

FINAL PROGRAM to correct

Tufts University Medical Center, Boston, USA,

Hoag Hospital, Newport Beach, USA and

Elisabethinen Hospital, Linz, Austria

Echocardiography Today and Tomorrow

Present the 14th International Symposium

Advanced Echocardiography With Illustrative Case Studies

by a Panel of Distinguished International Faculty

October 5-8, 2019

Conference Center

ST. WOLFGANG (near Salzburg), Austria

Symposium Directors:

Natesa G. Pandian and H. Joachim Nesser

Co-Director:

Thomas Binder

Web Home Page: www.cardiology.co.at

Abstracts on original research or clinical case studies will be considered for poster presentation; the best abstracts will be published in "Proceedings of 2019 St. Wolfgang Echocardiography Conference"

Faculty

USA

Gerard Aurigemma	Worcester
Anthony Caffarelli	Newport Beach
Y. Chandrashekar	Minneapolis
Frederick Cobey	Boston
Mehak Dhande	Boston
Madhavi Kadiyala	New York
Burkhard Mackensen	Seattle
Rekha Mankad	Rochester
Sunil Mankad	Rochester
Natesa Pandian	Newport Beach
Alamelu Ramamurthi	Boston
Muhamed Saric	New York
Robert Siegel	Los Angeles

MEXICO

Antonio Arias Godinez	Mexico City
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AUSTRALIA

Ari Horton	Melbourne
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EUROPE

Luigi Badano	Italy
Jutta Bergler-Klein	Austria
Thomas Binder	Austria
Elena Cavarretta	Italy
Christian Ebner	Austria
Antonietta Evangelista	Italy
Francesco Faletra	Switzerland
Jaroslav Kasprzak	Poland
Gerald Maurer	Austria
Alberto Milan	Italy
Mark Monaghan	UK
Bernhard Mumm	Germany
Hans Joachim Nesser	Austria
Choi-Keung Ng	Austria
Petros Nihoyannopoulos	UK
Maurizio Parato	Italy
Elif Sade	Turkey
Fabiola Sozzi	Italy
Regina Steringer-Mascherbauer	Austria
Jose Angel Urbano Moral	Spain

PROGRAM

Oct 5, Saturday

AM

8:00 Welcome and Symposium Orientation

Drs. H. Joachim Nesser and Natesa G. Pandian

Session 1

Presiding: Dr. H. Joachim Nesser and Dr. Gerald Maurer

Innovations - We have them, How to Use Them Optimally (Cases 1-10)

8:30 3D Echo

Dr. Sunil Mankad

8:50 Fusion Imaging

Dr. Muhamed Saric

9:10 AI, Augmented Reality and 3D Printing

Dr. Bernhard Mumm

Session 2

Presiding: Dr. Rekha Mankad and Dr. Thomas Binder

Back to Basics - Many Decades in Practice but Mistakes Still Made, How to Avoid Them (cases 11-20)

9:30 2D Echo: How to Do an Optimal Exam and Interpret Accurately

Dr. Natesa Pandian

10:00 Doppler: How to avoid errors

Dr. Mark Monaghan

10:30 **Coffee Break**

Session 3

Presiding: Dr. Natesa Pandian

11:30 **Special Session Wet Lab**

Anatomy of Cardiac Valves and Related Structures – Anatomic Dissection and Illustration

Dr. Anthony Caffarelli

PM

12:30 **Lunch Break**

Session 4

Presiding: Dr. Sunil Mankad and Dr. Luigi Badano

2:00 **Valve Disease in Current Era and Transcatheter Therapy I (Cases 11-25)**

Aortic Stenosis – Severity Assessment in different cohorts; Echo Guidance for TAVR; Mitral and Tricuspid Stenosis – Severity Assessment; Mitral Regurgitation – Quantitation and Echo Anatomic Details; 3D Road Map for Transcatheter Therapy for Mitral Valve; Disorders in Which TCT Will Not Work

Presenters and Discussants:

Dr. Robert Siegel

Dr. Y. Chandrashekhar

Dr. Burkhard Mackensen

Dr. Jaroslaw Kasprzak

Dr. Gerard Aurigemma

Dr. Rekha Mankad

3:30 Coffee Break

Session 5

Presiding: Dr. Y. Chandrashekhar and Dr. Mark Monaghan

4:15 Valve Disease in Current Era and Transcatheter Therapy II (Cases 26-35)

Aortic Regurgitation; Echo Assessment of AR Mechanisms and Severity; Tricuspid Regurgitation: When to Intervene; 3D Road Map of TV Anatomy and Guidance for TTVR; Combined Lesions, How to Assess Individual Severity, When Transcatheter Treatment?, When Surgery?

Dr. Sunil Mankad

Dr. Robert Siegel

Dr. Burkhard Mackensen

Dr. Mark Monaghan

Dr. Thomas Binder

Session 6

Presiding: Dr. H. Joachim Nesser

5:30 Strain Imaging Workshop (Sponsored by Canon, GE and Siemens)

Strain Imaging: Principles and Perspectives

Dr. Thomas Binder

Clinical Value of Strain in Non-ischemic Cardiac Disorders

Dr. Luigi Badano

Strain Imaging in Coronary Artery Disease

Dr. H. Joachim Nesser

6:30

**Case of the Day Quiz - Lottery
(supported by Canon Medical Systems)**

October 6, Sunday

AM

Session 7

Presiding: Dr. Rekha Mankad and Dr. Jaroslaw Kasprzak

8:00 Valve Diseases of Varied Pathology (Cases 36-42)

Rheumatic Disease, Systemic Disorders, Neoplastic, Radiation-Induced Valve Disease, Degenerative, Inflammatory Infiltrative, Traumatic Etiology, Drug-Induced Disorders

Presenters and Discussants:

Dr. Jaroslaw Kasprzak

Dr. Jutta Bergler-Klein

Dr. Luigi Badano

Dr. Antonio Arias Godinez

Dr. Rekha Mankad

Dr. Muhamed Saric

Dr. Nesser H. Joachim

Session 8

Presiding: Dr. Robert Siegel and Dr. Thomas Binder

9:00 Endocarditis, Prosthetic Valve Problems (Cases 43-50)

Endocarditis – All Bugs Are Not the Same, Spectrum of cases and Impact of Echo Findings, Patient-Prosthesis Mismatch: How to Avoid Them, How to Recognize, How to Treat, Prosthetic Valve Dysfunction, Prosthetic Valve Endocarditis

Presenters and Discussants:

Dr. Fabiola Sozzi

Dr. Frederick Kobey

Dr. Thomas Binder

Dr. Gerard Aurigemma

Dr. Robert Siegel

Dr. Rekha Mankad

10:15 Coffee Break

Session 9

Presiding: Dr. Frederick Cobey and Dr. Choi-Keung Ng

11:00 Let us go to the Operating Theater

Modern Approaches to MV Repair - What do you need to know before surgery? MV Repair Techniques in the Current Era; What do you look for after surgery?

Dr. Anthony Caffarelli and Dr. Natesa Pandian

Repairable Trileaflet and Bicuspid Aortic Valves and Dilated Aorta - What do you need to know before surgery?
Surgical Repair Techniques: When to Spare, When to Repair, When to Replace; What do you look for after surgery?

Dr. Anthony Caffarelli and Dr. Burkhard Mackensen

PM

Session 10

Presiding: Dr. Antonio Arias Godinez and Dr. Elena Cavarretta

12:00 More to Transcatheter Interventions (Cases 51-58)

Echo Guidance for Transcatheter Approach for Nonvalvular and Valvular Problems (LAA closure, ASD/PFO Closure, VSD Closure, Aneurysm Closure)

Presenters and Discussants:

Dr. Muhamed Saric

Dr. Sunil Mankad

Dr. Antonio Arias Godinez

Dr. Alamelu Ramamurthi

Dr. Jaroslaw Kasprzak

12:45 Lunch Break

Session 11

Presiding: Dr. H. Joachim Nesser

2:00 Jos Roelandt Oration

“The 3D Journey; Where it’s been, where it’s going and why aren’t we all taking it?”

Dr. Mark Monaghan

Session 12

Presiding:

2:30 Chamber Size and Function – Let Us Get Real (Cases 59-66)

LV Volumes and Ejection Fraction – Errors Made in 2D and 3D and How to Avoid Them; New Approaches

Dr. Gerard Aurigemma

Diastolic LV Function – A Simplified, Common Sense Approach, New “Guidelines”

Dr. Y. Chandrashekhar

Left and Right Atrial Function – Tell me What Really Works and How Do I Use that Number Clinically

Dr. Mark Monaghan

3:15 Coffee Break

Session 13

Presiding: Dr. Natesa Pandian

4:30 Doppler Challenges (Cases 67-75)

I Ask, You Answer or You Ask, We Answer

Dr. Elif Sade, Dr. Robert Siegel and Dr. Natesa Pandian

5:30 Case of the Day Quiz - Lottery
(supported by Canon Medical Systems)

October 7, Monday

Session 14

Presiding: H. Joachim Nesser and Dr. Maurizio Parato

AM

8:00 Dr. Stefano DeCastro Oration

Mitral Valve Annulus – Yes, It is Important My Friends!

Dr. Francesco Faletra

Session 15

Presiding: Dr. Petros Nihoyannopoulos and Dr. Madhavi Kadiyala

8:30 All About Right Heart (Cases 76-90)

Pulmonary Embolism – Causes and Sources, Unilateral Pulmonary Hypertension, 2D/3D Quantitation of RV Volumes and Ejection Fraction and Treatment Implications

Presenters and Discussants:

Dr. Petros Nihoyannopoulos

Dr. Elif Sade

Dr. Francesco Faletra

Dr. Sunil Mankad

Dr. Gerard Aurigemma

Dr. Fabiola Sozzi

09:30 Coffee Break

Session 16

Presiding: Dr. Antonietta Evangelista and Dr. Y. Chandrashekhara

11:00 Ischemic Heart Disease, Stress Echo, ACS, MI Complications (Cases 91-98)

Dr. Mark Monaghan

Dr. Elif Sade

Dr. Sunil Mankad

Dr. Fabiola Sozzi

Dr. Muhamed Saric

Dr. Maurizio Parato

Dr. Nesser H. Joachim

PM

12:30 Lunch Break

Session 17

Presiding: Dr. Elif Sade and Dr. Jose Angel Urbano

2:00 Cardiomyopathies of Varied Causes I (Cases 99-110)

Hypertrophic Cardiomyopathy – The Spectrum and Treatment Implications

Dr. Natesa Pandian and Dr. Maurizio Parato

Myectomy for Obstructive HCM

Dr. Anthony Caffarelli

Athlete's Heart or Something Else?

Dr. Robert Siegel

A Fib Atrial Cardiomyopathy – I am telling You, It's Really Important!

Dr. Natesa Pandian

3:20 Coffee Break

4:00

Session 18

Presiding: Dr. Petros Nihoyannopoulos and Dr. Elena Cavaretta

Cardiomyopathies of Varied Causes II (Cases 111-118)

Dilated Cardiomyopathies from Different Mechanisms, Arrhythmogenic CMP, Transthyretin CMP, Inflammatory Disorders, Amyloidosis and Other Infiltrative/Storage Diseases, Noncompaction, Peripartum, Endomyocardial Fibrosis, Metabolic CMP, Friedreich's Ataxia, Congenital CMP, Radiation-induced CMP, Toxic CMP, Guidance for Interventional procedures for Heart Failure

Presenters and Discussants:

Dr. Madhavi Kadiyala

Dr. Antonietta Evangelista

Dr. Christian Ebner

Dr. Elena Cavaretta

Dr. Elif Sade

Dr. Mehak Dhande

Dr. Alamelu Ramamurthi

A Multimodality Approach to Cardiomyopathy Puzzles

Dr. Y. Chandrashekhara

Session 19

5:30

ECHO CONTEST

(Cases 119-135)

Conductor:

Dr. Sunil Mankad

Competing Teams:

EUROPE

AMERICA

AUDIENCE

6:30

Case of the Day Quiz - Lottery

(supported by Canon Medical Systems)

October 8, Tuesday

Session 20

Judges: Dr. H. Joachim Nesser, Dr. Natesa Pandian, Dr. Petros Nihoyannopoulos, Dr. Thomas Binder

AM

8:00 Audience Case Study Competition

8:45 Session 21

Presiding: Dr. Natesa Pandian

Meet the Editors

How to construct a clinical or scientific manuscript and Get it Published

Dr. Y. Chandrashekar (Editor-in-Chief, JACC Cardiac Imaging)

Dr. Gerald Maurer (Editor-in-Chief, EHJ Cardiac Imaging)

Dr. Petros Nihoyannopoulos (Editor-in-Chief, Echo Research and Practice)

Session 22

Presiding: Dr. Anthony Caffarelli and Dr. Alberto Milan

9:30 Aortic Pathology (Cases 136-141)

Aortic Dilation, Aortic Dissection, Intramural Hematoma, Penetrating Ulcers, Aortic Masses, Other Aortic Diseases

Presenters and Discussants:

Dr. Robert Siegel

Dr. Petros Nihoyannopoulos

Dr. Alberto Milan

Dr. Gerard Aurigemma

Dr. Madhavi Kadiyala

10:45 Coffee Break

Session 23

Presiding: Dr. Francesco Faletra and Dr. Elif Sade

11:15 Pericardial Disorders (Cases 142-147)

Straight Forward and Atypical Tamponade, Constrictive Pericarditis – Straight Forward and Challenging, Absent Pericardium, Masses and Cysts

Dr. Sunil Mankad

Dr. Rekha Mankad
Dr. Luigi Badano
Dr. Francesco Faletta
Dr. Elif Sade

Session 24

Presiding: Dr. H. Joachim Nesser

Lunch Symposium (supported by Canon and OrphaCare)

12:15 Pulmonary Hypertension: A Scientific and Clinical Tour

Dr. Regina Steringer-Mascherbauer
Dr. Nesser H. Joachim

Session 25

Presiding: Dr. Gerard Aurigemma and Dr. Elena Cavaretta

PM

01:00 Cardiac Masses – Many a Time They are Dilemmas (Cases 148-155)

Cases and Discussion - Clots, Tumors, Pseudo-masses, Foreign Bodies, Left-Overs

Presenters and Discussants:

Dr. Aurigemma
Dr. Burkhard Mackensen
Dr. Muhamed Saric
Dr. Robert Siegel
Dr. Luigi Badano
Dr. Petros Nihoyannopoulos
Dr. Nesser H. Joachim

Session 26

2:15

Moderator: Natesa Pandian

Just talk – A Dialogue With the Audience About Anything in Echocardiography

Session 27

Presiding: Dr. Muhamed Saric and Dr. Mehak Dhande

3:00 Congenital Heart Disease (Cases 156-163)

Obstructions, Shunts, Twisted Connections, Fistulae, Combinations, Arteritis, Anomalous Coronaries, Operated Congenital Heart Defects, Echo Guidance for Interventions and Surgery

Dr. Antonio Arias Godinez

Dr. Ari Horton

Dr. Sunil Mankad

Dr. Burkhard Mackensen

Dr. Muhamed Saric

Dr. Francesco Faletta

Dr. Petros Nihoyannopoulos

Session 28

Presiding: Dr. H. Joachim Nesser and Dr. Natesa Pandian

3:00

FINAL FASCINOMAS, Yes They ARE! (164...)

You Might Have Never Seen a Case Like this! Cases for the Road!

Dr. Thomas Binder

Dr. Frederick Kobey

Dr. H. Joachim Nesser

Dr. Antonio Arias Godinez

Dr. Fabioloa Sozzi

Dr. Any Speaker Who Still Has Energy

4:00 *Adjourn, We Love You!*