



The Egyptian Society of Cardiology
In collaboration with the National Heart Institute
The 13th Annual Scientific Meeting of
The Egyptian Echocardiography Working Group (EEWG)
(Cardioimaging 2009)

14th -16th October 2009
The National Training Institute
Cairo – Egypt

President of the Meeting

Gamal Aboul Nasr, MD, FACC

Professor of Cardiology
National Heart Institute

President of EEWG

M. Mohsen Ibrahim, MD, FACC

Professor of Cardiology
Cairo University

President of the Egyptian Society of Cardiology

Ali Ramzy, MD, FESC

Professor of Cardiology
Ain Shams University



The Egyptian Society of Cardiology
In collaboration with the **National Heart Institute**

**The 13th Annual Scientific Meeting of
The Egyptian Echocardiography Working
Group (EEWG)**

Under the Patronage of his Excellency

Prof. Hatem El-Gabaly

Minister of Health



Welcome Address

For more than 25 years, the application of cardiac ultrasound has greatly enhanced both our understanding and the practice management of cardiology. Together with the rapid advancement in computing technology, Echo- Doppler techniques has become the standard and most indispensable diagnostic tool in any form of cardiovascular disease. On behalf of the Egyptian working group of echocardiography and the organizing committee, I welcome and invite you all to participate in the 13th annual scientific meeting of the Egyptian working group of echocardiography (*Cardioimaging2009*) that will be held from 14-16 October, 2009.

As the meeting will be attended by almost all the Egyptian Expertise in echo as well as some of the highly selected international figures, it will be a valuable opportunity for both the practicing cardiologists, Echocardiographers and those who are looking for more in-depth approach to the new innovations in the field of cardiac ultrasound to actively participate in this important scientific gathering.

Upon completion of this course, the attendees will be able to:

- Quantitatively assess cardiac structure and function using cardiac ultrasound
- Differentiate the value and limitations of different imaging techniques over a wide range of application
- Incorporate new technical development in imaging into clinical practice
- Recognize the structural & functional significance of congenital heart diseases in both pediatric and adult patients.

The meeting will also be an important opportunity for both the cardiologists and the industry representatives to show the most updated advances in the field of echocardiography as well as pharmacotherapy.

We will be honored by your participation as a faculty, guest speaker or attendee that will surely contribute to the success of the meeting.

Chairman of the meeting

Gamal Aboul Nasr, MD, FACC

Prof of Cardiology, the National Heart Institute



EGYPTIAN BOARD FOR ACCREDITATION IN CARDIOLOGY

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This is to certify that the event

**“The 13th Annual Scientific Meeting of The Egyptian
Echocardiography Working Group (EEWG)
(Cardioimaging 2009)”**

has been accredited by

the Egyptian Board for Accreditation in Cardiology

(EGYBAC)

For 15 CME credit

Each participant should claim only those hours of credit that have actually been spent in the educational activity

EGYBAC wishes you a successful event,

Chairman of EGYBAC

Prof. Ashraf Reda, MD, FESC.

a_reda_55@yahoo.com

EGYPTIAN SOCIETY OF CARDIOLOGY
EGYPTIAN BOARD FOR ACCREDITATION IN CARDIOLOGY

Address: Egyptian Heart House: 9 El-Saraya Street -
EG-12311 Dokki - Egypt

E-mail: egybac@cardioegypt.com

Website: www.cardioegypt.com

Moderators of the program *(Alphabetical order)*

- Ashraf Badawi
- Gamila Nasr
- Mohamed Ayman Abdel Haiy
- Mohamed El-Noamany
- Mohamed Fareed El-Guindy
- Tarek Aziz
- Wafaa El-Arousy

Moderators of the Pediatric Echocardiography course *(Alphabetical order)*

- Maiy Hamdy El-Sayed
- Mohamed Hamed
- Wael Abdel Aal

Organizing Committee *(Alphabetical order)*

- Akram El-Desouky
- Khalid El-Tohamy
- Mohamed Osama
- Mohamed Seleem
- Mohamed Zaky
- Sahar Gamal
- Samia El-Kady
- Taghreed Sharaf
- Tarek El-Khouly

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Wednesday 14th October, 2009

9:00 – 1 0:00

Interesting Case Presentations

Each Lecture is followed by 2 minutes discussion

Chairpersons:

Amal Ayoub

Gamal Aboul Nasr

Maria João Andrade

Mohamed El-Noamany

Wafaa Al Arousy

Learning Objectives: *To present interesting, difficult, and/or controversial cases in which echo-Doppler examination played an important role in the diagnostic cascade with strong impact on the diagnosis &/or further management. To clarify through a clear take home message the important practical lessons learned from the case that would help the attendees to properly manage similar future cases*

9:00 – 9:10	Case Presentation	<i>Ahmed Salah</i>
9:12 – 9:22	Case Presentation	<i>Ahmed Hassan</i>
9:24 – 9:34	Case Presentation	<i>Akram El-Dessouky</i>
9:36 – 9:46	Case Presentation	<i>Tarek Aziz</i>
9:48 – 9:58	Case Presentation	<i>Amro Abdel Moneim</i>

10:00 – 10:30

State of the Art Lecture

Chairpersons:

Adel El-Etriby

Aziz Madkour

Ezz El-Din El-Sawy

Omar Awaad

Mohsen Ibrahim

Learning Objectives *Discuss the increasingly important role of imaging modalities regarding the regional contractile function, myocardial perfusion and viability for the early detection & proper diagnosis & risk assessment of patients presented with ACS*

10:00 – 10:25	Imaging in acute coronary syndromes	<i>Maria João Andrade</i>
10:25 – 10:30	Discussion	

Wednesday 14th October, 2009

10:30 – 11:45

Stress & Contrast Echocardiography in 2009

Chairpersons:

Abdallah Abou Hashem
Hany Abdel Razek

Ahmed A.Latif Ramadan
Soliman Ghareeb

Learning Objectives: *Review & update the potential values, limitations & safety issues in applying contrast Echo for CAD patients. Discuss the added values of studying coronary flow reserve to improve accuracy of stress echo. Present the potential value for the new application in applying stress echo for patients with valvular heart diseases. Discuss & debate the superiority of either stress echo or nuclear studies as the appropriate method to assess myocardial ischemia & viability*

10:30 – 10:45	Contrast Echo in CAD: value, safety & limitations	<i>Mohamed Oraby</i>
10:45 – 11:00	Stress echo: the additive role of coronary flow and coronary flow reserve	<i>Maria João Andrade</i>
11:00 – 11:15	Stress Echo in valvular lesions: is there a role?	<i>Maie Shahid</i>
11:15 – 11:20	Discussion	

Debate: Myocardial ischemia & viability are best assessed by:

11:20 – 11:30	Stress Echocardiography	<i>Gamila Nasr</i>
11:30 – 11:40	Nuclear Imaging Techniques	<i>Ahmed Abdel Aaty</i>
11:40 – 11:45	Rebuttal	

Wednesday 14th October, 2009

11:45 – 13:30

Tissue Doppler Imaging

Chairpersons:

Alaa Hataba

Ahmed Khashaba

Hanaa Freig

Ihab Abdel Fattah

Mohamed Ossama

Learning Objectives: *Discuss the main Basic principles of tissue Doppler imaging (TDI) & its differences as well as advantages compared to conventional Doppler methods. Present the main clinical applications of TDI, with especial highlighting to the recent breakthrough in this field namely Tissue synchronization, deformation & strain rate imaging*

11:45 – 12:00	Tissue Doppler imaging for assessment of LV Asynchrony in CAD	<i>Mohamed El-Noamany</i>
12:00– 12:15	Additional benefits of TDI with DSE	<i>Hala Mahfouz</i>
12:15 – 12:30	Deformation Imaging: Basics & Clinical applications	<i>Amal Hamdy</i>
12:30 – 12:45	TDI, Myocardial Strain	<i>Saied Shalaby</i>
12:45 – 13:00	Discussion	

13:00 – 14:00

Echo & Prosthetic valves: The continuous challenges

Chaipersons:

Ahmed Magdy

Osama Abdel Aziz

Moheiy El-Abbady

Sameh Allam

Taghreed Sharaf

Learning Objectives: *Present the value of Echo Doppler methods in the evaluation of prosthetic valves function, with especial considerations to the potential difficulties in establishing definite values for normal & abnormal structural & functional evaluations of those kinds of valves. Discuss the value, challenges & potential technical limitations of Echo in establishing the diagnosis of two serious clinical scenarios namely prosthetic valves endocarditis and thrombosis.*

13:00– 13:15	Prosthetic Valves: What's Normal and what's Abnormal	<i>Maie Shahid</i>
13:15 –13:30	Prosthetic valves endocarditis: The challenges to the echo-cardiographer	<i>Tarek Naguib</i>
13:30– 13:45	Prosthetic valves thrombosis: From clinical suspicious to echocardiographic diagnosis	<i>Tarek Aziz</i>
13:45 – 14:00	Discussion	

Wednesday 14th October 2009

14:00 – 14:30

State of the Art Lecture

Chairpersons:

Ali Ramzy

Sherif Mokhtar

Mohsen Ibrahim

Kamal Zaki Mahmoud

Moustafa Nawar

Learning Objectives: Discuss the tragic scenario of sudden cardiac death (SCD). Present the clinical & demographic criteria of high risk patients for SCD. Discuss the role of cardiac ultrasound in predicting those high risk patients for possible prophylactic interventions against future catastrophic events.

14:00–14:25	Predictors of Sudden Cardiac Death by Cardiac US	<i>Amal Ayoub</i>
14:25-14:30	Discussion	

14:30 – 15: 15

Live transmission from the Echo-lab

Panelists:

Gamila Nasr

Mohamed Ayman

Mohamed Seleem

Yasser Boghdady

M. Fareed El-Guindy

15:15 – 16:30

Diastolic Heart Failure: Role of echocardiography

Chairpersons:

Bassem Sobhy

Fayez Fayek

Diaa El-Menshawy

Lila Shalaby

Maiy Salama

Learning Objectives: Discuss the clinical profile, mode of presentations and prognostic importance of patients presented with symptoms of heart failure despite preserved systolic function. Revise different parameters used to assess LV function apart from ejection fraction. Present the latest recommendations for diagnosing diastolic dysfunction. Discuss the difficulties in assessment of LV diastolic function in the presence of concomitant mitral valve disease.

15:15 – 15:30	Clinical and prognostic value of heart failure with preserved systolic function.	<i>Bassem Zareef</i>
15:30 – 15:45	Assessment of LV function beyond the EF	<i>Mohamed El-Noamany</i>
15:45 – 16:00	New EAE/ASE recommendations for the diagnosis of diastolic dysfunction.	<i>Mohamed Ayman</i>
16:00 – 16:15	Diastolic Dilemmas: What to Do with MVD	<i>Hussein Hishmat</i>
16:15 – 16:30	Discussion	

Wednesday 14th October 2009

16:30 – 17:30
Role of Echo in CRT

Chairpersons:

Hassan Khalid
Mohamed Osama

Iglal Abdel Aziz
Said Khaled

Khairy Abdel Dayem

Learning objectives: *Revise the different non-pharmacologic therapeutic options for patients with advanced LV dysfunction, still symptomatic despite maximum tolerated medical treatment. Revise data on the role of cardiac ultrasound to choose HF patients suitable for cardiac resynchronization therapy (CRT). Define how echo can help to optimize benefits after CRT implantation.*

16:30 – 16:45	Management of heart failure beyond poly-pharmacy	<i>Gamal Shaaban</i>
16:45 – 17:00	CRT: how to choose the right candidate	<i>Amal Hamdy</i>
17:00 – 17:15	Role of Echo in optimizing results	<i>Hanaa Freig</i>
17:15 – 17:30	Discussion	

Pediatric Cardiac Imaging Program

Hall A (First Floor)

Wednesday 14th October, 2009

10:00 – 11:45

Session I

Each Lecture is followed by 5 minutes discussion

Chairpersons:

Maiy Hamdy El-Sayed

Tarek El-Kholy

Wael Abdel Aal

Khaled Sorour

Mohamed Hamed

10:00 – 10:15	Segmental Approach for the diagnosis of CHD	<i>Sameh Aarab</i>
10:20 – 10:35	Imaging Techniques	<i>Wael Abdel Aal</i>
10:40 – 10:55	PDAs: those we want to keep open and those we want to close	<i>Hala Hamza</i>
11:00 – 11:15	ASDs and what you need to know before device closure	<i>Azza El-Fiky</i>
11:20 – 11:35	VSDs	<i>Heba Attia</i>

11:45 – 13:00

Session II

Each Lecture is followed by 2 minutes discussion

Chairpersons:

Hala El-Marsafawy

Hala Hamza

Sameh Arab

Azza El-Fiky

Siham El Rasoul

Sonia ElSaiedy

11:45 – 11:58	Univentricular Heart	<i>Ola El-Masry</i>
12:00 – 12:13	Cono-truncal lesions 1 F4 , DORV,	<i>Sahar El-Shedoudy</i>
12:15 – 12:28	Cono-truncal lesions, CCTGA, Truncus Arteriosus	<i>Hala Agha</i>
12:30 – 12:43	AVSD: AV-canal	<i>Khaled Rifaat</i>
12:45 – 12:58	Anomalous venous drainage	<i>Hala Farghali</i>

Wednesday 14th October, 2009

13:15 – 15:00

Session III

Chairpersons:

Hala Agha

Hala Farghaly

Sahar El-Shedoudy

Suzan Baiyoumy

Zeinab Salah

13:15 – 13:30	Post operative evaluation & follow up	<i>Hany Adel</i>
13:30 – 13:45	Adults with congenital heart disease	<i>Ghada El Shahed</i>
13:45 – 14:00	3D Echocardiography	<i>Khaled Zakaria</i>
14:00 – 14:15	Introduction to fetal echocardiography	<i>Suzan Baiyoumy</i>
14:15 – 14:30	Echo & Noonan's Syndrome	<i>Siham El Rasoul</i>
14:30 – 14:45	Writing the report	<i>Alaa Roshdy</i>
14:45 – 15:00	Discussion	

15:15 – 16:00

Session IV

Chairpersons:

Aliaa Kotby

Ali Abo Zeid

Wael Lotfy

Alaa Roshdy

Ghada El-Shahed

Hany Adel

15:15 – 15:30	MSCT in Congenital Heart Disease	<i>Rania Zakari</i>
15:35 – 15:50	MRI in Congenital Heart Disease	<i>Mohamed Donia</i>
15:50 – 16:00	Discussion	

Thursday 15th October, 2009

9:00 – 10:00

Interesting Case Presentations

Each Lecture is followed by 2 minutes discussion

Chairpersons:

*Abdallah Abou Hashem
Jens-Uwe Voigt*

*Amal Khalifa
Mie Shahid*

Kamal Zaki Mahmoud

Learning Objectives: *To present interesting, difficult, and/or controversial cases in which echo-Doppler examination played an important role in the diagnostic cascade with strong impact on the diagnosis &/or further management. To clarify through a clear take home message the important practical lessons learned from the case that would help the attendees to properly manage similar future cases*

9:00 – 9:10	Case Presentation	<i>Sanaa Ashour</i>
9:12 – 9:22	Case Presentation	<i>Jehan Magdy</i>
9:24 – 9:34	Case Presentation	<i>Iman El-Sharkawi</i>
9:36 – 9:46	Case Presentation	<i>Mohamed Ayman</i>
9:48 – 9:58	Case Presentation	<i>Baher El-Dessouky</i>

10:00 – 10:30

State of the Art Lecture

Chairpersons:

*Abdel Rahman Sharaf
Ramzy Hamed*

*Ashraf Reda
Soliman Gharib*

Mahmoud Noweto

Learning Objectives: *Discuss the possible role of echo in the challenging situations & dilemma that may face clinicians in deciding need of surgical intervention or follow up for patients with little or no symptoms, yet having evidence of significant valvular affection.*

10:00 – 10:25	Asymptomatic valvular diseases: can echo help with management decisions	<i>Maie Shahid</i>
10:25 – 10:30	Discussion	

Thursday 15th October, 2009

10:30 – 11:45

Role of Echo in the assessment of the RV

Chairpersons:

Ahmed Nassar

Samir Morcos Rafla

Ahmed Rozza

Helmy Bakr

Ahmed Yehia Hegab

Learning Objectives: *Revise the clinical situations in which assessment of RV function are of utmost importance. Discuss shape & anatomic considerations that limits applying standard parameters of ventricular functions to the RV. Present new data for assessing RV function under different loading conditions. Discuss novel methods for assessment of pulmonary hypertension. Discuss Different imaging modalities during diagnostic workup of suspected acute pulmonary embolism particularly cardiac ultrasound*

10:30 – 10:45	Assessment of RV function: clinical & anatomic considerations	<i>Gamila Nasr</i>
10:45 – 11:00	Assessment of RV function and RV function changes with loading/unloading.	<i>Jens-Uwe Voigt</i>
11:00 – 11:15	Novel Echocardiographic methods for assessment of pulmonary hypertension	<i>Mohamed El-Noamany</i>
11:15 – 11:30	Imaging in acute pulmonary embolism: How Echo can help?	<i>Mohamed Ayman</i>
11:30 – 11:45	Discussion	

Thursday 15th October, 2009

11:45 – 13:00

Valvular Session

Chairpersons:

Mohamed Seteha
Mohamed El-Baz

Essam Mahfouz
Reda El-Eisawy



Learning objectives: *Discuss the value of two dimensional (2D) versus three dimensional (3D) echo in assessment and evaluation of mitral incompetence. Present data of possible incremental value obtained when using 3D TTE in patients with mitral valve disease. Discuss the challenging clinical situations of both asymptomatic, low gradient, low output aortic stenosis and how echo would help in proper assessment and clinical decision making. Present data of early clinical suspicious of prosthetic valves thrombosis and the role of echo in confirming the diagnosis and choice of immediate therapy. Discuss the challenges & difficulties in the echo assessment of patients presented with suspected prosthetic valves endocarditis.*

11:45 – 12:00	Mitral Regurgitation: 2D Versus 3D Assessment of morphology and Function	Maie Shahid
12:00 – 12:15	Mitral stenosis & patient's selection for BMV: what is beyond the score?	Reda Aboul Atta
12:15 – 12:30	Asymptomatic Aortic Stenosis: How Can Echo Help in Clinical Decision Making	Sameh Shaheen
12:30 – 12:45	Low output, low gradient aortic stenosis: risk stratification using echo	Sanaa Ashour
12:45 – 13:00	Discussion	

13:00 – 13:30

State of the Art Lecture

Chairpersons:

Amal Hamdy
Raouf Maharani

Ashraf Ahmed
Wagdy Ayad

Osama Sanad

Learning Objectives: *Discuss & present data on the new & exciting techniques of blood flow tracking during the cardiac cycle, where contrast bubbles are used as "speckles" and are then tracked during the cardiac cycle within the cardiac chambers. Discuss its emerging role & possible clinical application.*

13:00 – 13:25	Tracking blood flow patterns in the left ventricle	Jens-Uwe Voigt
13:25 – 13:30	Discussion	

Thursday 15th October 2009

13:30 – 14:30

Live transmission from the echo-lab

Panelists:

Gamila Nasr
Ossama Rifaie

Hany Fouad
Tarek Abdel Ghafaar

Kawkab Khedr

14:30 – 15:00

Plenary lecture
Sponsored by Pfizer

Chairpersons:

Gamal Aboul Nasr
Adel Zaki

M. Hamed Badr
Mohamed Awad Taher

Hussein Rizk

Learning Objectives: *highlights the concept of global risk management and targeting hypertensive patients with a new approach (adding statin) for hypertension treatment. Present data supporting actually what is beyond BP control which is aiming for reducing overall patient's cardiovascular risk rather than focusing only on reducing numerical BP figures*

14:30–14:55	Targeting Hypertensive Patients for Optimal Treatment of Cardiovascular Disease	Ramez Guindy
14:55 – 15:00	Discussion	

Thursday 15th October 2009

14:30 – 16:00

Multimodality Imaging in ACS

Chairpersons:

Adel Allam

Mohamed El-Gabaly

Mohamed Sobhy

Mohamed Zaki

Yehia Kishk

Learning Objectives: *Discuss the increasingly important role risk stratification as well as use of different imaging modalities regarding the regional contractile function, perfusion and viability for the early detection & proper diagnosis & risk assessment of patients presented with ACS*

14:30 – 14:45	Risk Stratification	<i>Nasser Taha</i>
14:45 – 15:00	Role of Echo	<i>Tarek El-Khouly</i>
15:00 – 15:15	Role of MPI	<i>Aliaa Abdel Fattah</i>
15:15 – 15:30	Role of MSCT	<i>Ashraf Badawi</i>
15:30 – 15:45	Role of CMR	<i>Mohamed Donia</i>
15:45 – 16:00	Discussion	

Friday 16th October 2009

9:30 – 11:30

Pitfalls, tips & tricks in Echo-based clinical decision making

Chairpersons:

Maged El-Abbady
Sameh Bakhoum

Megahed Noufal
Tarek Aziz

Mohamed Sharaby

9:30 – 9:45	Cardiac Masses	<i>Samia El-Kady</i>
9:45 – 10:00	Apical Ballooning syndrome	<i>Mohamed Selim</i>
10:00 – 10:15	Estimation of stenotic lesions in presence of multi-valvular affection	<i>Sameh Zaghloul</i>
10:15 – 10:30	Pericardial tamponade: Hemodynamics & Echo-based decision making	<i>Maria João Andrade</i>
10:30 – 10:45	Quantification of regurgitant lesions	<i>Amal Khalifa</i>
10:45 – 11:00	Speckle Tracking - technical background, advantages and pitfalls	<i>Jens-Uwe Voigt</i>
11:00 – 11:15	Restriction Vs constriction	<i>Moheiy El -Abbady</i>
11:00 – 11:30	Discussion	

11:30 – 13:00

Friday Prayer

13:00 – 14:30

Meet the Experts with Interactive Clinical Echocardiography Cases

Prizes for best case presentation & meeting highlights

Chairpersons:

Gamal Aboul Nasr
Mohamed El-Noamany

Gamila Nasr
Mohsen Ibrahim

Mohamed Ayman

13:00 – 13:15	Interpretation of stress Echo	<i>Maria João Andrade</i>
13:15 – 13:30	Non atherosclerotic CAD; the role of MSCT	<i>Magdy Rashwan</i>
13:30 – 13:45	Regional myocardial function assessment: Methods & findings in ischemia	<i>Jens-Uwe Voigt</i>
13:45 – 14:00	Imaging in infective endocarditis	<i>Fatma Aboul Einen</i>
14:00 – 14:30	Prizes for best cases, Meeting highlights & closing remarks	