasekharan	Jahangir A Naseem	Saji Philips
			TBA
			-
			Atul Karande

Ganga - Plenary Hall	Godavari - Parallel Hall	Brahmaputra - Parallel Hall	Narmada - Parallel Hall
-	Session 8 5.25 pm onwards	Session 6 5.15 pm onwards	-
-	TBA	TBA	-
-	Industry updates - Abbott	Industry updates - GE	-
-	-	Speckle strain – Practical tips	-
		Manish Bansal, Nitin Burkule, Manivasagam	
General Body Meeting - 6.00 pm onwards			
Delegate Dinner - 8.00 pm onwards 			



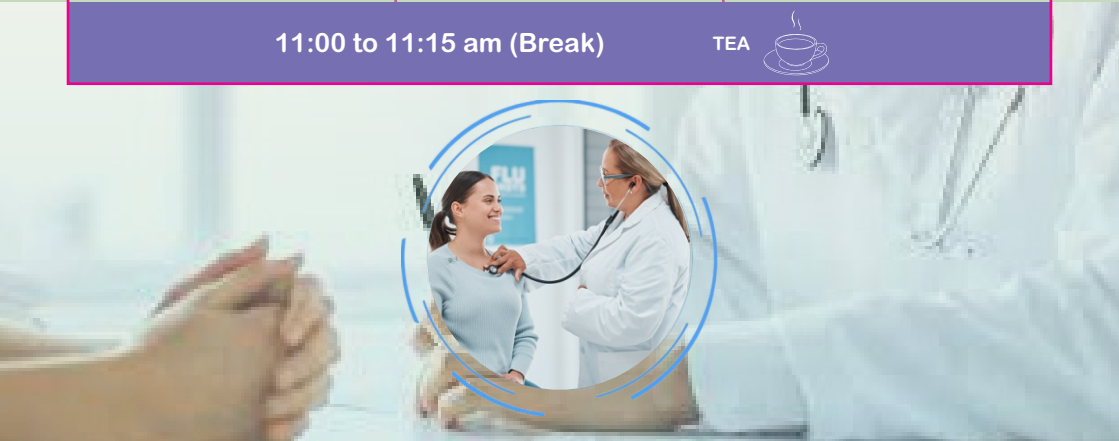
Congress

Date: 20th November, 2022

Day 3


Ganga - Plenary Hall	Godavari - Parallel Hall	Brahmaputra - Parallel Hall
-	-	Sonographer Special
Session 1 8.20 to 9.40 am	Session 1 8.20 to 9.40 am	Session 1 8.00 to 8.40 am
8 mins + 2 mins discussion	8 mins + 2 mins discussion	-
IAE All-India inter-institutional best case competition	Journal of IAE best case competition	Pediatric echo
S Shanmugasundaram, I B Vijayalakshmi, C K Ponde	Rakesh Gupta, Sameer Shrivastava, S Ramakrishnan	Chair: Krishna Nayak, Nanda Kulkarni
Traffic jam on both the highways – Hypertrophied heart	A rare complication following inferior wall STEMI	Coronary Artery Abnormalities
E Prasad, Sri Sathya Sai Institute, Bengaluru	Bency Baby	Brittany Byrd, USA
Cardiac mass in a young male - The devil is in the details	An interesting case of reversible LVOT obstruction	TBA
Ramanathan V, JIPMER Puducherry	Arun Kumar	Melissa Wasserman, USA
Rapid two stage operation - Stretching the limits	Double trouble	Session 2 8.45 to 9.30 am
TBA, AIIMS, Delhi	Khundrakpam Yoihenba	Sonographer growth and career development
Complicating tricuspid valve endocarditis	Give me some space	Ashwin V
Dhiviya M, MMC, Madurai	Krishna Sagar G	Acquiring the RCS credential: Application and Exam preparation
Familiar foe in unfamiliar territory - A rare case in a neonate	Ticking bomb	Bharat Patel, USA
Suhas Alur S, GMC Kozhikode	P Manohar	Sonographers and the American Society of Echocardiography
The masquerader	The mass effect	David Adams, USA
Samarasimha Reddy, SJIC, Bengaluru	P Senthilnathan	Cardiac sonographers in India
Cure of the obscure - Uncommon causes of LV dysfunction	The masquerading aneurysm	Team India

Ganga - Plenary Hall	Godavari - Parallel Hall	Brahmaputra - Parallel Hall
Aditya John B, CMC, Vellore	Shobit Joseph	Session 9.35 to 10.10 am
-	-	What's new and exciting in echocardiography?
-	-	Ashwin V
-	-	Robotics in Echocardiography
-	-	Bharat Patel, USA
Session 2 9.45 to 11.00 am	Plenary Session	Artificial Intelligence & Augmented Reality
15 mins each / 15 mins discussion	-	Naveena Yanamala, USA
IAE – ASE joint session	-	Session 4 10.15 to 11.15 am
S K Parashar, H K Chopra, A V Anjaneyulu, V Amuthan	-	8 mins each + 2 mins discussion
Tricuspid regurgitation in mitral valve disease - The Achilles heel	-	Sonographer best case competition
Manish Bansal	-	Rahul Mehrotra, Sunil Bohra, Bharat Patel
Strain imaging in valvular heart disease	-	TBA
Sunil Mankad	-	-
Transcatheter closure of aortic paravalvular leaks	-	-
Mohammed Saric	-	-
There is no such thing as moderate valve disease - Rethinking the conventional approach	-	-
Mani Vannan	-	-
11:00 to 11:15 am (Break)		TEA 



Ganga - Plenary Hall	Godavari - Parallel Hall	Brahmaputra - Parallel Hall
Session 3 11.15 to 12.00 pm	Plenary Session	Plenary Session
10 mins + 3 mins discussion	-	-
Original research - JIAE&cvi best paper award	-	-
R J Manjuran, K Raghu, Manish Bansal, Satish Govind	-	-
Flexilight evaluation of BMV & mechanism of split in calcific MS	-	-
Ananth R V A	-	-
Role of GCS in NSTEMI with initial non-diagnostic ECG and troponin	-	-
Sidhant Sachdeva	-	-
CPC correlation of cardiac myxoma - Insights from a cardiac centre	-	-
Sriranga R	-	-
Session 4 12.05 to 12.30 pm	-	-
Natesa G Pandian oration - 20 mins	-	-
Advances in 3D echo: TEE vs TTE	-	-
Amuthan V	-	-
Session 5 12.35 to 2.00 pm	-	-
8+2 mins each	-	-
Natesa G Pandian best case competition	-	-
R Alagesan, Nitin Burkule, U P Singh	-	-
Not all are degenerative	-	-
S Balamurugan	-	-
An unusual case of cardiomyopathy in an infant	-	-

Ganga - Plenary Hall	Godavari - Parallel Hall	Brahmaputra - Parallel Hall
Sataroopa Mishra	Plenary Session	Plenary Session
Cuidadoso! Big surprise ahead	-	-
Kushal N C	-	-
A rare case of an isolated mitral valve abnormality	-	-
Mayuri Mhatre	-	-
A delayed septal rupture	-	-
Greeshma S	-	-
The way to a man's heart is through his stomach	-	-
Voruganti Nithin	-	-
Pericardial effusion, ventricular tachycardia and a vanishing RVOT	-	-
Neeta Bachani	-	-
Cardiac mass in a middle aged female – Expect the unexpected	-	-
Nikhil Singhanian	-	-

2:00 pm onwards LUNCH 

Winners Announced

Prizes Given

