



The Egyptian Society of Cardiology

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

14th -16th October 2009

The National Training Institute

Cairo - Egypt

President of the Meeting

Gamal Aboul Nasr

*Professor of Cardiology
National Heart Institute*

President of EEWG

M. Mohsen Ibrahim

*Professor of Cardiology
Cairo University*

President of the Egyptian Society of

Cardiology

Ali Ramzy

*Professor of Cardiology
Ain Shams University*

Moderators of adult Cardioimaging 2009

Ashraf Badawi
Gamila Nasr
Mohamed Ayman
Mohamed Elnoamany
Tarek Aziz

Moderators of Pediatric Imaging course

Mohamed Hamed, Maiy Hamdy ElSayed, Wael Abdel Aal
Ali AbouZeid, Tarek ElKhouly, Khaled Sorour, Zeinab Salah, Aliya
Kotby, Sameh Arab, Hala El-Marsafawy, Hala Farghali.

Organizing Committee
Akram El-Desouky

Wednesday 14th October, 2009

9:00 – 10:00

Interesting Case Presentations

Each Lecture is followed by 2 minutes discussion

Chairpersons:

Amal Ayoub

Wafaa Al Arousy

Gamal Aboul Nasr

Maria João Andrade

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 sc</i>
9:12 – 9:22	Case Presentation	<i>AHMED HASAN sc</i>
9:24 – 9:34	Case Presentation	<i>Akram El-Desouky NHI</i>
9:36 – 9:46	Case Presentation	<i>Tarek Aziz NHI</i>
9:48 – 9:58	Case Presentation	<i>Amro Abdel Monem zkz</i>

10:00 – 10:30

State of the Art Lecture

Chairpersons:

Mohsen Ibrahim

Adel Allam

Adel El-Etriby

Ezz El-Din El-Sawy

Aziz Madkour

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>
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Wednesday 14th October, 2009

10:30 – 12:00

Stress & Contrast Echocardiography in 2009

Chairpersons:

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 – 11:30	Debate: Myocardial ischemia & viability are best assessed by: - Stress Echocardiography	<i>Gamila Nasr</i>
11:30 – 11:45	- - Nuclear imaging techniques	<i>Ahmed Abdel Aaty</i>
11.45-12:00	Discussion	

12:00 – 13:30

Tissue Doppler Imaging

Chairpersons:

Mohamed Osama

Ihab Abdel Fathah

Sanaa Ashour

Tarek Abdel Monem

Hanaa Fereg

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

12:00 – 12:15	Tissue Velocity Imaging ; Novel application & clinical utility	<i>Walaa adel</i>
12:15 – 12:30	Tissue Doppler imaging for assessment of LV Asynchrony in CAD	<i>Mohamed Elnoamany</i>
12:30 – 12:45	Additional benefits of TDI with Dobutamine Stress Echo	<i>Hala Mahfouz</i>
12:45 – 13:00	Deformation Imaging: Basics & Clinical applications	<i>Aamal Hamdy</i>
13:00 – 13:15	TDI, Myocardial Strain	<i>Saied Shalaby</i>
13:15 – 13:30	Discussion	

13:30 – 14:30

Echo & Prosthetic valves: The continuous challenges

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.*

13:30 – 3:45	Prosthetic Valves: What's Normal and what's Abnormal	<i>Maie Shahid</i>
13:45 –14:00	Prosthetic valves endocarditis: The challenges to the echo-cardiographer	<i>Tarek Naguib</i>
14:00– 14:15	Prosthetic valves thrombosis: From clinical suspicious to echocardiographic diagnosis	<i>Tarek Aziz</i>
14:15 – 14:30	Discussion	

14:30 – 15:00

Wednesday 14th October 2009

State of the Art Lecture

Chairpersons:

Ali Ramzy Sherif Mokhtar Moustafa Nawar Ramez
Guindy Mohsen Ibrahim

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.*

14:30–14:55	Predictors of Sudden Cardiac Death by Cardiac ultrasounds	<i>Amal Ayoub</i>
14:55-15:00	Discussion	

15:00 – 16:00

Role of Echo in CRT

Chairpersons:

Hasan Khalid

Said Khaled

Mohamed Osama

Khairy Abdel Dayem

Wagdy Galal

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.

15:00 – 15:15	Management of heart failure beyond the polypharmacy	<i>Gamal Shaban</i>
15:15 – 15:30	CRT: how to choose the right candidate	<i>Amal Hamdy</i>
15:30 – 15:45	Role of Echocardiography in optimizing the results	<i>Hanaa Fereig</i>
15:45 - 16:00	Discussion	

16:00 – 16:45

Diastolic Heart Failure: Role of echocardiography

Chairpersons:

Bassem Sobhy

Ahmed Shafie Ammar

Ali Ahmed

Heba Mansour

Mahmoud Hassanein

Wagdy Ayad

***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.*

16:00 – 16:15	Clinical and prognostic value of heart failure with preserved systolic function.	<i>Bassem Zareef</i>
16:15 – 16:30	Assessment of LV function beyond the ejection fraction	<i>Mohamed Elnoamany</i>
16:30 – 16:45	New EAE/ASE recommendations for the diagnosis of diastolic dysfunction.	<i>Mohamed Ayman</i>
16:45 – 17:00	Diastolic Dilemmas: What to Do with Mitral Valve Disease	<i>Hussein Hishmat</i>
17:00 – 17:15	Discussion	

Thursday 15th October, 2009

9:00 – 10:00

Interesting Case Presentations

Each Lecture is followed by 2 minutes discussion

Chairpersons:

Jens-Uwe Voigt Abdalla Abou Hashem Mohamed Elnoamany
Amal Khalifa Hanaa El-Saied

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 alx</i>
9:12 – 9:22	Case Presentation	<i>Jehan Magdy alx</i>
9:24 – 9:34	Case Presentation	<i>Iman El-Sharkawi alx</i>
9:36 – 9:46	Case Presentation	<i>Mohamed Ayman alx</i>
9:48 – 9:58	Case Presentation	<i>Baher Eldesouky zkz</i>

10:00 – 10:30
State of the Art Lecture

Chairpersons:

Ramzy Hamed

Sameh Shaheen

Soliman Ghareeb

HanyAbdel Razek

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

Fathia El-Sheshtawy

Helmy Bakr

Samir Abdel Kader

AhmedYahia 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 Elnoamany</i>
11:15 – 11:30	Imaging in acute pulmonary embolism: How Echo can help?	<i>Mohamed Ayman</i>
11:30 – 11:45	Discussion	

11:45 – 13:00

Valvular Session

Chairpersons:

Alaa Hataba

Adel Zaky

Mohamed El-Baz

Mohamed Wafaai

Nabil Farag

Reda El-Eissawy

***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	<i>Maie Shahid</i>
12:00 – 12:15	Mitral stenosis & patient's selection for BMV: what is beyond the score?	<i>Reda Aboul Attaa</i>
12:15 – 12:30	Asymptomatic Aortic Stenosis: How Can Echo Help in Clinical Decision Making	<i>Sameh shaheen</i>
12:30 – 12:45	Low output, low gradient aortic stenosis: risk stratification using echo	<i>Sanaa Ashour</i>
12:45 – 13:00	Discussion	

13:00 – 13:30

State of the Art Lecture

Chairpersons:

Mohamed El-Noamany Walaa Adel Abdalla Abou
Hashem Amal Hamdy Azza Farag

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
Satellite symposium**

14:30 – 16:00

Multimodality Imaging in ACS

Chairpersons:

Mohamed Sobhy

Mohamed El-Gabaly

Adel Allam

Yahia Kishk

Magdy Rashwan

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>Alia Abdel Fathah</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	

17:00 -17:15

Take Home Message of Day 2

Friday 16th October 2009

9:30 – 11:30

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

Chairpersons:

9:30 – 9:45	Diagnosis of aortic dissection	<i>Zinab Ashour</i>
9:45 – 10:00	Apical Ballooning syndrome	<i>Mohamed seleem</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>Mohy El Abbady</i>
11:00 – 11:30	Discussion	

11:30 – 13:00

Friday Prayer

13:00 – 14:20

**Meet the Experts with Interactive Clinical Echocardiography Cases
Prizes for best case presentation & meeting highlights**

Chairpersons:

13:00 – 13:15	Interpretation of stress Echo	<i>Maria João Andrade</i>
13:15 – 13:30	Multi-modality imaging in Pulmonary embolism	<i>Mohamed Ayman</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 Einin</i>
14:00 – 14:20	Meeting highlights & closing remarks	

14:20 – 15:40

Young investigators awards & best abstracts session

15:40 – 16:10

Take Home Message of Day 3

16:15 Lunch

New Methods of Assessing Ventricular and Valvular

Function: Understanding Strain and Twist

Echo Evaluation of Pregnant Patients with

Heart Disease

2. Strain, Speckle, DTI. State of the art and future perspectives.