



## IAE Executive Committee

### PRESIDENT

Dr H K Chopra  
[drhkchopra@gmail.com](mailto:drhkchopra@gmail.com)

### PRESIDENT ELECT

Dr S Shanmugasundaram  
[shan\\_stan007@yahoo.com](mailto:shan_stan007@yahoo.com)

### VICE PRESIDENT

Dr Sameer Shrivastava  
[sameer\\_rashmi@hotmail.com](mailto:sameer_rashmi@hotmail.com)

### EDITOR JIAE

Dr Satish C Govind  
[satishgovind@gmail.com](mailto:satishgovind@gmail.com)

### GENERAL SECRETARY

Dr Manish Bansal  
[manishshilms@hotmail.com](mailto:manishshilms@hotmail.com)

### JOINT SECRETARY

Dr Shantanu P Sengupta  
[senguptasp@gmail.com](mailto:senguptasp@gmail.com)

### TREASURER

Dr Rahul Mehrotra  
[drrahulm@hotmail.com](mailto:drrahulm@hotmail.com)

### MEMBERS

Dr C K Ponde (Mumbai)  
Dr Srikanth Sola (Bengaluru)  
Dr Ashok Garg (Jaipur)  
Dr Sanjay Mehrotra (Lucknow)  
Dr Atul Karande (Indore)  
Dr G Gnanavelu (Chennai)  
Dr Rohit Tandon (Ludhiana)  
Dr Aniruddha De (Kolkata)  
Dr Kudel Kunhalli (Kozhikode)

### IMMEDIATE PAST PRESIDENT

Dr V Amuthan  
[amuvee@gmail.com](mailto:amuvee@gmail.com)

### IMMEDIATE PAST SECRETARY

Dr Hansa Gupta  
[hansagupta@yahoo.com](mailto:hansagupta@yahoo.com)

### PERMANENT CO-OPTED MEMBERS

Dr Savitri Shrivastava  
Dr S K Parashar  
Dr G Vijayaraghavan  
Dr J C Mohan  
Dr P Krishnamraju  
Dr Rakesh Gupta  
Dr S K Kaushik  
Dr A V Anjaneyulu  
Dr R Alagesan  
Dr R J Manjuran  
Dr S T Yavagal  
Dr R R Kasliwal  
Dr Nitin Burkule

## Editorial



Dr C K Ponde Dr Manish Bansal

### Dear colleagues,

Greetings!

During the last General Body Meeting of the IAE at Madurai, it was proposed to publish a regular e-Newsletter of the Academy. The primary objective was to create a medium to update all our members about academic/ social/ humanitarian activities of the Academy and its local chapters, other important news related to the Academy, as well as the latest developments in the field of echocardiography. With this background, it gives us immense pleasure to present to you the first issue of the e-Newsletter.

Over the last three months, since the last General Body Meeting, several important developments have taken place at the Academy. We have added 48 new members to the IAE family; IAE participated in a unique humanitarian mission in Nagaland; the journal of IAE has undergone a major transformation; the process of developing e-directories of our members and fellows has been initiated; and the corporate membership drive is on. Clearly, there was so much to share with you and hence, this newsletter!

We take this opportunity to thank our current IAE President, all our Past Presidents, other respected members of the Executive Committee and the office-bearers of the Local Chapters of IAE for their contributions, inputs and constant guidance. This endeavor would not have been possible without their support!

The next issue of the newsletter is planned for June 2017. We look forward to an enthusiastic support from all our members. We are confident that with all your support, we will be able to greatly enhance the value of this newsletter and make it a much sought-after publication from the IAE.

We sincerely hope that you will find this newsletter useful and informative, and will appreciate this new beginning.

Look forward to receive your feedback.

With warm regards,

**Dr C K Ponde/ Dr Manish Bansal**  
**Editors, IAE e-Newsletter**

## Contents

• Editorial	1
• Brief History of the IAE	1
• News from the Academy	2
• Echo India 2016	
• Nagaland Medical Camp	
• Report from the Local Chapters	3
• News from our international partners	3
• Upcoming events	4
• Echo India 2017	
• Other Meetings	
• International meetings	
• Learning Opportunities	4
• New Research from Around the World	5
• Guidelines Watch	
• Good Reviews	
• Latest Research	
• Revisiting the Basics: Tricuspid Stenosis	5
• Councils and Committees	6
• Awards and Accolades	6
• JIAE Update	6
• Ongoing activities	6

## Brief History of the Indian Academy of Echocardiography

Dr (Col) S K Parashar, Past President, IAE

During the late 1980's and early 1990's echocardiography was restricted to very few individuals only and there was lack of awareness and realization of its importance in cardiovascular medicine. Hence it was felt that there should be a forum to disseminate the knowledge of echocardiography in the country and encourage training and research in this field. With this objective in mind, few like minded individuals, met during the Annual Conference of Cardiological Society of India at Chennai in December 1994 and Indian Academy of Echocardiography (IAE) was formed. The stress was to project it as an academically oriented society. As such the Journal of IAE was launched in 1995 during its first Annual Conference held in Delhi. Subsequently an Annual Conference of IAE became a regular feature and the Academy gained a national exposure.

To project IAE in an international arena, the first ever V11th World Congress of Echocardiography and Vascular Ultrasound was held in February 2002 in Delhi. The program was endorsed by International Society of Cardiovascular Ultrasound. 33 countries were represented in this Congress and more than 100 international faculties and delegates participated. This World Congress was widely appreciated and was a great success. As such the XV11th World Congress was again allotted to IAE for organization and this was held from September 30- October 2, 2011 at Delhi-NCR and again was a resounding success.

Gradually efforts were made for academic alliance with very prestigious international echo societies. Realizing the recognition of IAE, academic alliance was achieved with American Society of Echocardiography (ASE) and European Association of Cardiovascular Imaging (EACVI). As such joint scientific sessions are being regularly held in respective meetings. The Presidents of these societies regularly attend our annual conference. In 2016, an academic partnership has been achieved with Asian Pacific Association of Echocardiography (AAE). Currently several state and city branches of IAE, all over India, are actively involved in academic activities.

The XXIII World Congress of Clinical Cardiology, Echocardiography and Allied Imaging Techniques & XXII Annual Conference of IAE (Echo India 2017) is being organized by the Academy of Echocardiography- Delhi & NCR Chapter and Jaipur Branch of IAE from October 5-8, 2017 at Birla Institute of Scientific Research, Jaipur. A unique feature of this Congress is that a large number of Int'l legends in echocardiography and Cardiology will be collecting, for the first time in India, under one roof. The details can be seen on the congress website: [www.worldcongressofcardioecho2017.com](http://www.worldcongressofcardioecho2017.com) There will be joint academic sessions with ASE, EACVI and AAE besides several national societies. Stress will be placed both in clinical cardiology and echocardiography.

### IAE India Head Quarter

C-1/16, Ashok Vihar, Phase- II, New Delhi- 110052, India  
Mobile: +91-93111-13246 Tel: +91-11-27419505, + 91-11-45558377  
Website: [www.iaecho.in](http://www.iaecho.in) E-mail: [iaechohq@gmail.com](mailto:iaechohq@gmail.com)

# News from the Academy

## Echo India 2016

The XXI International Conference of the Indian Academy of Echocardiography was held from October 21-23, 2016 at Velammal Medical College, Madurai, India. The meeting was organized by the Madurai chapter of IAE and Prof S R Veeramani was the Organizing Secretary for the meeting. Madurai has a rich heritage spanning over 2500 years. The city is well known for its ancient temples and for beautiful jasmine flowers.

The meeting was well attended with 1100 registered delegates from all over India, Bangladesh and Sri Lanka. There were one hundred and fifty faculty members from all over India and abroad.

The typical schedule of IAE annual conference of one-day pre-conference workshop and two and half day main conference was filled with a wide variety of topics ranging from the basics of echo to live transmissions of mitra-clip deployment, TAVR and left atrial appendage closure.

The American Society of Echocardiography, one of IAE's International Alliance Partners, took active part in the conference and was well represented by the Dr Vera Rigolin (ASE President-Elect), Dr Natesa G Pandian, Dr Sanjiv Kaul, Dr Mani A Vannan, Dr Sunil Mankad, Dr Kamesawari Maganti, and Dr Raj Janardhanan. They, along with Dr Thomas Binder from the European Association of Cardiovascular Imaging, took active part in the conference, right from the pre-conference workshop to the final day of the meeting.

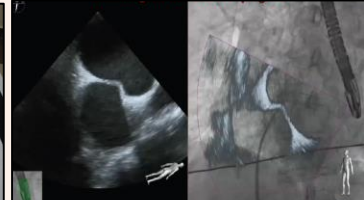
The prestigious Navin C Nanda Oration was delivered by Dr Vera Rigolin on "The emerging trend of transthoracic echo during TAVR- Is TEE obsolete?"; the Annual IAE Lecture was given by Dr Srikanth Sola on "Newer techniques in non-ischemic cardiomyopathy"; the Bijoy Khandheria oration was delivered by Dr V Amuthan (President, IAE) on "Future of 3D echocardiography in India"; and Dr Ravi R Kasliwal delivered the Natesa G Pandian Oration on "Echocardiography in HF: From Simpson's to speckles and beyond!".

There were 15 case presentation sessions and a total of 120 cases were presented. The Natesa G Pandian case competition witnessed some really interesting cases and the 1st prize was won by Dr Shirish Agarwal, KIMS, Trivandrum. Dr Nisamudeen Kaja Mohideen from MMC, Chennai got the prestigious 'Young Investigator' award. There was also a session on legal issues related to PCPNDT act in India, with the Joint Director of Health Services as the chair.

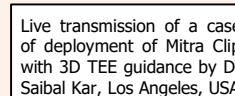
The conference turned out to be a great success. It was hailed as an excellent source of education and was awarded 35 credit points by The Tamil Nadu Dr MGR Medical University.



Welcome to Echo India 2016! This original artwork was done with coloured rice flour.



Echo Navigation in Cardiac Cath Lab was demonstrated in a live case from Madras Medical Mission, Chennai



Live transmission of a case of deployment of Mitra Clip with 3D TEE guidance by Dr Saibal Kar, Los Angeles, USA



ASE leadership meet with the IAE leadership. Left to right: Ms Rhonda Price (ASE Chief Standards Officer), Dr Hansa Gupta (IAE Gen Secretary), Dr Kameswari Maganti (ASE member), Dr SK Parashar (IAE Past President; Chair, International Affairs), Dr Vera Rigolin (ASE President-elect), Dr Sunil Mankad (ASE India Liaison), Dr HK Chopra (IAE President-elect), Dr Rakesh Gupta (IAE Past President), Dr Nitin Burkule (IAE Past President), Dr V Amuthan (IAE President)

## Nagaland Medical Camp

- A free medical camp was organized in Nagaland from 25<sup>th</sup>-30<sup>th</sup> Nov 2016, with collaboration from several organizations/authorities including the Government of Nagaland, NGOs and the Indian Academy of Echocardiography.
- The effort at IAE was led by Dr Nitin Burkule, our past president. Four volunteers- Dr Rishikesh Shah, Dr Vatchala Sree, Dr Mohsin Ansari and Dr Sanjay Upreti- participated in the camp on behalf of IAE.
- IAE also engaged GE to provide free echocardiography equipment for the purpose of the camp- an appreciable gesture on the part of GE.
- Several hundred patients were clinically examined and more than 150 echocardiograms were performed during this camp.
- This humanitarian effort received wide media coverage and was greatly appreciated by the Government as well as the people of Nagaland.
- The Honourable Governor of Nagaland- His Highness Mr P B Acharya- took personal interest in this camp and felicitated all the volunteers.
- The IAE volunteers not only generated goodwill among the people, but were also able to showcase the value of echocardiography in clinical practice. IAE volunteers also taught basic echo to local government hospital physicians.



Enjoying each other's company at the faculty dinner. Left to right: Dr Kameswari Maganti, Dr Sunil Mankad, Ms Rhonda Price, Dr Natesa Pandian, Dr Thomas Binder. Back row: Dr Manish Bansal, Dr Shantanu Sengupta, Dr Vera Rigolin, Dr Raj Janardhanan



IAE President Dr V Amuthan with Ms Rhonda Price and Dr Kameswari Maganti of ASE



## News from the Local Chapters

### Delhi NCR Chapter

- Echocardiography Faridabad 2016 , second in its series, was organized on 17<sup>th</sup> Dec 2016 under the aegis of the Academy of Echocardiography (Delhi NCR).
- Nearly 100 delegates, including several IAE members as well as doctors from Delhi NCR, Palwal, Kosi, Mathura, Aligarh and Agra, attended the meeting.
- The meeting was largely case-based, covering a variety of clinical scenarios highlighting the value of echocardiography in clinical practice. Pediatric cases and echo-quiz added to the charm of the meeting. The meeting ended with an update on recent advances in cardiometabolism.



### Jaipur Chapter

- Clinical echo meeting of IAE Jaipur branch was conducted at Jaipur on 20<sup>th</sup> Dec 2016.
- Rare clinical-echo cases were presented by Dr Ashok Garg, whereas Dr Rajeev Sharma spoke about the utility of exercise ECG in indications other than CAD.
- The session was attended by 48 doctors of the city including senior- most cardiologists, cardiac surgeons and physicians.



### Karnataka Chapter

- 12<sup>th</sup> annual IAE Karnataka state level meeting was conducted on the 12<sup>th</sup> and 13<sup>th</sup> November, 2016 at Bangalore.
- The meeting attracted a large number of registrations, along with many new members signing up.
- This was the first time that the meeting was held for 2 days; it was also the first time that it had a registration fee.
- The academic program included two guest orations from Dr R Alagesan and Dr Subramanyam from Chennai.



### Chennai Chapter- Echo BEAT, 24<sup>th</sup> December 2016



## News from Our International Partners

### European Association of Cardiovascular Imaging

- The European Association of Cardiovascular Imaging (EACVI) recently celebrated its 20<sup>th</sup> Conference at Leipzig, Germany. It was well attended by over 3200 delegates. It is now considered the world's largest cardiovascular imaging congress.
- EACVI has its headquarters in France. The new President is Dr Bogdan Popescu from Romania; Dr Thor Edvardsen is the President-elect, while Dr Gilbert Habib is the new International Chair.
- IAE has strong association with EACVI for many years. There was a leadership meeting at Leipzig between EACVI and IAE. IAE was represented by Dr Satish Govind, the European coordinator for IAE and Dr Shantanu P Sengupta, Joint Secretary, IAE.
- IAE has recently been accepted by EACVI to endorse their forthcoming guidelines on Restrictive Cardiomyopathy, which will be released in 2017. Dr G Vijayaraghavan is the expert from IAE who will be reviewing the document.
- Joint sessions are planned between EACVI and IAE during future annual conferences.
- Please visit the website [www.escardio.org/EACVI](http://www.escardio.org/EACVI) for more details about EACVI activities.



### Asian-Pacific Association of Echocardiography



- The Asian-Pacific Association of Echocardiography (AAE) is the collaborative society of several Asian-Pacific national echocardiographic societies including Chinese Society of Echocardiography, Japanese Society of Echocardiography, Korean Society of Echocardiography, Taiwanese Society of Echocardiography and Indian Academy of Echocardiography.
- AAE has been formed with the objective of providing a forum for Asian-Pacific association members to be engaged in the cutting-edge practice, research and education in Echocardiography and to collaborate with others interested in cardiovascular imaging.
- Dr Jae K Oh, a world-renowned leader in Echocardiography, is the current President of AAE.
- Please visit the website [www.aaecho.org](http://www.aaecho.org) for more details about AAE activities.

## Upcoming Events

### Echo India 2017 (World Congress of Cardio Echo 2017)

**XXIII World Congress of Clinical Cardiology, Echocardiography & Allied Imaging Techniques And XXII Annual Conference of Indian Academy of Echocardiography**

**SAVE THE DATE**  
5th - 8th Oct. 2017  
Jaipur, Rajasthan, India

Organised by:  
Academy of Echocardiography NCR Chapter  
International Society of Cardiovascular Ultrasound  
[www.worldcongressofcardioecho2017.com](http://www.worldcongressofcardioecho2017.com)

**Congress Highlights**

- Case based interactive pre-congress CME on 5th October, 2017
- Joint academic session with:
  - ▶ American Society of Echocardiography
  - ▶ European Association of Cardiovascular Imaging
  - ▶ Asian Pacific Society of Echocardiography
- Multiple sessions on interesting case discussions
- Young investigators award & case study competitions
- Quiz sessions and clinical discussions
- Devoted interesting sessions on clinical and interventional cardiology by national and international experts

**Core Committee Members**

<b>Dr Navin C Nanda</b> International President	<b>Dr S K Parashar</b> National President	<b>Dr H K Chopra</b> Chairman Organizing Committee	<b>Dr Ravi R Kasliwal</b> Chairman Coordination Committee
<b>Dr S Shanmugasundaram</b> Chairman Scientific Committee	<b>Dr Sameer Shrivastava</b> Vice President	<b>Dr Rakesh Gupta</b> Secretary General	

Congress Secretariat : Dr Rakesh Gupta, Secretary General, JROP Institute of Echocardiography, U/S & Vascular Doppler, C - 1/16, Ashok Vihar, Phase - II, New Delhi - 110052  
+91-11-45558377, +91 9560188488 +91 9811013246 E Mail [info@worldcongressofcardioecho2017.com](mailto:info@worldcongressofcardioecho2017.com)  
Coordinators: Raju Gandha + 91 7737090895, Sanjay Ramond + 91 9311113246, Reena Dua + 91 9958338112

### Other Meetings in India

**Annual conference of the Delhi-NCR chapter of IAE**  
6th May 2017

For enquiries, contact  
[simmi.manocha@aimsindia.co.in](mailto:simmi.manocha@aimsindia.co.in)

**EZECHO 2017: The annual conference of West Bengal chapter of IAE**  
26th-28th May 2017  
Visit the website [www.wbae.in](http://www.wbae.in) for more details

**Annual conference of the Karnataka chapter of IAE**  
Nov 2017, final date yet to be decided  
Visit the website  
[www.iaekarnataka.org](http://www.iaekarnataka.org) for more details

**69th Annual Conference of Cardiological Society of India**  
30th Nov – 3rd Dec, 2017; Kolkata, India  
<http://csicon2017.org/>

### International Meetings

**ACC.17, 66th Annual Scientific Sessions of the American College of Cardiology**  
17th - 19th Mar 2017, Washington, DC, USA  
<https://accscientificsession.acc.org/>

**ASE 2017, 28th Annual Scientific Sessions**  
2nd - 6th June 2017, Baltimore, MD, USA  
<http://asescientificsessions.org/>

**ESC Congress 2017**  
26th – 30th August 2017, Barcelona, Spain  
<http://www.escardio.org/Congresses-%26-Events/ESC-Congress>

**4th World Summit on Echocardiography**  
5th- 7th Oct 2017, Rio de Janeiro, Brazil  
<http://www.asecho.org>

**American Heart Association Scientific Sessions 2017**  
11th – 15th Nov 2017, Anaheim, California, USA  
[http://professional.heart.org/professional/EducationMeetings/MeetingsLiveCME/ScientificSessions/UCM\\_316900\\_Scientific-Sessions.jsp](http://professional.heart.org/professional/EducationMeetings/MeetingsLiveCME/ScientificSessions/UCM_316900_Scientific-Sessions.jsp)

**EuroEcho-Imaging 2017**  
6th – 9th Dec 2017, Lisbon, Portugal  
<https://www.escardio.org/EACVI>

## Learning Opportunities

### 1- year PG Diploma in Clinical Echocardiography

**JROP INSTITUTE OF ECHOCARDIOGRAPHY, U/S & VASCULAR DOPPLER**  
**ECHO AND COLOR DOPPLER CENTRE**  
**“JROP HEALTHCARE PVT. LTD.”**  
C-1/16, ASHOK VIHAR, PHASE-II, DELHI-110052  
**1yr PG Diploma in Health Science (Clinical Echocardiography)**  
Directorate of Distance Education, Annamalai University, Chidabaram, TN

- 1-year PG Diploma in Clinical Echocardiography, offered by JROP Institute of Echocardiography, U/S and Vascular Doppler, New Delhi.
- Affiliated to Annamalai University, Tamil Nadu.
- Visit [www.echocourse.in](http://www.echocourse.in) for more details.

### Hands-on, simulator-based TEE workshops



- Conducted by GE Healthcare Institute, in collaboration with the Indian Academy of Echocardiography. The program is supported by an unrestricted research grant from Sun Pharmaceuticals.
- Workshops conducted every month at the GE Learning Centre, Jupiter Hospital, Thane. From time-to-time offsite workshops are also conducted.
- Highly experienced faculty members from IAE conduct these workshops.
- The program is widely appreciated by the participants. The hands-on training using the state-of-the-art simulator provides a unique learning experience. Most participants gain immense understanding of TEE views and confidence in performing TEE by the end of the workshop.
- For 2017 event calendar and contact details, please visit [www.iaecho.in](http://www.iaecho.in).

## New Science- From Around the World

### Guidelines Watch

**The clinical use of stress echocardiography in non-ischemic heart disease: recommendations from the European Association of Cardiovascular Imaging and the American Society of Echocardiography**

Lancellotti P, Pellikka PA, Budts W, et al. *Eur Heart J Cardiovasc Imaging* (2016) 17 (11): 1191-1229.

<https://academic.oup.com/ehjicimaging/article-abstract/17/11/1191/2399858/The-clinical-use-of-stress-echocardiography-in-non?redirectedFrom=fulltext>

**Three-dimensional echocardiography in congenital heart disease: An expert consensus document from the European Association of Cardiovascular Imaging and the American Society of Echocardiography**

Simpson J, Lopez L, Acar P, et al. *J Am Soc Echocardiogr* 2017;30:1-27

<http://asecho.org/wordpress/wp-content/uploads/2017/01/3D-Echo-in-CHD.pdf>

### Good Reviews

**Severe Mitral Annular Calcification: Multimodality Imaging for Therapeutic Strategies and Interventions**

Eleid MF, Foley TA, Said SM, et al. *JACC Cardiovasc Imaging* 2016;9:1318-37.

<http://www.imaging.onlinejacc.org/content/9/11/1318>

**Differentiation of Constriction and Restriction: Complex Cardiovascular Hemodynamics**

Geske JB, Anavekar NS, Nishimura RA, et al. *J Am Coll Cardiol* 2016;68:2329-47

[http://www.onlinejacc.org/content/68/21/2329?\\_ga=1.190885359.430067850.1478584091](http://www.onlinejacc.org/content/68/21/2329?_ga=1.190885359.430067850.1478584091)

### Latest Research

**Integration of Flow-Gradient Patterns into Clinical Decision Making for Patients With Suspected Severe Aortic Stenosis and Preserved LVEF**

Bavishi C, Balasundaram K, Argulian E. *JACC Cardiovasc Imaging* 2016;9:1255-1263.

This meta-analysis confirms that the patients with low flow low gradient (LFLG) severe aortic stenosis (AS) have similar outcomes compared to high gradient (HG) severe AS but worse compared to normal flow low gradient (NFLG) severe AS. These findings suggest the need to routinely estimate stroke volume index in patients with suspected LG severe AS.

<http://www.imaging.onlinejacc.org/content/9/11/1255>

**Physiologic Determinants of Left Atrial Longitudinal Strain**

Miglioranza MH, Badano LP, Mihaila S et al. *J Am Soc Echocardiogr* 2016;29:1023-1034 e3.

This study describes, for the first time, age- and gender-specific normal reference ranges for left atrial longitudinal strain. The values were derived from 171 healthy volunteers, using two-dimensional speckle tracking echocardiography.

[http://www.onlinejase.com/article/S0894-7317\(16\)30334-0/abstract](http://www.onlinejase.com/article/S0894-7317(16)30334-0/abstract)

**Cardiac Calcifications on Echocardiography Are Associated with Mortality and Stroke**

Lu ML, Gupta S, Romero-Corral A et al. *J Am Soc Echocardiogr* 2016;29:1171-1178.

Calcium deposits in the aortic valve and mitral annulus have been associated with cardiovascular events and mortality, but their assessment is not standardized. Lu ML, et al describe an echocardiographic scoring system- global cardiac calcium score (GCCS)- for quantifying cardiac calcific deposits. In a cohort of 443 subjects followed for a mean of 3.8 years, the GCCS was found to have significant associations with total mortality and stroke.

[http://www.onlinejase.com/article/S0894-7317\(16\)30429-1/abstract](http://www.onlinejase.com/article/S0894-7317(16)30429-1/abstract)

**Machine-Learning Algorithms to Automate Morphological and Functional**

**Assessments in 2D Echocardiography**

Narula S, Shameer K, Omar AMS, et al. *J Am Coll Cardiol* 2016;68:2287-95

Every echocardiographic examination in the present era generates a wealth of data, most of which remains unutilized because of the inability of human minds to analyze such large datasets. The new cognitive computing tools can be utilized to explore this data and develop algorithms that can automatically provide diagnostic interpretations. This can potentially render echocardiography fast, efficient, accurate and reproducible, with greatest benefit for the novice readers. This study demonstrates utility of one such computer algorithm for differentiating hypertrophic cardiomyopathy from physiological hypertrophy seen in athletes.

<http://www.onlinejacc.org/content/68/21/2287>

**Normal echocardiographic measurements in Indian adults: How different are we from the western populations? A pilot study**

Bansal M, Mohan JC, Sengupta SP. *Indian Heart J* 2016;68:772-775

This pilot study showed that Indian subjects have smaller cardiac chamber dimensions as compared to their western counterparts. Hence, the western guidelines are not applicable to us. Indexing to body-surface area minimizes this discrepancy but does not eliminate it. Therefore, there is an urgent need to develop our own normative data for various cardiac chamber dimensions. Until then, we must develop a practice of indexing chamber dimensions when interpreting and reporting echocardiography studies in our labs.

<http://www.sciencedirect.com/science/article/pii/S0019483216000791>

**A Study to derive distribution of carotid intima media thickness and to determine its Correlation with cardiovascular Risk factors in asymptomatic nationwide Indian population (SCORE-India)**

Kasliwal RR, Bansal M, Desai N, et al. *Indian Heart J* 2016;68:821-7

First large study to provide normative data for carotid intima-media thickness in Indians

<http://www.sciencedirect.com/science/article/pii/S0019483216300463>

## Basics Revisited: Tricuspid stenosis

Dr Hansa Gupta, Immediate Past Secretary, IAE

- **Common causes:**
  - Rheumatic heart disease is the commonest cause
  - Other causes include- carcinoid syndrome, drug-induced (e.g. serotonergic drugs), Loeffler's Syndrome and endomyocardial fibrosis, infective endocarditis, systemic lupus erythematosus, congenital, etc.
- **Two-dimensional echocardiographic features:**
  - Tricuspid valve leaflet thickening and restricted mobility
  - Right atrial enlargement
  - Dilated inferior vena cava

- **Doppler findings:**

TV antegrade flow parameters	Mild TS	Severe TS
Mean gradient (mm Hg)	>2	>7
Peak gradient (mm Hg)		>25
Peak velocity (m/sec)	>1	>2.5
CW spectral Doppler	Steep deceleration	Delayed deceleration, dense signal

- **Estimation of tricuspid valve orifice area Pressure half-time-**

- Underlying principle is same as for mitral stenosis. However, the numerator is 190, instead of 220 as used for mitral valve area estimation.
- Hence, tricuspid valve orifice area (cm<sup>2</sup>) = 190/ pressure half-time (in msec)

**Planimetry-** Not feasible with two-dimensional echocardiography but three-dimensional echocardiography is a good modality for this purpose.

## Responsibilities of EC Members IAE 2016-17

- |   |   |
|---|---|
| 1. President & Chairman IAE Publication Advisory Committee  | Dr H K Chopra   |
| 2. President Elect & Chairman Scientific Committee  | Dr S Shanmugasundaram   |
| 3. Hon. Secretary & Joint Editor, IAE e-newsletter<br>Chairman IAE Website Advisory Committee                 | Dr Manish Bansal  |
| 4. Chairman, International IAE Affairs and Scientific Advisory Committee                                      | Dr S K Parashar   |
| 5. Chairman, National IAE Affairs Advisory Committee  | Dr R Alagesan   |
| 6. Chairman IAE PG Track Advisory Committee   | Dr G Vijayaraghavan   |
| 7. Chairman, IAE Tele-echocardiography Advisory Committee   | Dr P Krishnam Raju  |
| 8. Chairman, IAE Digital/ Webinar Advisory Committee  | Dr A V Anjaneyulu   |
| 9. Chairman, IAE Research Advisory Committee  | Dr R J Manjuran   |
| 10. Chairman, IAE Registry Advisory Committee   | Dr J C Mohan  |
| 11. Chairman, IAE Heart House, Constitution and Accreditation Advisory Committee                              | Dr Rakesh Gupta   |
| 12. Chairman, IAE Credentials Advisory Committee  | Dr S T Yavagal  |
| 13. Chairman, IAE Innovations Advisory Committee<br>Coordinator, International Alliances- Asia Pacific Region | Dr Ravi R Kasliwal  |
| 14. Chairman, IAE Guidelines Advisory Committee<br>Coordinator, International Alliances- ASE                  | Dr Nitin Burkule  |
| 15. Chairmen, Convocation Advisory Committee  | Dr V Amuthan,<br>Dr R J Manjuran<br>Dr Sameer Shrivastava<br>Dr Sameer Shrivastava<br>Dr K K Aggarwal<br>Dr S K Kaushik<br>Dr Rahul Mehrotra<br>Dr S C Govind                                 |
| 16. Chairman, IAE Chapters Coordination and Report Advisory Committee   | Dr Hansa Gupta  |
| 17. Chairman, Legal Ethical Advisory committee  | Dr C K Ponde  |
| 18. Chairman, Public Relation & Fund Raising Advisory Committee   | Dr Shantanu Sengupta  |
| 19. Treasurer and Fund Raising Coordinator  | Dr C K Ponde  |
| 20. Hon. Editor, JIAE & CVI<br>Coordinator, International Alliances- EACVI                                    | Dr Ashok Garg<br>Dr Sanjay Mehrotra<br>Dr Atul Karande<br>Dr Srikanth Sola  |
| 21. Editor, IAE Members e-Directory, IAE Fellows e-Directory  | Dr G Gnanavelu<br>Dr Rohit Tandon<br>Dr Aniruddha De<br>Dr Kudel Kunhali  |
| 22. Joint Editor, IAE e-Newsletter  | Dr H K Chopra (President)<br>Dr S Shanmugasundaram (President-Elect)<br>Dr V Amuthan (Immediate Past President)<br>Dr Rakesh Gupta (Past President)<br>Dr Manish Bansal (Hon. Gen. Secretary) |
| 23. Co-Chair, IAE Website Advisory Committee  |   |
| 24. IAE Corporate Membership Drive Advisory Committee Coordinators  |   |
| 25. IAE Membership Drive Advisory Committee Coordinators  |   |
| 26. Accolades and Awards Advisory Committee   |   |

## Awards and Accolades

### IAE Lifetime achievement award

- A token of gratitude from IAE in recognition of the legendary, lifetime contribution to the field of echocardiography in India.
- For 2016, Dr R J Manjuran received this honor, with previous awardees being Dr G Vijayaraghavan and Dr R Alagesan (2015); Dr (Col.) S K Parashar (2014); and Dr Savitri Shrivastava and Dr D Chinaiah (2013).



- Recently at EuroEcho 2016 at Leipzig, Dr Shantanu Sengupta had the honor of chairing the EuroEcho 2016 honorary lecture given by Dr Partho P Sengupta from Mount Sinai Hospital.
- He chaired the session with Dr Thor Edvardsen, President Elect of EACVI.

## JIAE Update

- The Journal of The Indian Academy of Echocardiography & Cardio Vascular Imaging (JIAE & CVI) is the official journal of IAE, the largest cardiac imaging society in India.
- From 2017, the journal is being relaunched with Wolters Kluwer as the publisher, which is one of the top 5 publishers in the world.
- To be published three times a year, the first issue with the new publisher is set to be released in April 2017.
- The journal will now be completely online, greatly enhancing its visibility and accessibility. The website [www.jiaecho.org](http://www.jiaecho.org) will be launched within the next few days.
- Online system for manuscript submission, peer-review process and digital archiving, while maintaining high standards in publishing.
- JIAE & CVI is focused on diagnostic cardiology and aims to promote peer reviewed scientific articles, review articles, case reports, interesting images, CME's, innovations and feature guidelines with particular emphasis on echocardiography. Suitable articles on other cardiac imaging modalities will also be published.
- Open access, accepts publications from around the world. No fee for submission, processing or publication of manuscript. Please visit [www.journalonweb.com/jiae](http://www.journalonweb.com/jiae) for submitting manuscript.
- The editorial team is committed to position this journal as the leading publication in the field of echocardiography and cardiovascular imaging, especially in India and South Asia and consolidate over the years to come to become a globally renowned journal.
- For any queries, email the editor Dr Satish C Govind at [editor@jiaecho.org](mailto:editor@jiaecho.org).

## Other Ongoing Activities

- e-directories of IAE Members and Fellows** is being developed under the editorship of **Dr Hansa Gupta**, Immediate Past General Secretary, IAE. Please visit the IAE website for **updating your details**.
- An IAE book- "Essentials of Echocardiography"** is being published under the dynamic editorship of **Dr V Amuthan and Dr (Col) S K Parashar**, Past Presidents, IAE. The book will be released soon.
- IAE website ([www.jiaecho.in](http://www.jiaecho.in))** is undergoing major transformation. The new look website will be launched soon.
- Other publications are in process, will be released soon.



Wolters Kluwer

Medknow