



**XXVI World Congress of Echocardiography & Allied Techniques,
Cardiology & Diabetes in collaboration with X International
Congress of Cardiology & Diabetes**

Co-sponsored by International Society of Cardiovascular Ultrasound (ISCU) and
International College of Cardiology (ICC)

October 29-31, 2021, Dubai, United Arab Emirates
Venue: Movenpick Grand Al Bustan Hotel (near airport)

Chairpersons: Dr. Osama Elmaraghi MD (Kuwait), Dr. Abdulla Shehab MD (UAE)

International President: Dr. Navin C. Nanda MD (USA)

Vice President and Chair, Organizing Committee: Dr. Galal E Nagib Elkilany (UAE)

Chairs, Scientific Committee: Dr. Wael Almahmeed (UAE), Magdy Abdelhamid MD (Egypt)



Osama Elmaraghi



Abdulla Shehab



Navin Nanda



Galal Elkilany



Wael Almahmeed



Magdy Abdelhamid

**XXVI World Congress
of Echocardiography & Allied Techniques
Cardiology & Diabetes
In collaboration with
X International Congress of Cardiology & Diabetes
29th -31st October 2021
Movenpick Grand Al Bustan- Dubai, UAE
Airport-Casablanca St.-Garhoud
Endorsed by GHA (Gulf Heart Association)
Scientific Program**

Chairpersons: Dr. Osama Elmaraghi MD (Kuwait) and Dr. Abdulla Shehab MD (UAE)

**Chair, Scientific Committee: Dr. Wael Almahmeed MD Cleveland Clinic , UAE and
Dr. Magdy Abdelhamid MD , Cairo University (Egypt)**

International President: Dr. Navin C. Nanda MD (USA),

Patron: Dr NS Dhalla (Canada)

Vice President and Chair, Organizing Committee: Dr. Galal E Nagib Elkilany MD (USA)

**International Coordinators: Dr RB Singh (India), Dr Krasimira Hristova (Bulgaria), Dr
Jan Fedacko (Slovakia).**

SPEAKERS: 90 Speakers from 40 countries of all the continents.

The main theme of the Congress would be:

1st Update and recent advances in cardiac/peripheral imaging including lung ultrasound,

2nd Diabetes and cardiovascular disease.

3rd COVID 19 and Cardiovascular Complications : Guidelines in risk reduction

More than 79 esteemed speakers and distinguished professors from more than 42 countries of the world "who have participated in our previous World Congresses", already confirmed their active participation. Because the pandemic is still on, some speakers would be able to travel to Dubai but many will use zoom. So the Congress would be a hybrid one, with some speakers physically present but others will be on zoom.

Scientific Program of XXVI WCE “Cardiology and Diabetes”

Day (1) 29th October Friday

Hall (A)

Diabetes and Cardiovascular Diseases

9:00–10:00am

Sessions 1

Diabetes and Heart Failure

Chair: Wael Almahmeed, UAE and Magdy AbdelHamid, Egypt

Cardiomyopathy in diabetes mellitus and metabolic syndrome, **Sibel Catirli Enar, Turkey**

Effects of ageing in the development of diabetic cardiomyopathy, Jaipaul Singh, **UK**

SGL2 Inhibitors in chronic heart failure, JP Sharma, **India**

Treatment of HF in diabetic patients in 2021, Magdy Abdelhamid, **Egypt**

10:15–11:30 am

Session II Sponsored by

International Academy of Cardiovascular Science (IACS), Canada

Chair: Abdullah Shehab, UAE and Osama Emaraghy, Kuwait

Cardiac dysfunction in chronic diabetes on behalf of the IACS. Galal N Elkilany, **USA**

Diabetes and cardiovascular disease : Who needs intervention , **Tahir Tak MD, USA**

Evidence for the pathogenesis and new therapy for heart disease in diabetes,
Naranjan Dhalla, **Canada (30minutes)**

Diabetes mellitus : The role of echocardiography in the diagnosis of subclinical myocardial dysfunction and treatment. Nilda Espinola-Zavaleta, **Mexico**

11:30-12:00 Opening ceremony

Prayers and Lunch 12:15-13:30

13:30-14:30pm

Symposium 1 World Hypertension League

Chair: Galal Elkilany, USA and Mohamed Ibrahim, UAE

Alterations in the circadian rhythm of blood pressure in the presence of diabetes,
Germaine Cornelissen, MD, **USA**

Adolescent hypertension in India, Narsingh Verma, **India**

How to stratify patients with end stage renal disease for major adverse cardiovascular
events? Kul Aggarwal, **USA**

Management of arterial hypertension : Are we on the right track? M Ibrahim, **UAE**

14:30-15:15 pm

Symposium II

Diabetes, and Obesity (Diabesity)

Chair : Osama Elmaraghy, Kuwait and Mohamed hassanein, UAE

Novel anti-diabetic drugs for obesity, Osama Elmaraghy, **Kuwait**

How is obesity linked to heart failure? Kul Aggrawal , **USA**

New strategies in the treatment of dyslipidemia: Do we know how? Jan Fedacko,
Slovakia

Efficacy of IVRS-based Health intervention in reducing cardiovascular risk in metabolic
syndrome: A Cluster randomized trial, Raja Babu Panwar, University Vice Chancellor,
India

Coffee Break 15minutes

15:30-16:30

Symposium III

New updates in diabetic kidney disease and metabolic syndrome

Chair: Ram Singh, India ,Mohamed Salah, UAE, Abdullah Shehab, UAE

1-Advanced management of T2DM including renal protection and/or improvement of kidney function , Osama Elmaraghy, **Kuwait**

2- Diabetes management in cardio-metabolic syndrome, Abhay Keshao Pande, **UAE**.

3- Cardio-renal protection in diabetic patient: Recent updates, Magdy Abdelhamid, **Egypt**

4-HF and T2DM : The next pandemic, M Salah Meselhy , **UAE**

Hall (B)

9:30-10:30 PM

Session III

Infiltrative-restrictive cardiomyopathy and DCM

Infiltrative cardiomyopathy, Jayanta Mukherjee, **USA**

Echo predictors of HF, Gani Bajraktari, **Kosovo**

Novel Doppler echocardiographic modalities in evaluation of patients with DCM, Silvana Jovanova, **Macedonia**

Diastolic stress echo: For whom? interpretation and newer developments, Satish Parashar, **India**

10:30-11:30 AM

Session IV

Recent advances in echocardiography and allied techniques (Workshop I)

Keys for best practice of strain for the assessment of LV and RV, **Turkey- ESC- [EACVI](#)**,
L. Elif Sade MD

Vice President, Chair Echo Section, European Association of Cardiovascular Imaging

NMR metabolomics study in STEMI patients to identify outcome biomarkers, **M.-
Saadeh Suleiman UK**

The athlete's heart - defining physiological from pathological changes, Perry Rebecca,
Australia

The aortic valve gradient in stenosis under general endotracheal anesthesia is underestimated, Muralidhar Kanchi, **India**

Satellite Symposium (IV)
13:30-14:30 PM

Is a stethoscope necessary in these days of POCUS?" Robert Gatewood (**USA**).

3D-TEE evaluation of trans-apical mitral valve in valve implantation for mitral bio prosthetic dysfunction, Ming Hsiung , **Taiwan**

Echocardiography in systemic diseases, Perry Rebecca, **Australia**

Usefulness of US diagnostics in the emergency room, Maurizio Campaniello, **Italy**

14:30-15:30 PM

Session V

Restrictive cardiomyopathy and pericardial Diseases

1. Echocardiography in pericardial effusion and tamponade, Chittur A. Sivaram , **USA**
2. Cardiac amyloidosis no longer a zebra: An echo and clinical diagnosis to effective diagnosis, Hany Sabour, **Cleveland Clinic, UAE**
3. The additive role of CMR in pericardial diseases, **Ketty Savino, Italy**
4. Restrictive cardiomyopathy and amyloidosis, **Fabiola Sozzi, Italy**

Day (2) 30 October 2021

Hall (A)

8:30-9:30 am

Session VI Mayo Clinic (USA)

1- Echocardiography for complications of myocardial infarction, Sunil Mankad, Mayo Clinic, **USA**

2- Systemic diseases and their cardiac involvement, Mankad, Rekha, Mayo Clinic, **USA**

3- 3D echocardiography : Clinical Application. Joseph Maalouf, Mayo Clinic **USA**

4- New international consensus for classification and nomenclature of the bicuspid aortic valve and its aortopathy, **Hector I. Michelena, Mayo Clinic, USA**

Session VII

10:00-11:15 am

Recent Advances in cardiac imaging (Workshop II) Presidential Session

Stress echocardiography - update 2021, Jarosław D. Kasprzak, **Poland (Lodz)**

Strain in cardiotoxicity, **Nilda Espinola-Zavaleta, Mexico**

Fusion imaging inside the cath lab, **Pepe Zamorano, Spain (ESC Ambassador)**

"2D and 3D echocardiography of the tricuspid valve: Implications for trans-catheter interventions", Navin Nanda, **USA (ISCU President)**

False tendon in the heart: friend or foe, Vadim A. Kuznetsov, **Russia**

11:15am-12:30 an

Session VIII

Cardiac Imaging in critical care units

Chairmen : Ashraf Elhoufy, MD,FRCP(UK),EDIC, Consultant and head of ICU Dubai Hospital , UAE, Hatem Ghonem, MD, UAE

- 1-Advanced echocardiography in shock states, Hatem Soliman , **UK**
- 2- A plea for inclusion of echocardiography in the AHA algorithm for acute coronary syndrome in evaluation of patients with chest pain with ST segment abnormality, Muralidhar Kanchi, **India**
- 3- Lung ultrasound in acute cardiac care , Hatem Soliman, **UK**
- 4-Echocardiography guidance to the management of cardiogenic shock, Hanumanth Reddy, **USA**
- 5- Echo for ECMO, Poonam Malhotra, **India**

12:30-13:30 PM Session IX

Coronary Artery Disease : Update

- 1-Clinical utility of 3D echocardiographic dispersion to assess left ventricular function and ischemia of infarction detected by gated-SPECT, **Nilda Espinola-Zavaleta, Mexico**
- 2- Echocardiography in the evaluation of post MI complications, **Chittur A. Sivaram, USA.**
- 3-"Newer clues to ischemia on dobutamine stress echocardiography: Cardiac axis tilt.
, Preetham Gunta, **USA**
- 4- Noninvasive stress testing: Ischemia is simply the beginning, **ANGEL LOPEZ-CANDALES, USA**

Lunch 13:30-14:30 pm

14:30-15:30 pm

Session X

Women and cardiovascular diseases

- 1- Cardiovascular disease in pregnancy , Virginia Michelis, **Uruguay**
- 2- Chest pain and palpitation in post-menopausal women with MVP, Pasquale Palmiero, **Italy**.
- 3- Valvular heart disease in pregnancy (The role of echocardiography), **Sibel Catirli Enar, Turkey**.
- 4- Point of care ultrasound in critical care, Hatem Soliman Aboumarie, **UK**

15:30-16:30 pm

Session XI

Valvular Heart Disease : Updates in the Diagnosis and Management

3D echo for valve disease: a primer, Jarosław D. Kasprzak, **Poland**

Strain Imaging in valvular heart disease, **Sunil Mankad, Mayo Clinic, USA**

The new valve guidelines - what is the message for the echocardiographer, appropriate use criteria and echocardiography, Smadar Kort, **USA**

Aortic stenosis update, K.K. Kapur, **India**

Hall (B)

10:00-11:00AM

Session XII

Multi Modality Imaging

Chairpersons : Dr. Hatem Ghonim ,UAE, Dr.Mohyi Eldin Fahmy,MD, UAE

1. Acute aortic syndromes, **Eduardo Bossone, Italy**
2. Multi-modality assessment of prosthetic valves, Sagit Zekry, **Isr.**
3. Detection of myocardial scar by cardiac MRI : From imaging to pathophysiology, **Sabino Iliceto, Italy**
4. The multimodality imaging of primary cardiac hydatid cyst located in the right ventricular free wall": TTE, TEE, 3DTTE, CT and MRI, **Tevfik Fikret İlgenli, Turkey**

11:00-12:00 am

Symposium V

T2DM and ASCVD (a symptomatic cardiovascular disease)

Chair : Osama ElMaraghy, Kuwait, Mahamed Hassanein, UAE

Transferring data from trials practice, Osama Elmaraghy, **Kuwait**

Improving T2DM management in patients with ASCVD, Mahamed Hassanein, **UAE**

Diabetes mellitus and cardiovascular disease: Who needs intervention ? Tahir Tak ,
Mayo Clinic, **USA**

Hypertension in diabetic patients, current challenges and future insight, Mohamed Ibrahim , **UAE**

12:30-13:30

Session XIII

Valvular Heart Disease at risk for SCD

MVP from mid-systolic click to myocardial scar and ventricular arrhythmias, Sabino Iliceto, **Italy**

Epidemic of left ventricular low flow state: Implication for the assessment of AS, Min Pu, **USA**

Management of asymptomatic aortic stenosis: Can it reduce the risk of SCD, Jayashri Aragam, **USA**

Essentials of TEE for the cardio-thoracic surgeon, Deepak Tempe, **India**

Satellite Symposium VI

14:15-15:15 PM

COVID 19 and Cardio-Pulmonary Complications

Chairman : Bassam Hasan Saleh Mahboub, **UAE (Imm. President ECDS)**

Kawasaki in COVID disease. The role of MRI in the differential diagnosis, Nilda Espinola-Zavaleta, **Mexico**

Multiple faces of severe COVID - cardiac presentations, Jarosław D. Kasprzak, **Poland**

Imaging of COVID-19 related myo-pericarditis, Vito Maurizio Parato, **Italy**

Echocardiography in post COVID syndrome and pulmonary thromboembolism in COVID time, Elizabeta Kostovska, **Macedonia**

Session XIV 15:15-16:00

RV and Pulmonary Hypertension in Children and Adults

1. Right ventricular ejection efficiency: A New echocardiographic measure of mechanical performance, **Angel Lopez-Candales, USA.**
2. The right ventricular imaging these days : PHT & RVCM, K Hristova, **Bulgaria**
3. Clinical case vignettes: Pulmonary hypertension in children, S. Ramakrishnan, **India.**

Session XV 16:00-17:00PM

Cardiac Valves -Revisited

Comparison of newer proposed diagnostic score with the World Heart Federation criteria for echocardiographic diagnosis of rheumatic heart disease, Raja Babu Panwar, **India**

The aortic valve gradient in stenosis under general endotracheal anaesthesia is underestimated, Muralidhar Kanchi, **India**

Strain imaging for guiding decision-making in aortic stenosis, **Manish Bansal, India**

Echo for prosthetic valve mismatch, Poonam Malhotra, **India**

17:00-18:10 PM

Session XVI

Interesting Case Presentations (6 minutes for each)

Angiosarcoma and hemangioma of the heart , Asad Roomi, KSA

Fabiola Sozzi (Italy)

Ashok Garg (India), (atrial and ventricular masses)

M Ayman Abel-Hay, (Egypt),Challenging echo cases : seen once in lifetime,

Anurag Tomar (India), three chambered heart

Vinod Vijan (India), interesting case in interventional cardiology

Virendra Misra (UAE), Prosthetic valve malfunction

Islam Shatla (USA), Case of asymptomatic pulmonic/supra-pulmonic valve stenosis

Amrish Agrawal (UAE), Deep dive to reach the diagnosis of ATTR-Cardiomyopathy

Jagdish Mohan (India), Reversible constrictive pericarditis

Rikha Mishra (NHI, India), Interesting case presentation (quadri-valvar RHD),

Day 3 Sunday 31st October 2021

Hall (A)

8:30-9:30 AM

Session XVII

Aortic and Mitral Valve Diseases :

Never forget aortic regurgitation: New prognostic echocardiographic data in action, **Hector I. Michelena, USA**

Primary vs secondary mitral regurgitation: What is the difference? Vera Rigolin, **USA**

A novel 2D echo method to objectively quantify aortic valve calcium and predict aortic stenosis severity, **Lee Frazin, USA**

The new valve guidelines - what is the message for the echocardiographer, appropriate use criteria and echocardiography, Smadar Kort, **USA**

9:30-10:30 AM

Session XVIII

Tips and Tricks in Cardiac Valves imaging

AV imaging , Ajay Jindal, **India**

Low flow low gradient aortic stenosis, Jayashri Aragam, **Colombia -USA**

MV imaging : Mitral valve prolapse, who are at risk of sudden death? Olga Vriza, **KSA**

Juvenile rheumatic mitral stenosis : Screening echocardiogram in children may expose the reality., Abdullah Al Shafi Majumder, Dhaka, **Bangladesh**

11:00-12:00 AM

Session XIX

The future of cardiac US and allied techniques

Congenital heart disease (CHD) and recent innovations in cardiac imaging

Chairpersons : Sherif Baathallah,MD , UAE , Raghda Elgoneimy, Egypt

Basics :

Introduction to CHD, Shelby Kutty, **USA**

What does an adult cardiologist need to know about pediatric cardiology?

CHD : Fetal diagnosis , Aarti Bhat,**USA** (30 Minutes)

Prenatal diagnosis and prognosis of coarctation of aorta, Shuping Ge,**USA**

Role of imaging in diagnosis and management of adult CHD, Reema Chugh, **USA**

12:00-13:00

Advanced

3D strain and application in children, Shuping Ge, **USA**

3D printing based on cardiac imaging: An overview, Bernhard Mumm, **Germany**

The role of TEE during trans-catheter VSD closure, Raghda Elsheikh, **Egypt**

Imaging in adult CHD , K. Hristova, **Bulgaria**

13:30-14:30 pm

Recent Advances in Echocardiography (Workshop III)

Left atrium in stress echocardiography, **Sibel Catirli Enar, Turkey**

Non -responders to CRT: any role for echocardiography? Hala Mahfouz, **Egypt**

Echo imaging in peri-prosthetic leak closure, Sunil V. Mankad, Mayo Clinic , **USA**

Role of 3 D echo in valvular heart disease, Pepe Zamorano, **Spain**

14:30-15:30

Recent advances in echocardiography (Workshop IV)

HF and cardiomyopathy

Echocardiography in the era of artificial Intelligence, Bernhard Mumm, **Germany**

Regeneration & Gene Therapy in DCM, Roger Foo, **Singapore**

Cardiac imaging in heart failure: Going beyond ejection fraction, **Mona Aboelsould, Egypt**

Exercise and diabetic cardiomyopathy, Manal Smail, **Algeria** and Jaipaul Singh, **UK**

15:30-16:30 PM

Session XX

Diastolic Heart Failure and HFpEF

Diastology Interpretation , Fabiola Sozzi , **Italy**

Profiles in diastolic heart failure, **Dr.G.Gnanavelu, India**

Novel left ventricular diastolic function assessment- Echocardiographic criteria, **Angel Lopez-Candales,USA**

LV diastolic function assessment in the presence of atrial fibrillation, **Manish Bansal, India**

Hall B

9:00-10:00 AM

XXI

Infective Endocarditis and Cardiac Masses

3D echocardiography: a missing link in infective endocarditis imaging, Domenico Galzerano, **Italy**

The multimodality imaging of primary cardiac hydatid cyst located in the right ventricular free wall": TTE, TEE, 3DTTE, cardiac tomography and MRI, Tefvik Fikret İlgenli, **Turkey**

Imaging of endocarditis complications, V Maurizio Parato, **Italy**

CMR and cardiac masses, Fabiola Sozzi, **Italy**

10:30-12:30

Session XXII

Current role of 2DE,3D echocardiography & TEE in structural heart intervention

Imaging and Intervention

1. Echocardiography in patients undergoing EP procedures, Chittur A. Sivaram, **USA**
2. The role of 3D echocardiography in LAA occlusion, Hoda Shehata, **Egypt**
3. Role of trans-esophageal echocardiography in advanced structural heart disease, Kul Aggarwal, **USA**
4. VSD anatomy and device selection, Aarti Bhat, **USA**

Mitral & Aortic Valves Intervention

5. State of the art of percutaneous mitral valve interventions, Vera H. Rigolin, **USA**
6. Mitral valve clip operation : How to properly select patients? Jyothy Puthumana, **USA**
7. The evolving role of 3D echo in percutaneous edge to edge mitral valve repair, J Maalouf, Mayo Clinic, **USA**
8. **Role of 3D echocardiography in TAVR, M Ayman Abdel-Hay, Egypt**

12:30-13:30 PM

Session XXIII Cardiomyopathy

LVH -Hypertrophic Cardiomyopathy, & LVNC

LVH : Differential diagnosis, Maurice Guirgis, **USA**

3D echocardiography in HF and cardiomyopathies, Tugba Kemaloglu, **Turkey**

HOCM and TakoTsubo cardiomyopathy : an unusual combination, Marice Guirgis, **USA**

HFpEF : A disease that can be now treatable, Osama ElMaraghy, **Kuwait**

Lunch 13:30-14:30pm

14:30-15:30

Advanced Cardiac Imaging Workshop V

Chairpersons : Daniel Pineiro, **Argentina**, Junbo Ge, **China**, Abdullah Shehab, **UAE**

Pathogenesis and determinants of HFpEF and HFrEF, Ram B Singh, **India**

Speckle tracking imaging : Clinical perspectives 2021, ZVI Vered, **ISR.**

The ABCs of 3D knobology, J Maalouf , **Mayo Clinic , USA**

The future of remote ischaemic preconditioning as therapeutic cardioprotective intervention, **M.-Saadeh Suleiman, UK**

15:30-16:45 pm

Session XXIV

Right Heart Imaging

TV imaging : Tricuspid regurgitation. How to quantify and the need of new classification, **Pepe Zamorano, Spain**

Exercise induced pulmonary hypertension, Eduardo Bossone, **Italy**

Right ventricular strain: do we need to add it in routine echocardiography, **Olga Vriza, KSA**

Pulmonary valve assessment in depth, Tugba Kemaloglu, **Turkey**

End of the Program