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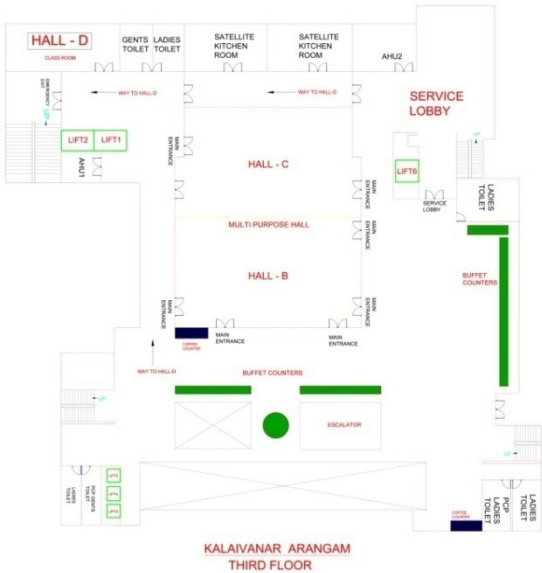
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ROHIT TANDON (Ludhiana)
SAI SATHEESH (Chennai)
SAJI PHILIP (Mannar)
SANJAY MEHROTRA (Bengaluru)
SANJEEV GERA (Delhi)
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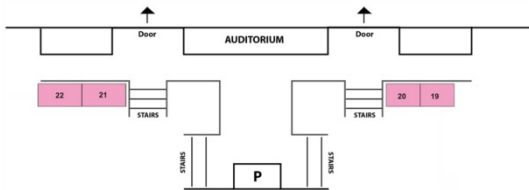




KALAIVANAR ARANGAM
SECOND FLOOR



KALAIVANAR ARANGAM FIRST FLOOR EXHIBITION AREA



KALAIVANAR ARANGAM SECOND FLOOR - STALLS

STALLS (3M X 2M)

PROGRAM AT A GLANCE – THURSDAY, 4TH OCTOBER 2018

Preconference Workshop

Parallel sessions on same topic

Time	Hall A	Hall B	Hall C	Hall D	Hall E
8.30 - 8.45 am	Welcome & Orientation of venue				
8.45 - 9.00 am	Welcome & Orientation of course				
9.15 - 10.25 am	How to perform an ideal echo and doppler study: Back to basics				
10.30 - 10.50am	Tea break				
10.50 - 12 noon	Pulmonary hemodynamics in clinical practice				
12.05 - 1.15 pm	Congenital Heart Disease : What all you need to know in ASD & VSD				
1.30 - 2.30 pm	Ticketed Luncheon Session : Workshop on Myocardial Strain Imaging				
2.40 - 3.40 pm	Valvular Regurgitation: Basic & advanced techniques in evaluation & quantification				
3.40 - 4.00 pm	Tea break				
4.00 - 5.15 pm	Basics and clinical application of 3 D echo with practical demonstration				

6.00pm IAE – Executive committee meeting

PROGRAM AT A GLANCE – FRIDAY, 5TH OCTOBER 2018

Time	Hall A	Hall B	Hall C
8.30 – 9.30 am	Case studies	Case studies: Congenital Heart Disease	Case studies
9.30 -10.30 am	Symposium – Assessment of Nonhypertensive LVH	Symposium: Congenital Heart Disease	
10.40 – 11.00 am	Coffee break		
11.00 am- 1.00 pm	Plenary session		
11.00 - 11.20 am	Annual IAE Lecture		
11.25 - 11.45 am	Navin C. Nanda oration		
11.50 am -1.10 pm	Symposium – Aortic Stenosis: From history to intervention		
1.10 - 2.00 pm	Lunch		
2.00 – 3.00 pm	Symposium – 3 D Echo	Symposium - Strain Imaging	Workshop: Back to basics for beginners & sonographers
3.00 – 4 pm	Symposium – Diastology	Special Lectures on Heart Failure	
4.00 – 5.20 pm	Echo vignettes	Case studies	Case studies: Amalgamation of International & National Faculty
5.30 – 6.30 pm	Inaugural Function in Hall A		
1.30 – 5.30 pm	HALLS D & E - ACCREDITATION TEST		

2.15 pm Leadership meeting – EACVI & IAE - Board room

7.30 pm Fellowship ceremony & Faculty dinner

PROGRAM AT A GLANCE – SATURDAY, 6TH OCTOBER 2018

TIME	Hall A	Hall B	Hall C
8.15 – 9.30am	'I am the Best'- Special case study competition	Case studies: Congenital heart disease - 2	Case studies
9.30 – 10.30 am	Special Echo salsa session	Symposium: Congenital heart disease - 2	
10.30 – 10.45 am	Coffee break		
10.45 am-1.15pm	Plenary session		
10.50- 11.50 am	Symposium: Joint Academic session with EACVI		
11.55am- 12.15pm	Bijoy Khanderia Presidential Oration		
12.15 - 1.15 pm	Symposium – Valvular Regurgitation		
1.15 – 2.00 pm	Lunch		
2.00 – 3.00 pm	Echo vignettes	Symposium: a Mixed bag of great topics	Free paper session Revisiting the basics
3.00 – 4 pm	Interpret Doppler strips shown by the masters		
3.00 – 4 pm	Interpret Stress Echo with masters: Ischemic & Nonischemic	3.40 – 4 pm Coffee break	
4.00 – 4.20 pm	Coffee Break		A Merger of International & National Icons to solve your day to day problems
4.20 – 5.45 pm	Cases exotica	Case studies	
6 pm onwards	IAE – General Body Meeting in Hall A		

1.40 – 2.00 pm HALL D - LUNCHEON MEETING – WIPRO GE

PROGRAM AT A GLANCE – SUNDAY, 7TH OCTOBER 2018

TIME	HALL A	HALL B	HALL C
8.30 – 9.30 am	Early morning unforgettable cases from around the globe	Sonographers' Session – Case study competition	Mind blowing cases of complications of CAD & TEE
9.30 – 10.05 am	IAE – Young Investigators research award session	Sonographers educative symposium	
10.05 – 10.25 am	Coffee break		
10.30 am – 2.00 pm	Plenary session		
10.30 – 10.50 am	Natesa G. Pandian oration		
10.50 - 11.05 am	Special lecture Dr. Mani Vannan		
11.10 am – 12.40 pm	Natesa G. Pandian case study competition		
12.45 – 1.45 pm	Grand intercontinental echo missiles delivery: Echo jeopardy		
1.45 – 2 pm	Valedictory Function		

2 pm Lunch



ECHO INDIA 2018



ECHO INDIA 2018
Preconference Workshop: Thursday, 4th October 2018
Assembly in Hall A

Venue:

Kalaivanar Arangam, Chennai, Tamil Nadu 600005

8.30 AM – 8.45 AM: Assembly, Welcome & Orientation of Venue:
G. Gnanavelu, Organizing Secretary

8.45 AM - 09.00 AM: Welcome & orientation of course:
S Shanmugasundaram, Sameer Shrivastava, Scientific Chair,

Pattern of various sessions:

- (a) Introduction of topic
- (b) How to acquire
- (c) How to measure
- (d) How to analyze and interpret
- (e) How to report and conclude
- (f) We show a case and you interpret
- (g) Recorded case demonstration in sessions where applicable

Preconference Workshop, Thursday, 4th October 2018

TOPIC	HALL	SESSION INCHARGE
<p>TIME: 09.15 am – 10.25 am</p> <p>How to perform an ideal echo and Doppler study : Back to basics</p>	A	U.P. Singh (Chandigarh) Mohammed Ullah Firoze (Bangladesh)
1. Role of controls on the Echo machine & their setting	B	Aniruddha De (Kolkata) Rajat Subhra Ghose (Kolkata)
2. What are various ideal echocardiographic 2D views and their echo-anatomic correlation?	C	Nitin Burkule (Mumbai) Rishikesh Shah (Mumbai)
3. Basic measurements: the right way 3A: Artifacts – how to recognize & how to eliminate?	D	Manish Bansal (Gurugram) Hardeep Grewal (Gurugram)
4. Basics of clinical Doppler		
5. How to optimize ideal Spectral Doppler and Color Flow mapping?		<i>Expert Critique:</i> S.K.Parashar (Delhi)
6. Nyquist limit simplified. When to choose PW and CW Doppler? The usual mistakes made and their solution	E	S. Natarajan (Coimbatore) Gaurav Kapoor (Amritsar)
7. Reporting format – minimum requirements		<i>Expert Critique:</i> R.Alagesan (Chennai)
10.30 -10.50 am	Tea break	

Preconference Workshop, Thursday, 4th October 2018

TOPIC	HALL	SESSION INCHARGE
<p>TIME: 10.50 am – 12 noon</p> <p>Pulmonary hemodynamics in clinical practice</p> <p>1. RA pressure</p> <ul style="list-style-type: none"> • IVC method • Hepatic vein flow reversals • Tricuspid valve Doppler <p>2. Pulmonary artery peak and mean pressures, 2-D Semiquantitative & Doppler quantitative methods</p> <ul style="list-style-type: none"> • How do I measure RV pressure in cases of VSD, PDA? • PA diastolic pressure by PR jet • How do I measure RA volume, tricuspid and pulmonary annulus? • RV functions in daily practice like RVFAC, TAPSE, RV-TDI 	A	S.K. Parashar (Delhi) Shazana Zaman (Bangladesh) Sabina Hashem (Bangladesh)
	B	Rohit Tandon (Ludhiana) Sunil Bohra (Bengaluru) <i>Expert Critique</i> Raj Janardhanan (USA)
	C	R.J. Manjuran (Kochi) Debika Chatterjee (Kolkata) <i>Expert Critique:</i> K.Chandrasekaran (USA)
	D	S.Shanmugasundaram (Chennai) R. Manivasagam (Trichy)
	E	G. Vijayaraghavan (Trivandrum) Rachel Daniel (Kollam)

Preconference Workshop, Thursday, 4th October 2018

TOPIC	HALL	SESSION INCHARGE
<p>TIME: 12.05 pm– 01.15 pm</p> <p>Congenital heart disease – what all you need to know in ASD, VSD</p> <ol style="list-style-type: none"> 1. Ideal views for evaluation. Basic hemodynamics 2. Anatomical types of ASD 3. Current nomenclature of ASD rims on TTE and TEE 4. Anatomical types of VSD 5. How to assess their severity clinically & by echo for intervention? 6. Intervention: When to do, how to do and when not to do? 	A	K. Sivakumar (Chennai) Ritchie Solomon (Chennai)
	B	Munesh Tomar (Meerut) Smita Mishra (Delhi) <i>Expert Critique:</i> Hala El Marsafawy (Egypt)
	C	S.Ramakrishnan (Delhi) C.S.Muthukumaran (Chennai) <i>Expert Critique:</i> Sonia El Saiedi (Egypt)
	D	B.R.J. Kannan (Madurai) Satish Kumar (Madurai)
	E	K.M. Krishnamoorthy (Trivandrum) Saji Philip (Mannar) <i>Expert Critique:</i> I.B. Vijayalakshmi (Bengaluru)

Preconference Workshop, Thursday, 4th October 2018

Topic	HALL	SESSION INCHARGE
<p>TIME: 01.30 pm – 0.2.30 pm Lunch</p> <p>Workshop on Myocardial Strain imaging: (Ticketed Session)</p> <p>Limited to 200 delegates</p> <ul style="list-style-type: none">• What is strain? How to perform speckle –tracking echo?• How to analyze and interpret especially GLS?• Clinical applications• Value of Bulls Eye Plot or AFI in coronary artery disease & cardiomyopathies• Limitations	A	<p>Rakesh Gupta (Delhi)</p> <p>V. Vatsala Sree (Vellore)</p> <p><i>Expert Critique:</i></p> <p>Mani Vannan (USA)</p>

Preconference Workshop, Thursday, 4th October 2018

TIME: 02.40 pm - 3.40 pm

Valvular regurgitation: Basic & advanced techniques in evaluation & quantification.

1. Introduction
2. Mechanism of types of regurgitation
3. Demonstration of various techniques for evaluation of severity
4. The top common errors in evaluation of severity and their solution
5. When and how to intervene?

A	Sameer Shrivastava (Delhi) Arif Mustaqueem (Delhi) <i>Expert Critique:</i> G. Vijayaraghavan (Trivandrum)
B	A.K. Omar (Delhi) Atul Karande (Indore) <i>Expert Critique:</i> R.J.Manjuran (Kochi)
C	Simmi Manocha (Faridabad) Rekha Mishra (Delhi) <i>Expert Critique;</i> Rajat Mohan(Delhi)
D	Shantanu Sengupta (Nagpur) Ashok Garg (Jaipur)
E	C.K.Ponde (Mumbai) Mohsin Ansari (Mumbai)

TIME: 03.40 pm – 04.00 pm Tea Break

Pre-Conference Workshop, 4th October 2018

Topic	HALL	Session Incharge
<p>TIME: 4.00 pm – 5.15 pm</p> <p>Basics and clinical application of 3D Echo with practical demonstration</p> <ol style="list-style-type: none"> Basic concepts of optimizing a 3D image; demonstration of cropping modalities & controls Left ventricular tomographic views: Biplane, Triplane & Multiplane LV 3D volume calculation Step by Step: Gold standard of EF 3D evaluation of ASD 3D evaluation of tricuspid valve 3D evaluation of mitral valve 3D evaluation of aortic valve 	A	R. Alagesan (Chennai) K. Raghu (Hyderabad) <i>Expert Critique:</i> Aasha Gopal (USA)
	B	V. Amuthan (Madurai) S.Balasubramanian (Madurai) <i>Expert Critique:</i> K. Chandrasekaran (USA)
	C	Rakesh Gupta (Delhi) S.R. Veeramani (Madurai) <i>Expert Critique:</i> Mani Vannan (USA)
	D	K.K.Kapur (Delhi) Satish Govind (Bengaluru)
	E	Vinayak Agrawal (Gurugram) Rahul Mehrotra (Delhi) <i>Expert Critique:</i> Raj Janardhanan (USA)

6.00 pm IAE – Executive Committee Meeting:
 The Park Hotel , Nungambakkam High Road, Chennai

Day 2, Friday, 5th October 2018 Hall - A

TIME: 8.30 - 9.30 am Case studies (6 + 2 mins)

Chairpersons: A K Omar, Aniruddha De, A Balaguru

What is the cause of severe AR	U.P.Singh (Chandigarh)
Contrast echo in LA mass	Sweety Thakkar (Thane)
A case of LV amputation	P.Krishnam Raju (Hyderabad)
Systolic regurgitation and diastolic ejection	Rishikesh Shah (Thane)
A case of MR- What is the etiology	R. Alagesan (Chennai)
Echo before PAMI	Amit Ghatge (Thane)
A rare cause of cardioembolic stroke in a young adult	Vasant Bikkad (Mumbai)

TIME: 9.30 - 10.30 am

Symposium – Assessment of Non-Hypertensive LVH (15 mins. each)

Chairpersons: K. Chandrasekaran, S. N. Rautrey, S.T. Yavagal, S. Natarajan

Echo measurements of LVH : M-mode, 2 D and 3 D, Are we overdiagnosing LVH as per ASE criteria?	Rajat Mohan (Delhi)
Phenotypic expression of hypertrophic cardiomyopathy	S. Shanmugasundaram (Chennai)
Rare cardiomyopathies	R. Alagesan (Chennai)
Athletes heart or Cardiomyopathy or Hypertension : clinical case examples	Thomas Binder (Austria)
Discussion	10 mins

TIME: 10.40 - 11.00 am Coffee break

Day 2, Friday, 5th October 2018 Hall - A

TIME: 11.00 am - 1.00 pm Plenary session

TIME: 11.00 am - 11.20 am Annual IAE Lecture

Chairpersons: G.Gnanavelu, Mira Govindarajan, K. Raghu

The Many Faces & Challenges of Imaging in Heart Transplant	Satish Govind (Bengaluru)
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TIME: 11.25 - 11.45 am Navin C Nanda Oration

Chairpersons : Satish K. Parashar, A. George Koshy, Rajat Mohan

Uptodate Assessment of Left Ventricular Systolic Function	Thor Edvardsen (Norway)
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TIME: 11.50 am – 1.10 pm Symposium – Aortic Stenosis : from history to intervention (15 mins. each)

Chairpersons: Aasha Gopal, Prabhavathi, Gaurav Kapoor, Nitin Kabra

Hemodynamic classification: Does it have an impact on management?	Aasha Gopal (USA)
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Commonly encountered errors and their solution in evaluating gradient and valve area	Sameer Shrivatsava (Delhi)
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Management of severe asymptomatic aortic stenosis: Controversies beyond guidelines	Nitin Burkule (Thane)
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Desperate men seek desperate measures	Sai Satheesh (Chennai)
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Post TAVR evaluation and expected complications	Raj Janardhanan (USA)
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Discussion	5 mins.
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Day 2, Friday, 5th October 2018 Hall - A

TIME: 1.10 - 2.00 pm Lunch & Visit Exhibits

TIME: 2.00 - 3.00 pm Symposium – 3-D Echo (13 mins. each)

Chairpersons: K. Raghu, Vinayak Agrawal, Arif Mustaqueem

3-D artifacts and pitfalls	Rahul Mehrotra (Delhi)
3-D assessment of right heart pathology	Aasha Gopal (USA)
Role of 3-D in mitral valve pathology	R. Alagesan (Chennai)
Complications after cardiac devices: Role of 3-D echo	K. Chandrasekaran (USA)

TIME: 3.00 – 4.00 pm Symposium – Diastology (15 mins. each)

Chairpersons : R.J. Manjuran, Aniruddha De, S. Balasubramanian, M. Nandakumaran

Physiology of diastole – simplified	Fabiola Sozzi (Italy)
Review of guidelines – Are they perfect? – case examples	J. C. Mohan (Delhi)
Uses and abuses of Tissue Doppler imaging	K. K. Kapur (Delhi)
RV diastolic function : Fact or fiction	G.Prathap Kumar (Chennai)
Discussion	10 mins

Day 2, Friday, 5th October 2018 Hall - A

TIME: 4.00 – 5.20 pm Echo Vignettes (6 mins. each)

Chairpersons: Geetha Subramanian, Rakesh Jalota, Trinath Mishra, Rekha Mishra

Indications and outcomes of alcohol septal ablation in severe left ventricular outflow tract obstruction	Aasha Gopal (USA)
Pulmonary hypertension – How can echo-doppler help in the management?	Simmi Manocha (Delhi)
Thyrotoxic heart	Shantanu Sengupta (Nagpur)
Rapid fire cases where venous contrast echo helped me	S. Ramakrishnan (Delhi)
Pitfalls in diagnosis of MVPS	Rohit Tandon (Ludhiana)
Cardio-oncology: when and how should I modify treatment based on GLS	Hardeep Grewal (Gurugram)
Cardiogenic shock due to inotropes	Nitin Burkule (Thane)
How to differentiate the normal from abnormal structures in RA	I. B. Vijayalakshmi (Bengaluru)
Masquerades of vegetations	Rahul Mehrotra (Delhi)
Mimickers of ischemic heart disease	R. J. Manjuran (Kochi)

Day 2, Friday, 5th October 2018 Hall - A

Unroofed coronary sinus	B. R. J. Kannan(Madurai)
Does this patient have restrictive cardiomyopathy	Arif Mustaqueem (Delhi)
Discussion	5 mins

TIME: 5.30 – 6.30 pm Inaugural Function

TIME : 7.30 pm Fellowship Ceremony & Faculty Dinner

The Park Hotel, Nungambakkam high road, Chennai

Day 2, Friday, 5th October 2018 Hall - B

TIME: 8.30 - 9.30 am Case Studies: Congenital Heart Disease
(6 + 2 mins)

Chairpersons: I.B. Vijayalakshmi, Smita Mishra, Sathish Kumar,
Gnanasambandam

Fetal echocardiographic diagnosis of congenital LV pouching – Diverticulum or aneurysm: Does it matter prognostically?	Atul Karande (Indore)
Infant presenting with severe respiratory distress	Hala El Marsafawy (Egypt)
Yet to be reported entity of bicuspid pulmonary and aortic valve with ??	Munesh Tomar (Meerut)
An exceptional case of VSD	K.K. Kapur (Delhi)
Dobutamine stress echo in low gradient aortic stenosis with severe LV dysfunction in a child	Sudeep Verma (Hyderabad)
Prominent elongated Eustachian valve : Can it be a real problem?	Sonia El Saiedi (Egypt)
Chordae or fenestrations of aortic valve	U.P. Singh (Chandigarh)

Day 2, Friday, 5th October 2018 Hall - B

TIME: 9.30 - 10.30 am Symposium: Congenital Heart Disease -1

Chairpersons : Hala El Marsafawy, K. Sivakumar, Richie Solomon

Valvular pulmonary stenosis : The spectrum and how to manage	Sonia El Saiedi (Egypt)
Evaluation of transposition of great arteries (case based presentation)	Munesh Tomar (Meerut)
Role of 4-D echo in decision making in CHD	I.B. Vijayalakshmi (Bengaluru)
Ring and linear structures in routine echocardiogram	Saji Philip (Mannar)
Discussion	10 mins

TIME: 10.40 - 11.00 am Coffee break

TIME: 11.00 am - 1.00 pm Plenary session In Hall A

TIME: 1.00 - 2.00 pm Lunch & Visit Exhibits

Day 2, Friday, 5th October 2018 Hall - B

TIME: 2.00 - 3.00 pm Symposium : Strain Imaging (12 mins. each)

Chairpersons: Rajat Mohan, Sanjay Mehrotra, S.R. Veeramani

Basic understanding of strain imaging for beginners	Manish Bansal (Delhi)
Value of strain imaging in heart failure	G. Vijayaraghavan (Trivandrum)
Strain guided management of CAD	V.Amuthan (Madurai)
Current status of right ventricular strain	R.Manivasagam (Trichy)
Discussion	10 mins.

TIME: 3.00 – 4 .00 pm Special Lectures on Heart Failure (13 mins. each)

Chairpersons: J.C. Mohan, Prabhavathi, N. Swaminathan

Prediction of heart failure by ECHO	Soumitra Kumar (Kolkata)
How should we follow up patients of heart failure	P. Krishnam Raju (Hyderabad)
Reversible non-ischemic heart failure	Rachel Daniel (Kollam)
How does echo help in management of systolic heart failure	S.R. Veeramani (Madurai)

Day 2, Friday, 5th October 2018 Hall - B

A child of 4 years has heart failure: How do I approach?

Smita Mishra
(Greater Noida)

Discussion

5 mins

TIME: 4.00 - 5.20 pm Case studies (5 + 2 mins)

Chairpersons: K.M.Krishnamurthy, Vinod Vijan, Rishikesh Shah, Atul Karande, G. Palanisamy

An unusual case of infective endocarditis

Amith.R. (Bengaluru)

Pseudoaneurysm of the mitral-aortic intervalvular fibrosa

Jagadeesh.H.V
(Bengaluru)

Quadrivalvular rheumatic heart disease :
An interesting case

Deepak Nenwani
(Chennai)

Cardiogenic shock with normal EF

Vishal Yamjanwar
(Thane)

Unusual case of thrombus and vegetation in the same patient

D. Sasirekha (Mysore)

The 'squeezed' heart

Arnab Ghosh Chaudury
(Bengaluru)

An interesting case of acute pulmonary embolism

G.Sailendri (Chennai)

Day 2, Friday, 5th October 2018 Hall - B

A case of bicuspid aortic valve with
subvalvular obstruction

Chirag Parikh
(Bengaluru)

Unexplained LVH

Rishikesh Shah (Thane)

Multimodality imaging of successful device
closure of giant LV pseudoaneurysm

Atul Karande (Indore)

Unusual location of infective endocarditis

Sathish Kumar (Chennai)

TIME: 5.30 – 6.30 pm Inaugural Function

Day 2, Friday, 5th October 2018 Hall - C

TIME: 8.30 - 10.40 am Case studies (6 + 2 mins.)

Chairpersons: S. Venkatesan, Manish Bansal, Rahul Mehrotra, C. Murthy

Right heart thrombi pattern and clinical importance in acute pulmonary embolism	Nilavan.A. (Chennai)
3-D TEE changed the game plan	Amit Ghatge (Thane)
A complicated case of aortic prosthetic valve	Debika Chatterjee (Kolkata)
Localised pericardial effusion	Arun Prakash (Trivandrum)
Isolated right sided constriction	Mohsin Ansari (Mumbai)
Non-obstructive membrane in RHD	Praneeth Suryadevara (Bengaluru)
Rare adult congenital heart disease	Vivek Tandon (Delhi)
Right heart masses: I am confused!!	Vinayak Agrawal (Gurugram)
A rare right atrial mass	Ashis Ranjan (Allapuzha)
Role of TEE in left atrial appendage device occlusion – ‘a single center observation’	G.B. Chandrashekara Reddy (Mysore)
ASD with AS	Subash Chandra Bose (Chennai)
Not so alarming Type A aortic dissection : What was uncommon	Guru Kiran (Bengaluru)

Day 2, Friday, 5th October 2018 Hall - C

Extracardiac tumors presenting as intracavitary metastasis	Jagadeesh H.V. (Bengaluru)
Giant left atrium: Is it LA cardiomyopathy?	Nilesh Banthia (Navi Mumbai)
Bicuspid aortic valve and transverse LV band	M.K.Dubey (Dhanbad)
Paradoxical septal motion with normal heart	Rishikesh Shah (Thane)

TIME: 10.40 - 11.00 am Coffee break

TIME: 11.00 am - 1.00 pm Plenary Session In Hall A

TIME: 1.00 - 2.00 pm Lunch

TIME: 2.00 - 4.10 pm Workshop : Back to Basics for beginners and sonographers (Live demonstration)

Moderators: Thomas Binder, A.K.Omar, Nitin Kabra

How to effectively utilize knobology - 12 mins.	K. Chandrasekaran (USA)
How to get good 2-D image & Doppler - 10 mins.	Rishikesh Shah (Thane)
Quick tips for PISA & vena contracta calculations -10 mins.	Thomas binder (Austria)
How to calculate mitral and aortic valve area - 15 mins.	Vivek Tandon (Delhi)

Day 2, Friday, 5th October 2018 Hall - C

Simple day to day evaluation of LV systolic function - 15 mins.	B.R.Mishra (Cuttack)
How to record & interpret global longitudinal strain - 10 mins.	Mira Govindarajan (Hyderabad)
Recording and interpretation of pediatric views - 15 mins.	K. Sivakumar (Chennai)
Read the regional wall motion and coronary supply with me - 15 mins.	Nitin Burkule (Thane)

TIME: 4.10 - 5.20 pm Case Studies: An Amalgamation of International & National Faculty for unforgettable cases (6 + 1 min.)

Chairpersons: Chandramukhi Sunheri, Rachel Daniel, Manish Bansal, V.E. Dhandapani

Bioprosthetic aortic valve stenosis: why did this happen?	Raj Janardhanan (USA)
A gradient miracle	Thomas Binder (Austria)
There is pulmonary hypertension or No PHT	R. Alagesan (Chennai)
An interesting case of isolated mitral stenosis	Debika Chatterjee (Kolkata)
Intracardiac mass with tragic outcome	Vivek Tandon (Delhi)

Day 2, Friday, 5th October 2018 Hall - C

A mass arising from inferior vena cava: seen once in lifetime case involving IVC	Aniruddha De (Kolkata)
Right atrial and ventricular enlargement in a young boy: cause?	Vinayak Agrawal (Gurugram)
A case of multimodality approach to a spontaneous coronary artery dissection in a young woman	Fabiola Sozzi (Italy)
How much pressure can RV generate: Exemplified by a case	J.C.Mohan (Delhi)
A case of regional (focal) wall motion abnormality in rheumatic heart disease	V. Amuthan, A.B. Rajasekar (Madurai)

TIME: 5.30 – 6.30 pm Inaugural Function

Day 2, Friday, 5th October 2018 Halls - D & E

TIME: 1.30 - 3.30 pm Accreditation test

TIME: 3.30 - 5.30 pm Accreditation test

Test Coordinator : Rakesh Gupta

Day 3, Saturday, 6th October 2018 Hall - A

TIME: 8.15 - 9.30 am 'I Am The Best' – Special case study competition (5 + 3 mins)

Judges: Satish Govind, Rakesh Gupta, C.S. Muthukumaran

ASD with cyanosis is not always Eisenmenger's	B. Rajesh (Madurai)
Complex modalities for complex case : TTE, TEE and PET-CT	Manoj Vellin (Chennai)
The twist in the tale: What seems may not always be true! The mix of organic and nonorganic	Nilay Patel (Kochi)
An interesting case of right middle and lower zone pneumonia vs infective endocarditis secondary to aortic root abscess presenting as unresolving fever	G. Sailendri (Chennai)
Eisenmenger syndrome and pulmonary thrombosis	Vignesh Sukumar (Calicut)
A rare cause of aortic and mitral regurgitation	Gopalan Nair Rajesh (Calicut)
A rare case of asymptomatic recurrent left ventricular hemangioma	Pratik Sudhir Sane (Chennai)

Day 3, Saturday, 6th October 2018 Hall - A

Intracardiac mass in a case of chronic myeloid leukemia K. Chetana (Bengaluru)

A rare combination of anomalous origin of right pulmonary artery from ascending aorta (hemitruncus) with dysplastic tricuspid valve K. Rajesh

TIME: 9.30 -10.30 am Special Echo salsa session

Chairpersons: J.C. Mohan, R. J. Manjuran, Amirdha Ganesh, B.S. Ayyappan, S. Murugapandian

Why this celebrity status for TAPSE in RV function : Critical analysis and evidence base! Venkatesan.S (Chennai)

Pulmonary hypertension : What essentials you need to know S.S.Mishra (Cuttack)

ECG – ECHO correlates: clinical implications K.Chandrasekaran (USA)

Echocardiographic guided approach to mitral stenosis Manish Bansal (Gurugram)

TIME: 10.30 - 10.45am Coffee break

Day 3, Saturday, 6th October 2018 Hall - A

TIME: 10.45 am - 1.15 pm Plenary Session

TIME: 10.50 - 11.50 am Symposium – Joint Academic Session with European Association of Cardiovascular Imaging

Chairpersons: R.Manivasagam (Trichy); Rajat Mohan (Delhi); Shantanu Sengupta (Nagpur)

Dilemmas in diastolic function in elderly individuals	Thor Edvardsen (Norway)
Is pulmonary venous flow pattern useful in the clinical diagnosis	G. Vijayaraghavan (Trivandrum)
Perfusion stress Echo – ready for prime time?	Roxy Senior (UK)
Evaluation of RV function: A simplified approach in 2018	S.K.Parashar (Delhi)
Discussion	5 mins

TIME: 11.55 am - 12.15 pm Bijoy Khanderia Presidential Oration

Chairpersons: Thomas Binder, K.A. Abraham, K. Chandrasekaran, A.G. Narayanasamy

Looking Beyond The Pressures	S.Shanmugasundaram (Chennai)
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Day 3, Saturday, 6th October 2018 Hall - A

TIME: 12.15 - 1.15 pm Symposium – Valvular Regurgitation

Chairpersons: K.K. Kapur, K.Meenakshi, C. Elangovan

Pulmonary regurgitation : interpretation and pitfalls	Vinayak Agrawal (Gurugram)
Top common errors we must avoid in evaluation of MR and AR – case examples	C.K. Ponde (Mumbai)
Functional tricuspid regurgitation : mechanism, when and how to manage or ignore it	R.J. Manjuran (Kochi)
Present and future of percutaneous mitral valve therapy	K.Chandrasekaran (USA)

TIME: 1.15 – 2.00 pm Lunch & Visit Exhibits

TIME: 2.00 - 3.00 pm Echo Vignettes - (7 Take Home Messages)

Chairpersons: Aasha Gopal, Rakesh Gupta, Dipak Ranjan Das, D. Muthukumar

Is it a true or false aortic dissection?	Raj Janardhanan (USA)
Epicardial fat or pad for CVD risk assessment!	Meenakshi.K. (Chennai)
Mimics of LV noncompaction	Aasha gopal(USA)
How to improve my stress echo results?	Rakesh Gupta (Delhi)

Day 3, Saturday, 6th October 2018 Hall - A

Subclinical rheumatic carditis	J.C.Mohan (Delhi)
Pressure half time: Is it waiting for last nail in coffin?	S.R.Ram Kumar (Chennai)
Have I measured the gradient correctly in HOCM ?	Chandramukhi Sunheri (Hyderabad)
Discussion	10 mins

TIME: 3.00 - 4.00 pm Interpret Doppler Strips shown by the masters

Chairpersons: P.Krishnam Raju, Prabhavathi, Atul Karande,
Arif Mustaqueem

Presenters: Thomas Binder, J.C.Mohan, G. Vijayaraghavan,
Sameer Shrivatsava

TIME: 4.00 - 4.20 pm Coffee

TIME: 4.20 - 5.45 pm Cases Exotica (6+ 2 mins)

Chairpersons: Nitin Burkule, Soumitra kumar, Vinayak Agrawal,
S. Srikumar, M. Venkatesh

Nonrheumatic calcification of tricuspid valve	Vijayasarithi (Madurai)
Uncommon paracardiac mass in the setting of fever & post aortic valve replacement	Ravindra Sangolcar (Hyderabad)

Day 3, Saturday, 6th October 2018 Hall - A

Case of CCTGA with left AV valve regurgitation	Amith. R (Bengaluru)
An unusual case of double sided infective endocarditis	Kshitij Mavade (Kozhikode)
Interesting echo of pericardial mass	Kumar Kenchetty (Bengaluru)
Contrast echo for mediastinal mass	Rishikesh Shah (Thane)
A rare case of syphilitic ascending aorta aneurysm	Saurabh Chopra (Bengaluru)
An unusual location of fibroelastoma	Sathish Kumar (Chennai)
A case of paravalvular MR in a mechanical prosthetic valve which was closed by a device in our cath lab under 3D TEE guidance	Debika Chatterjee (Kolkata)

TIME: 6 pm onwards IAE General Body Meeting In Hall A

Day 3, Saturday, 6th October 2018 Hall - B

TIME: 8.30 - 9.30 am Case Studies: Congenital Heart Disease – 2
(6 + 2 Mins)

Chairpersons: Sreeja Ganesh, Prabhavathi, K.Kannan, Nitin Kabra

Rare case of partial AV canal defect with congenital CHB, post PPI lead pacing LV	Amith.R. (Bengaluru)
LVOT membrane in pregnant female: Is it benign or malignant	B. Midhun Kumar (Chennai)
An unusual cause of hypoplastic left heart & DORV	Puneet Verma (Bengaluru)
Neonate in respiratory distress with to and fro shunt from aorta to right ventricle – Is to and fro a blessing in disguise?	S.G.Shyam Lakshman (Calicut)
Accessory mobile tricuspid leaflet in an symptomatic child	T. Balamurugan (Chennai)
Aorta-RA tunnel	Pankaj Gupta (Bengaluru)
Interesting case of dextrocardia, situs inversus, CCTGA with PPI- DDD, with peri-Hissian Pacing	Raghu Cheru (Bengaluru)

Day 3, Saturday, 6th October 2018 Hall - B

TIME: 9.30 -10.30 am Symposium : Congenital Heart Disease – 2

Chairpersons: I.B. Vijayalakshmi, Puneet Verma, G.Ravishankar,
P. Pachaiappan

Features of left ventricular outflow tract
obstructive lesions: Echocardiographic
features and management

Hala El Marsafawy (Egypt)

Echo assessment of congenital lesions of
mitral and tricuspid valves

S. Ramakrishnan (Delhi)

Interesting foetal echoes

U.P. Singh (Chandigarh)

Echocardiographic assessment of PDA for
interventions

B.R.J. Kannan (Madurai)

TIME: 10.30 - 10.50 am Coffee Break

TIME: 10.50 am - 1.15 pm Plenary Session In Hall A

TIME: 1.15 - 2.00 pm Lunch & Visit Exhibits

Day 3, Saturday, 6th October 2018 Hall - B

TIME: 2.00 - 3.00 pm Symposium : A mixed bag of great topics

Chairpersons: Fabiola Sozzi, R. Alagesan, K.P.Shamsuddeen,
P.M.Nageswaran

Systematic approach to multivalvular disease	Sameer Shrivastava (Delhi)
Mysteries of pericardium	Rachel Daniel (Kollam)
Prosthetic heart valve: what do the guidelines say in management	Satish Govind (Bengaluru)
Intraoperative echo: Cases where echo made a difference	Raj Janardhanan (USA)

TIME: 3.00 - 4.00 pm Interpret Stress Echo with masters: Ischemic & Non-ischemic

Chairpersons: G. Justin Paul, B.Ramamurthy. S.Harish, R. Alagesan

Nitin Burkule (Thane)

Roxy Senior (UK)

K.K. Kapur (Delhi)

R. Alagesan (Chennai)

TIME: 4.00 - 4.20 pm Coffee break

Day 3, Saturday, 6th October 2018 Hall - B

TIME: 4.20 - 5.45 pm Case studies

Chairpersons: Simmi Manocha, Rekha Mishra, Margeret Dmello, K. Kannan (Kumbakonam), S.Tamizharasu

An interesting case of pericardial mass	Sandhya Sunderrajan (Chennai)
Reversible myocardial disease demonstrated with strain imaging – A case of Takosubo cardiomyopathy and a case of myocarditis before and after treatment	Muneer (Trivandram)
A case of mitral regurgitation in an adult	Bharath (Trivandrum)
Rare case of submitral aneurysm involving both AML and PML	Veena R.J. (Mysore)
A rare combination of two not uncommon cardiac conditions	Deepthi Vishwakranth (Hyderabad)
Unresolved myocardial disease. Did speckle tracking strain, Cardiac MRI or endomyocardial biopsy resolve the issue?	Chandramukhi Sunheri (Hyderabad)

Day 3, Saturday, 6th October 2018 Hall - B

An interesting case of mitral valve aneurysm perforation	Venkatesan .S (Chennai)
Bicuspid aortic valve with subaortic membrane	Chirag Parikh (Bengaluru)
An unusual case of aortic dissection	Bhushan Shah, Rajat Mohan (Delhi)
Chronic liver disease, aortic valve infective endocarditis and sequelae	Kiran Teja (Bengaluru)
Discussion	10 mins

Day 3, Saturday, 6th October 2018 Hall - C

TIME: 8.30 - 10.30 am Case studies (6 + 2 Mins)

Chairpersons: Arif Mustaqueem, V. Murugesan, G.N.Prasad, Mahesh Babu

Calcified amorphous tumor of the heart	K. Chetana (Bengaluru)
A broader view	Thomas Binder (Austria)
Free wall rupture	Vinay Agrawal (Delhi)
A mysterious very rare mass in RA	Rekha Mishra (Delhi)
Mystery of asystole	Sweety Thakkar (Thane)
An unusual case of large RVOT endocardial metastasis	Thirumurugan.S (Chennai)
A rare complication of acute myocardial infarction	Nishant Sunkarinen (Bengaluru)
A once in a lifetime case of left ventricular aneurysm in a case of RHD and CAD	G.Panneerselvam (Chennai)
Primary extramedullary plasmacytoma of the heart	R. Ravindran (Chennai)
Unusual location of RA myxoma	Amith.R (Bengaluru)
Interesting case of left atrial mass diagnosed as left atrial myxoma	Rajesh Natuva (Chennai)

Day 3, Saturday, 6th October 2018 Hall - C

A deep breath (what is there in aorta)	Rishikesh Shah (Thane)
A case of large dissecting intramyocardial hematoma	Rockey Katheria (Bengaluru)
Fireball in the heart	S.Bala Vignesh (Chennai)

TIME: 10.30 - 10.45 am Coffee break

TIME: 10.45 am - 1.15 pm Plenary session In Hall A

TIME: 1.15 - 2.00 pm Lunch & Visit Exhibits

TIME: 2.00 - 2.30 pm Free Paper Session (8 + 2 Mins)

Chairpersons: Gaurav Kapoor, A.L. Narayanan,
A. Krishnamurthy

Common catastrophe of not so uncommon: Brucella endocarditis	Madhukara H.M. (Bengaluru)
An 8 years study of referral indications for fetal echocardiography :	Chitra Narasimhan (Bengaluru)
Right atrial mass : Diagnostic dilemma with case series	Jeff Redleene (Chennai)

TIME: 2.30 - 3.40 pm Revisiting the basics (10 mins. each)

Day 3, Saturday, 6th October 2018 Hall - C

Chairpersons: R.Alagesan, Rajasekar Ramesh, C.Murthy, Asha Murthy

Approach to a case of atypical chest pain	S.K.Parashar (Delhi)
How do I calculate LA/RA dimensions, area and volume?	Rekha Mishra (Delhi)
Important artefacts you should be aware of in an echo – Pearls and pitfalls	V. Vatsala Sree (Vellore)
Recording and analysis of pulmonary vein, hepatic vein & SVC	Debika Chatterjee (Kolkata)
Recording of gradients and area in prosthetic valve: What care should I take?	Mira Govindarajan (Hyderabad)
Echo evaluation in pre-operative patient	M. Rasheed Mubarak (Sri Lanka)
Discussion	10 mins.

TIME: 3.40 - 4.00 pm Coffee break

TIME: 4.00 - 5.30 pm A merger of International & National icons to

Day 3, Saturday, 6th October 2018 Hall - C

solve your day to day problems (12 mins. each)

Chairpersons: Rakesh Gupta, R. Alagesan, Vivek Tandon, D.Sasirekha, R. Sundar

Does stress echo help in management of valve disease

Roxy Senior (UK)

How relevant is echo in diagnosis of myocarditis

Shantanu Sengupta (Nagpur)

Hemodynamic impact of one valvular lesion over another in multivalvular disease

C.K. Ponde (Mumbai)

Doppler artefacts to be aware of during day to day working

Thomas Binder (Austria)

What should be an algorithm for a hypotensive patient

U.P. Singh (Chandigarh)

Echo evaluation in patients with VT

R. Vadivelu (Madurai)

TIME: 6 pm onwards IAE General Body Meeting in Hall A

HALL D

TIME: 1.40 - 2.00 pm Luncheon Meeting WIPRO GE

Day 4, Sunday, 7th October 2018 Hall - A

TIME: 8.30 - 9.30 am Early morning unforgettable cases from around the globe (6 +1 mins)

Chairpersons: G.Vijayaraghavan, Vivek Kumar, Rachel Daniel, S.K. Kaushik, C.Sukumar

Hybrid VSD device closure	Prayaag Kini (Bengaluru)
A right atrial mass with a twist	Satish Govind Bengaluru)
What is the cause of this MR ?	Mani Vannan (USA)
A large LA mass: Is it benign or malignant	Rekha Mishra (Delhi)
Bicuspid aortic valve : miserable story	Hala El Marsafawy (Egypt)
Sub-Aortic AS/AR : Prohibitive risk for surgery, What to do?	Mani Vannan (USA)
An unusual case of pedal edema	Vinayak Agrawal (India)
If one goes wrong – all go wrong	Thomas Binder (Austria)

Day 4, Sunday, 7th October 2018 Hall - A

TIME: 9.30 -10.05 am

IAE Young Investigators Research Award Session

Judges: Satish Govind, Sameer Shrivastava, Rahul Mehrotra

1.3D Speckled tracking Echocardiographic strain pattern in hypertrophic cardiomyopathy patients and its relation with sudden cardiac death risk factors among them:

Rakesh Unnikrishnan, Gopalan Nair Rajesh, Hardasan. V, C.G. Sajeew (Kozhikode)

2.Left atrial and left ventricular 3 D strain pattern in organic severe mitral regurgitation :

S.G. Shyam Lakshman, Gopalan Nair Rajesh, C.G. Sajeew (Calicut)

TIME: 10.05 - 10.25 am Coffee break

TIME: 10.30 am - 2.00 pm Plenary session – Hall A

TIME: 10.30 - 10.50 am Natesa G. Pandian Oration

Chairpersons: S. Shanmugasundaram, P. Krishnam Raju,
Shishu Shankar Mishra

Transthoracic Imaging of Coronary Arteries –
Clinically Relevant?

V. Anne Anjaneyulu
(India)

Day 4, Sunday, 7th October 2018 Hall - A

TIME: 10.50 - 11.05 am Special Lecture

Chairpersons: Satish Govind, Kannan Nambi, M. Chockalingam

Myocardial dysfunction as a continuum from systole to diastole: What has imaging taught us and implications for classification of heart failure
Mani Vannan (USA)

TIME: 11.10 am -12.40 pm

Natesa G. Pandian Case Study Competition (7 + 3 mins)

Judges: Satish K. Parashar, R. Alagesan, S. Ramakrishnan

A rare presentation of a pediatric cardiac tumor as congenital cyanotic heart disease
Ajay Nair

Multisystem sarcoidosis with restrictive cardiomyopathy and vasculitis
Amit Gangwani

High altitude pulmonary edema
R. V.A. Ananth (Madurai)

Cherry on ice cream: Is it specific to cardiac amyloidosis
Jomy V. Jose

Cardiac adaptation in acute ischemia during exercise
Rishikesh Shah (Thane)

Nonruptured left sinus of valsalva aneurysm with partial thrombosis mimicking aortic root abscess
Rufus Demel

A case of chronic hypothyroidism with unique features and the importance of thyroid replacement in a very slow manner
Ram Narendar (Trivandrum)

Day 4, Sunday, 7th October 2018 Hall - A

Relics of the past

Amal Paul

Infective endarteritis of right coronary artery with
infected stent with secondary infective
endocarditis of mitral valve producing severe MR

Pranav Oza (Mumbai)

TIME: 12.45 – 1.45 pm Grand Intercontinental Echo Missiles Delivery:

Echo Jeopardy : Great fun filled very educative session

Quiz Master

Thomas Binder (Austria)

Red Team

Captain: K.Chandrasekaran (USA)

R. Alagesan (India)

K.K. Kapur (India)

Blue Team

Captain: Aasha Gopal (USA)

Shantanu Sengupta (India)

Rahul Mehrotra (India)

Green Team

Captain: Mani Vannan (USA)

Satish Govind (India)

Manish Bansal (India)

Official scorer: Rakesh Gupta (India), Rishikesh Shah (Thane)

Final arbitrators: S.Shanmugasundaram (India), Sameer Shrivastava (India)

TIME: 1.45 - 2.00 pm Valedictory Function

TIME: 2 pm onwards Lunch

Day 4, Sunday, 7th October 2018 Hall - B

TIME: 8.15 - 9.15 am

Sonographers' session – Case study competition (6+2 mins)

Judges: Shantanu Sengupta, Aniruddha De, Smita Mishra

Infective endocarditis/submitral aneurysm	Sukhveen Kaur Suri (Delhi)
Stuck tricuspid/mitral valve	Ruchi Jain (Delhi)
LV thrombus, Submitral aneurysm	Anju Thomas (Mysuru)
Rare case of PML aneurysm	Chandrakala P (Bengaluru)
Device closure of paravalvular regurgitation	Chandrappa A (Bengaluru)
A rare case of right heart dilatation	Nanda Kulkarni (Palwal)
Heart of body builders	Saurabh Shede (Thane)

TIME: 9.15 -10.05 am Sonographers Educative Symposium

Chairpersons : Simmi Manocha, N. Jayaseelan, Bharat Patel

How to improve your professional career - 15 mins	Bharat Patel (USA)
Severe TR with low gradients: I am confused? - 12 mins	Sunil Bohra (Bengaluru)
Echo technicians : Friends or Foes -10 mins	S.R.Ramkumar (Chennai)
Tips and tricks in imaging a prosthetic valve - 12 mins	Vivek Tandon (Delhi)

TIME: 10.05 – 10.25 am Coffee break

TIME: 10.30 am – 1.45 pm Plenary Session In Hall A

TIME: 1.45 am - 2.00 pm Valedictory Function - Hall A

TIME: 2 pm onwards Lunch

Day 4, Sunday, 7th October 2018 Hall - C

TIME: 8.30 - 10 am

Mind blowing cases of complications of CAD & TEE (6+2 mins)

Chairpersons: S.T.Yavagal, R.J. Manjuran, Neel Bhatia, Sanjeev Gera, Arif Mustaqueem

My great case	Rakesh Gupta (Delhi)
Acute mitral regurgitation	Manish Bansal (Gurugram)
Ventricular septal rupture	R. Alagesan (Chennai)
Transesophageal Echocardiography	P. Krishnam Raju (Hyderabad)
	K. Raghu (Hyderabad)
	Raj Janardhanan (USA)
	A.K. Omar (Delhi)
	Aasha Gopal (USA)

TIME: 10.05 - 10.25 am Coffee break

TIME: 10.30 am – 1.45 pm Plenary session in Hall A

TIME: 1.45 - 2.00 pm Valedictory Function - Hall A

TIME: 2 pm onwards Lunch

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