

FINAL PROGRAM

Tufts University Medical Center, Boston, USA
Hoag Hospital, Newport Beach, USA and
Elisabethinen Hospital, Linz, Austria
present the 14th International Symposium

Echocardiography Today and Tomorrow

Advanced Echocardiography with Illustrative Case Studies

by a Panel of Distinguished International Faculty

no parallel sessions

October 05 - 08, 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"*

Advanced Echocardiography with Illustrative Case Studies

October 05 - 08, 2019

Symposium Directors:

Natesa G. Pandian and **H. Joachim Nesser**

Co - Director:

Thomas Binder

Local - Organisation

Josef Aichinger Christian Ebner Wolfgang Tkalec
Ordensklinikum Elisabethinen Linz, Austria

**We want to thank the following companies who are
partnering with us for this symposium**

Canon Medical Systems Europe

GE Medical Systems

MSD

Novartis

OrphaCare

Siemens Healthcare Diagnostics GmbH

TomTec

123 Sonography

TOMTEC workshops with hands-on training sessions during the Symposium

Heart Chamber Quantification According to the Guidelines

Virtual reality Learning Lab. The use of VR technology

Location: Scalaria Hotel

Time: During the morning and afternoon coffee breaks

Sunday, October 06th, Monday, October 07th,

Early Registration recommended (- first come, first serve-) due to restricted
number of participants at:

<https://www.tomtec.de/education/workshop-st-wolfgang>

Faculty

USA

Aurigemma Gerard	Worcester	Mankad Rekha	Rochester
Caffarelli Antonio	Newport Beach	Mankad Sunil	Rochester
Chandrashekhar Y.	Minneapolis	Pandian Natesa G.	Newport Beach
Cobey Frederick	Boston	Ramamurthi Alamelu	Boston
Dhande Mehak	Boston	Saric Muhamed	New York
Kadiyala Madhavi	New York	Siegel Robert	Los Angeles
Kim Jin	Orange		

EUROPE

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

MEXICO

Arias-Godinez Antonio	Mexico City
-----------------------	-------------

AUSTRALIA

Horton Ari	Melbourne
------------	-----------

PROGRAM

Saturday, October 05, 2019

AM

8:00

Welcome and Symposium Orientation

Drs. H. Joachim Nesser and Natesa G. Pandian

Session 1

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

**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 3 D 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 – 15)**

9:30

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

Dr. Natesa Pandian

10:00

Doppler: How to avoid errors

Dr. Gerard Aurigemma

10:30

Coffee Break

Saturday, October 05, 2019

AM

Session 3

Presiding: Dr. Natesa G. Pandian

11:30

Special Session Wet Lab

**Anatomy of Cardiac Valves and Related Structure -
Anatomic Dissection and Illustration**

Dr. Anthony Caffarelli

PM

12:30

Lunch Break

Session 4

Presiding: Dr. Sunil Mankad and Dr. Muhamed Saric

2:00

**Valve Disease in Current Era and
Transcatheter Therapy I
(Cases 16 – 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. Muhamed Saric

Dr. Gerard Aurigemma

Dr. Rekha Mankad

3:30

Coffee Break

Session 5

Presiding: Dr. Y. Chandrashekhara 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?

Presenters and Discussants:

Dr. Sunil Mankad

Dr. Robert Siegel

Dr. Mark Monaghan

Dr. Thomas Binder

Dr. Muhamed Saric

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. Natesa Pandian

Strain Imaging in Coronary Artery Disease

Dr. H. Joachim Nesser

6:30 **Case of the Day Quiz – Lottery
(Supported by Canon Medical System)**

AM

Sunday, October 06, 2019

Session 7

Presiding: Dr. Rekha Mankad and Dr. Jaroslaw Kasprzak

8:00

**Valve Disease 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. Jutta Bergler-Klein

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. Frederick Cobey

Dr. Thomas Binder

Dr. Gerard Aurigemma

Dr. Robert Siegel

Dr. Alberto Milan

10:15

Coffee Break

AM

Sunday, October 06, 2019

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. Natesa Pandian

PM

Session 10

Presiding: Dr. Gerard Aurigemma and Dr. Thomas Binder

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

1:00

Lunch Break

PM

Sunday, October 06, 2019

Session 11

Presiding: Dr. H.Joachim Nesser

2:30 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: Dr. Jin Kim and Dr. Alberto Milan

3:00 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. Chandrashekhara

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

Dr. Mark Monaghan

3:45 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 System)

AM

Monday, October 07, 2019

Session 14

Presiding: Dr. H. Joachim Nesser and Dr. Maurizio Parato

8:00

Stefano DeCastro Oration

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

Dr. Francesco Faletra

Session 15

Presiding: Dr. Petros Nihoyannopoulos and Dr. Jin Kim

8:30

All About Right Heart (Cases 76 – 90)

2D/3D Quantification of RV Volumes and Ejection Fraction and Treatment Implications; Pulmonary Embolism, RV Cardiomyopathy, RA Cardiomyopathy

Presenters and Discussants:

Dr. Petros Nihoyannopoulos

Dr. Gerard Aurigemma

Dr. Elif Sade

Dr. Fabiola Sozzi

Dr. Jin Kim

9:45

Coffee Break

Session 16

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

11:00

Ischemic Heart Disease, Stress Echo, ACS, MI – Complications (Cases 91 – 98)

Presenters and Discussants:

Dr. Mark Monaghan

Dr. Muhamed Saric

Dr. Elif Sade

Dr. Maurizio Parato

Dr. Sunil Mankad

Dr. Jaroslaw Kasprzak

Dr. Alberto Milan

Dr. Nesser H. Joachim

PM

12:30

Lunch Break

PM

Monday, October 07, 2019

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. Sunil Mankad, Dr. Maurizio Parato and Dr. Jose Angel Urbano Moral

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. Jin Kim

3:20

Coffee Break

Session 18

Presiding: Dr. Petros Nihoyannopolous and Dr. Elena Cavaretta

4:00

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. Elif Sade

Dr. Antonietta Evangelista

Dr. Mehak Dhande

Dr. Christian Ebner

Dr. Alamelu Ramamurthi

Dr. Elena Cavaretta

A Multimodality Approach to Cardiomyopathy Puzzles

Dr. Y. Chandrashekhar

Session 19

6:00

Echo Contest (Cases 119 – 135)

Conductor: Dr. Sunil Mankad

Competing Teams:

EUROPE

AMERICA

AUDIENCE

7:00

**Case of the Day Quiz – Lottery
(Supported by Canon Medical System)**

AM

Tuesday, October 08, 2019

Session 20

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

8:00

Audience Case Study Competition

Session 21

Meet the Editors

8:45

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

Presiding: Dr. Natesa Pandian

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

Presenters and Discussants:

Dr. Robert Siegel

Dr. Petros Nihoyannopoulos

Dr. Alberto Milan

Dr. Jose Angel Urbano Moral

10:30

Coffee Break

AM

Tuesday, October 08, 2019

Session 23

Presiding: Dr. Francesco Faletra and Dr. Elif Sade

11:45

Pericardial Disorders (Cases 142 – 147)

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

Presenters and Discussants:

Dr. Sunil Mankad

Dr. Fabiola Sozzi

Dr. Francesco Faletra

Dr. Elif Sade

Session 24

PM

Lunch Symposium

12:15

(Supported by Canon and OrphaCare)

Presiding: Dr. H. Joachim Nesser

Pulmonary Hypertension: A Scientific and Clinical Tour

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

Session 25

Presiding: Dr. Gerard Aurigemma and Dr. Elena Cavarretta

1:00

**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. Gerard Aurigemma

Dr. Robert Siegel

Dr. Petros Nihoyannopoulos

Dr. Nesser H. Joachim

Tuesday, October 08, 2019

Session 26

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

2:00

Just talk

Faculty - Audience Dialogue About Anything and Everything in Echocardiography

2:45

Coffee Break

Session 27

Presiding: Dr. Muhamed Saric and Dr. Mehak Dhande

3:30

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

Presenters and Discussants:

Dr. Antonio Arias Godinez

Dr. Ari Horton

Dr. Sunil Mankad

Dr. Francesco Faletta

Dr. Petros Nihoyannopoulos

Session 28

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

4:30

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

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

Presenters and Discussants:

Dr. Thomas Binder

Dr. Frederick Cobey

Dr. H. Joachim Nesser

Dr. Antonio Arias Godinez

5:30

Adjourn, We Love You!

General Information

Symposium Venue:

Congress Center St. Wolfgang, Phone ++43-(0)6138-20300, Fax ++43-(0)6138-203004
Mobil: ++43(0)664-4616310; email: office@congress-wolfgangsee.at

Hotel Scalaria (Exhibition area) Phone ++43-(0)6138-8000, Fax ++43-(0)6138-8080

Symposium Directors:

Natesa G. Pandian, MD

Tufts - University Medical Center, Box 32, 750 Washington Street, Boston, MA 02111, USA

Phone ++1 617 8755755

e-mail: npandian@gmail.com

H. Joachim Nesser, MD

Elisabethstrasse 3-7, 4010 Linz, Austria

Phone ++43(0)664-5300265, Fax ++43(0)7239 51044

e-mail: nesser@cardiology.co.at

home page: <http://www.cardiology.co.at>

Symposium Office:

Ebner Christian, MD

Ordensklinikum Elisabethinen, Fadingerstr.1, 4010 Linz, Austria

Phone ++43(0)732-7676-4918

e-mail: christian.ebner@ordensklinikum.at

Heß Angelika

Ordensklinikum Elisabethinen, Fadingerstr.1, 4010 Linz, Austria

Fax: ++43(0)732-7676-4936

e-mail: angelika.hesz@ordensklinikum.at

Co - Organisation:

MAW (Medizinische Ausstellungs- und Werbegesellschaft, Maria Rodler & Co. Ges.m.b.H.

Engerthstrasse 128, A-1200 Wien; Phone +43(0)1 536 63-32

e-mail: sonja.chmella@media.co.at

Official Opening Hours:

Friday 4th 8:00 pm – 10:00 pm, Saturday 5th 7:00 am – 6:30 pm, Sunday 6th 7:30 am – 5:00 pm

Monday 7th 8:00 am – 5:00 pm, Tuesday 8th 8:00 am – 12:00 pm,

Exhibition area (at the “Hotel Scalaria“ opposite the Conference Center):

Sunday June 11th to Tuesday June 13th 9.00 am - 5:00 pm

Wednesday 14th 9.00 am - 4:00 pm)

Registration Fee:

Symposium (October 05 - 08, 2019)

Euro 650,-

Registration fee for participants includes:

- Access to all scientific events
- Lunch at the exhibition area
- Coffee/tea during breaks

Registration procedure: Just use the registration form and send it per email to nesser@cardiology.co.at or fax to +43 7239 51044

Deadline for registration: Credit Cards & Banktransfer - September 28th, 2019

After this date only on site payment possible, nevertheless send the registration form.

Payment procedures: see the registration form at www.cardiology.co.at

Registration desk at the congress: All congress documents and access badges will be handed over to the registered participants at the registration desks.

Call for Abstracts and Informations for Authors

Send the abstract (Word-document) as attachment with @mail to the Symposium Secretary.

Deadline for submission of abstracts: September 28th, 2019

Abstracts, in English only, may be submitted for poster presentation. The best Abstracts will be published in *“Proceedings of St. Wolfgang Echocardiography Conference“*.

Technical Equipment for posters: Size: 110 cm in width and 90cm in length

Pins and adhesive material will be provided. Please use letters large enough to be read from 1.5 meters distance. Poster viewing will be possible during coffee and lunch breaks. Authors of posters will receive detailed information about mounting and removal times together with the letter of acceptance.

Hotel Accommodation:

Rooms are available in all price categories. Some hotels are located in short walking distance to the Conference Center. Nevertheless early room reservation is recommended.

For further informations and hotel reservation please contact:

Agency Pro Travel:

(Mr. Haberl): Phone ++43-(0)61 38-25 25; Fax ++43-(0)61 38-30 54,

e-mail: protravel@st-wolfgang.at

homepage: www.protravel.at

Travel to St. Wolfgang

Air transport: arrival at airport Salzburg or Munich. From Salzburg airport there is a bus service to the main train station (bus line No. 2).

By car: motorway A1 („Westautobahn“) – see the graph.

By train: to Salzburg main train station (then take the bus).

By bus: from the main train station take bus line No. 150 to Strobl and from there change to the bus line No.546 to “St.Wolfgang” Price approx Euro 16.–.

For individual shuttle service please contact the Pro Travel agency. (see above)!

