



# DIASTOLE DISEASED DD – 2016

March 3 - 5, 2016 - Pisa (Italy)

PROMOTED BY



FONDAZIONE  
INTERNAZIONALE  
MENARINI

*Organized by:*

Centro per la Medicina e la Cardiologia Traslazionale  
(Gabriele Monasterio Foundation, Scuola Superiore Sant'Anna, SSSUP),  
University of Pisa, Azienda Ospedaliera Universitaria Pisana

## PROGRAM

Aula Magna SSSUP, Pisa, Italy  
Aula congressuale Area Ricerca CNR, Pisa, Italy



Diastole diseased.

The neglected function of the heart claims interest. From animal models and pathophysiological pathways of diastolic dysfunction to impact on patients outcome and therapeutic strategies, diastole is revisited with off-road tracks through imaging, biomarkers, comorbidities.



## **"Diastole Diseased"**

*Diastole, the dark side of the heart cycle, has been recognized as a main topic of pathophysiological and clinical interest. Isolated diastolic heart failure is present in nearly half of symptomatic patients, often accompanies systolic heart dysfunction, and is a prominent cause of hospitalization and mortality. Either a unique nosological entity or the final result of cardiac and extracardiac alterations, diastolic heart failure has long represented a problem of definition, nomenclature, diagnosis, a no-man's land to be explored.*

*The diagnostic approach to healthy and diseased diastole, by combination of ultrasounds, cardiac biomarkers and advanced imaging, including cardiac magnetic resonance has improved dramatically, but diastole as a therapeutic target is still a central unattended problem. The neuroendocrine interpretative model in systolic heart failure led, by the use of pharmacological and nonpharmacological strategies of neurohormonal antagonism to the improvement of patients' prognosis, helped by tailored treatment of underlying etiologies, as well as by the use of device implantation. Conversely, attempts for the treatment of "diseased diastole", either by using the same drug armamentarium applied to systolic failure, or by testing novel rational approaches has up-to-date been unsuccessful.*

*Opinion makers propose that we should think to diastolic heart failure not as a unique phenotype, but rather as a spectrum of diseases, given the diverse etiology, the different degree of impairment, and the eventual presence of comorbidities, claiming for a "precision" approach, which would warrant the best care of the individual patient even with currently available therapies.*

*To discuss all these topics, interventions by experts, as well as by young researchers who will join a dedicated program, will cover all pathophysiologic, diagnostic and therapeutic open questions, in order to prepare "the step forward" needed, to claim for an enhanced effort by the clinical community, with more science, more imagination, and a bit "more heart", as the basis for future research in the field of diastole disease.*

*Thanks to the Fondazione Menarini, we have the unique chance to meet together in one of the most beautiful cities in Tuscany, in a workshop endorsed by all the University and Research organizations, strongly collaborating to translational research projects in the field. We are sure of the final success of such an initiative, which we do want to be the first of several ones.*

Michele Emdin and Stefano Taddei  
Course Meeting Directors

*Course Meeting Directors:*

**Michele Emdin & Stefano Taddei**

**Scuola Superiore Sant'Anna, University of Pisa**

*Scientific Secretariat:*

**Claudio Passino, Massimo Piepoli,**

**Lorenzo Ghiadoni, Agostino Virdis**

**Best abstracts on DD presented by young cardiologists/internists**

*Scientific Committee:*

Giuseppe Vergaro, Rosa Maria Bruno, Matteo Cameli

*Promoted by:*

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**DATRE**

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*Under the auspices of:*



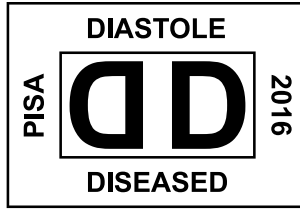
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ESC – HFA



SIIA



**Thursday, March 3rd, 2016**

*Aula Magna SSSUP*

**Opening Cerimony**

05.30 p.m.	<b>Welcome address</b> <b>Marco Filippeschi</b> , Mayor of Pisa <b>Pierdomenico Perata</b> , Rector, Scuola Superiore Sant'Anna <b>Enrico Bonari</b> , Dean, Experimental Sciences Faculty <b>Luciano Ciucci</b> , DG FTGM <b>Massimo Mario Augello</b> , Rector, University of Pisa <b>Mario Petrini</b> , Medical School, University of Pisa <b>Carlo Tomassini</b> , DG AOUP <b>Domenico Laforenza</b> , President CNR Campus, Pisa
06.00 p.m.	<b>Michele Emdin &amp; Stefano Taddei</b> (Pisa, Italy) <i>Systole vs. diastole: the sleep-wake cycle of the heart</i>
06.20 p.m.	<b>Main Lecture</b> , introduced by <b>Stefano Taddei</b> (Pisa, Italy) <b>Walter J. Paulus</b> (Amsterdam, NL) <i>The healthy diastole and pathways towards DD</i>
06.50 p.m.	<b>Main Lecture</b> , introduced by <b>Michele Emdin</b> (Pisa, Italy) <b>Salvatore Settis</b> (Pisa, Italy) <i>Pain and Pathos in Classical Art: Laocoon and His Avatars</i>
07.20 p.m.	<b>Welcome cocktail</b>

## Session I - Etiologies of DD - 1

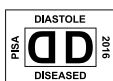
<b>Chairpersons:</b>		<b>Giuseppe Mancia</b> (Monza - MB, I) <b>Enrico Agabiti Rosei</b> (Brescia, I)
08.30 a.m.		<b>Niccolò Marchionni</b> (Florence, I) <i>Ageing</i>
08.50 a.m.		<b>Claudio Borghi</b> (Bologna, I) <i>Hypertensive (diastolic) heart disease</i>
09.10 a.m.		<b>Amir Lerman</b> (Rochester - MN, USA) <i>DD and ischemic heart disease</i>
09.30 a.m.		<b>Stefano Perlini</b> (Pavia, I) <i>Mind amyloidosis!</i>
09.45 a.m.		<b>Edoardo Gronda</b> (Milan, I) <i>DD and kidney</i>

## Session II - Etiologies of DD - 2

<b>Chairpersons:</b>		<b>Gianfranco Parati</b> (Milan, I) <b>Danilo Neglia</b> (Pisa, I)
10.00 a.m.		<b>Massimo Iacoviello</b> (Bari, I) <i>DD in uremic patients</i>
10.15 a.m.		<b>Giovanni De Simone</b> (Naples, I) <i>Diabetes mellitus &amp; DD</i>
10.30 a.m.		<b>Teresa McDonagh</b> (London, UK) <i>Cardiotoxicity</i>
10.50 a.m.		<b>Coffee break</b>

### Best abstracts on DD presented by young cardiologists/internists

<b>Chairpersons:</b>	<b>Giuseppe Vergaro</b> (Pisa, I) <b>Lorenzo Ghiadoni</b> (Pisa, I) <b>Giancarlo Casolo</b> (Camaione, I)
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### Session III - Disease vs failure

<b>Chairpersons:</b>		<b>Massimo Volpe</b> (Rome, I) <b>Piergiuseppe Agostoni</b> (Milan, I)
11.10 a.m.		<b>Walter J. Paulus</b> (Amsterdam, NL) <i>HFpEF: definition</i>
11.30 a.m.		<b>Marco Metra</b> (Brescia, I) <i>HFpEF: the clinical impact</i>
11.50 a.m.		<b>Michele Senni</b> (Bergamo, I) <i>DD in systolic heart failure: when it matters!</i>
12.10 a.m.		<b>Stéphan Laurent</b> (Paris, F) <i>Aortic stiffness &amp; DD</i>
12.30 a.m.		<b>Carsten Tschope</b> (Berlin - D) <i>Left atrium is the glycated hemoglobin of DD</i>
12.50 p.m.		<b>Petar M. Seferovic</b> (Belgrade, SRB) <i>Pericardium &amp; DD</i>
01.10 p.m		<b>Lunch</b>

#### Best abstracts on DD presented by young cardiologists/internists

**Chairpersons:**  
**Giuseppe Vergaro** (Pisa, I)  
**Rosa Maria Bruno** (Pisa, I)  
**Matteo Cameli** (Siena, I)  
**Agostino Virdis** (Pisa, I)



## Session IV - Diagnostic markers of DD - Biomarkers

Chairpersons:	<b>Roberto Latini</b> (Milan, I) <b>Vincenzo Lionetti</b> (Pisa, I)
02.00 p.m.	<b>Alan Maisel</b> (San Diego, USA) <i>Biomarkers of DD 1): After natriuretic peptides and troponins: galectin 3, ST2 and beyond</i>
02.20 p.m.	<b>Alain Cohen Solal</b> (Paris, F) <i>Biomarkers of DD 2): RAAS and adrenergic markers</i>
02.40 p.m.	<b>Claudio Passino</b> (Pisa, I) <i>Functional capacity and exercise tolerance</i>
03.00 p.m.	<b>Main Lecture</b> , introduced by <b>Stefano Taddei</b> (Pisa, I) <b>Gianfranco Gensini</b> (Florence, I) <i>Evidence Based Medicine Reinassance</i>

## Session V - Diagnostic markers of DD - Ultrasounds

Chairpersons:	<b>Vitantonio Di Bello</b> (Pisa, I) <b>Maria Penco</b> (L'Aquila, I)
03.30 p.m.	<b>Petros Nihoyannopoulos</b> (London, I) <i>Ultrasounds and DD</i>
03.50 p.m.	<b>Christina Petersen</b> (Pisa, I) <i>Echo stress testing of diastole</i>
04.10 p.m.	<b>Fabio Guarracino</b> (Pisa, I) <i>Echo assesment of DD: impact in the surgical patient</i>
04.30 p.m.	<b>Coffee break</b>
<b>Best abstracts on DD presented by young cardiologists/internists</b>	
Chairpersons:	<b>Giuseppe Vergaro</b> (Pisa, I) <b>Rosa Maria Bruno</b> (Pisa, I) <b>Matteo Cameli</b> (Siena, I) <b>Agostino Virdis</b> (Pisa, I)
04.50 p.m.	<b>Main Lecture</b> , introduced by <b>Massimo Piepoli</b> (Piacenza, I) <b>Mihai Gheorghiade</b> (Chicago, USA) <i>Mitochondrium and diastole</i>





## Session VI - Diagnostic markers of DD - Imaging beyond ultrasounds

<b>Chairpersons:</b>		<b>Filippo Crea</b> (Rome, I) <b>Paolo Marzullo</b> (Pisa, I)
05.10 p.m.		<b>Giovanni Donato Aquaro</b> (Pisa, I) <i>Cardiac magnetic resonance imaging: delayed enhancement and beyond: T1 mapping &amp; new tools</i>
05.30 p.m.		<b>Alessia Gimelli</b> (Pisa, I) <i>Nuclear medicine: just a bystander?</i>
05.50 p.m.		<b>Main Lecture</b> , introduced by <b>Claudio Passino</b> (Pisa, I) <b>Giorgio Iervasi</b> (Pisa, I) <i>Thyroid hormones and diastole</i>

**Saturday, March 5th, 2016**

*Aula congressuale Area Ricerca CNR*

## Session VII - Clinical DD: who's who among DD patients

<b>Chairpersons:</b>		<b>Raffaele De Caterina</b> (Chieti, I) <b>Fabio Recchia</b> (Pisa, I)
08.30 a.m.		<b>Luigi E. Pastormerlo</b> (Pisa, I) <i>DD and cardiovascular events (stroke, AMI, heart failure)</i>
08.50 a.m.		<b>Gianluca Mirizzi</b> (Pisa, I) <i>DD and atrial fibrillation</i>
09.10 a.m.		<b>Giuseppe Vergaro</b> (Pisa, I) <i>DD and kidney failure</i>
09.30 a.m.		<b>Alberto Giannoni</b> (Pisa, I) <i>DD and apneas</i>
09.50 a.m.		<b>Andrea Barison</b> (Pisa, I) <i>DD and pericardial disease</i>
10.10 a.m.		<b>Coffee break</b>



## Session VIII - Prognosis & treatment

<i>Chairpersons:</i>		<b>Luigi Padeletti</b> (Florence, I) <b>Claudio Ferri</b> (L'Aquila, I)
10.30 a.m.		<b>Aldo Maggioni</b> (Florence, I) <i>Clinical epidemiology of DD</i>
10.50 a.m.		<b>Antonello Gavazzi</b> (Bergamo, I) <i>DD and prognosis: is it worth to consider?</i>
11.10 a.m.		<b>Jacopo Olivotto</b> (Florence, I) <i>Drugs for diastole in HF</i>
11.30 a.m.		<b>Massimo Piepoli</b> (Piacenza, I) <i>Physical training for treating DD</i>
11.50 a.m.		<b>Giacomo Bianchi, Marco Solinas</b> (Massa, I) <i>Surgery of DD: mythology</i>
12.10 a.m.		<b>Young Researchers' Award</b> , Introduced by: <b>Giuseppe Vergaro, Rosa Maria Bruno, Matteo Cameli</b> <i>Best abstracts awarded</i>
12.45 p.m.		<b>Stefano Taddei and Michele Emdin</b> <i>Concluding Remarks</i>
01.00 p.m.		<b>Lunch</b>



# GENERAL INFORMATION

## Meeting venue:

*On thursday, March 3rd, 2016 the venue for the Meeting will be:*

*"Aula Magna - Scuola Superiore S. Anna - Piazza Martiri della Libertà 33 - Pisa (Italy)*

*On Friday, March 4th and Saturday, March 5th, 2016 the venue for the Meeting will be:*

*"Auditorium, Area della Ricerca del CNR. Via Moruzzi 1 - Pisa (Italy)*

## Secretariat during the Meeting:

The Secretariat will be open as follows:

Thursday, Aula Magna Scuola Superiore S. Anna, from 03,30p.m. to 08,00 p.m.

Friday, Auditorium CNR from 07,15 a.m. to 06,30 p.m.

Saturday, Auditorium CNR, from 07,15 a.m. to 14,30 p.m.

## Official language:

The official language of the Meeting will be English,  
translation will be available on March 4th, 5th.

## CME Accreditation

The application for CME accreditation has been submitted for Italian physicians.

The CME credits will be awarded only after full attendance of all sessions.

Completion of the registration Form, the learning & assessment questionnaires are compulsory.

## Registration:

The registration is free of charge..

Please confirm the participation to the Organizing Secretariat

(Fondazione Internazionale Menarini - Phone: +39 02 55308110 - Fax: +39 02 55305739.

E-mail: milan@fondazione-menarini.it)

## Technical facilities:

Facilities will be available for computer presentations and overhead projections.

A business center with PC (Powerpoint for Windows) will be available to check presentations..

It is essential that speakers bring presentation to  
the business center at least one hour before the session starts.

The center will be open as follows:

Thursday, Aula Magna Scuola Superiore S. Anna, from 03,30 p.m. to 07,00 p.m.

Friday, Auditorium CNR from 07,15 a.m. to 06,00 p.m.

Saturday, Auditorium CNR, from 07,15 a.m. to 13,00 p.m.

## Lunches and coffee breaks:

Lunches and coffee breaks will be served in the Meeting area.

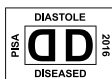
## Abstracts book:

Participants will receive the Abstract book at the Meeting.



# Faculty List

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