Innovations in cardiac amyloidosis. Pathophysiology, diagnosis and treatment

PISA AMYLOID
2022

June 30th - July 1st

Aula Magna
CNR Research Area
Via G. Moruzzi, 1
Pisa, Italy

Organizers
M. Emdin, C. Rapezzi
C. Passino, G. Vergaro
Cardiac amyloidosis (CA) is caused by the accumulation of amyloid fibrils in the extracellular space of the myocardium, leading to clinical manifestations that include conduction disturbances and heart failure. CA was traditionally considered a rare disease with no effective therapies and a poor prognosis. In recent years, more options for non-invasive diagnosis and greater disease awareness have led to the identification of a growing number of cases, challenging the notion of CA as a rare disorder. The ability to recognize and manage patients with CA should become part of the core curriculum of Cardiologists as well as Internal Medicine specialists, General Practitioners, Neurologists, Nephrologists and Hematologists.

The Pisa Amyloid 2022 meeting will gather international experts in CA to the city of the leaning tower, and will represent a unique opportunity to learn about CA for all audiences, as it will span from basic knowledge to the forefront of scientific research.

Michele Emdin, Claudio Passino, Claudio Rapezzi, Giuseppe Vergaro
Organizers:
Michele Emdin, Claudio Passino, Claudio Rapezzi, Giuseppe Vergaro

Scientific Committee:
Alberto Aimo, Giovanni Donato Aquaro, Andrea Barison, Gabriele Buda, Matteo Cameli, Francesco Cappelli, Vincenzo Castiglione, Gianluca Di Bella, Dario Genovesi, Alberto Giannoni, Giuseppe Limongelli, Marco Merlo, Federico Perfetto

Co-organized by:
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E-mail: info@contatto.tv
Web site: www.contatto.tv

Under the auspices of:
11.30 a.m. Welcome addresses

**Sabina Nuti**  
Rector, Sant’Anna School of Advanced Studies

**Marco Torre**  
Director General  
Fondazione Toscana Generale Monasterio (FTGM)

**Andrew Coats**  
President, Heart Failure Association  
European Society of Cardiology

**Stefano Taddei**  
Director, Department of Experimental and Clinical Medicine, University of Pisa IT

**Fabio A. Recchia**  
Director, CNR Institute of Clinical Physiology, Pisa IT

**Michele Emdin**  
Professor of Cardiology, Sant’Anna School of Advanced Studies  
Director, Cardio-Thoracic Department FTGM

*Michele Emdin* introduces

12.00 p.m. **Main Lecture**  
How to make classic art contemporary  
**Salvatore Settis**, Pisa IT

*Claudio Passino* introduces

12.30 p.m. **Main Lecture**  
From Virchow to gene silencing: the journey of cardiac amyloidosis  
**Claudio Rapezzi**, Ferrara IT

01.00 p.m. **Lunch**
SESSION 1: CARDIAC AMYLOIDOSIS IN 2022

Chairpersons: Andrew Coats, Coventry UK - Melbourne, AUS
Michele Emdin, Pisa IT

02.00 p.m. Where is cardiac amyloidosis hiding?
What we know about epidemiology
Stefano Perlini, Pavia IT

02.20 p.m. Classification of cardiac amyloidosis:
ATTR vs AL vs other forms
Massimo Imazio, Udine IT

02.40 p.m. ATTR amyloidosis: the neurologist’s perspective
Teresa Coelho, Porto PT

03.00 p.m. Systemic immunoglobulin light chain amyloidosis:
when the heart is involved
Gabriele Buda, Pisa IT

03.20 p.m. Best practice in managing cardiac amyloidosis:
Consensus Documents and beyond
Alberto Aimo, Pisa IT

03.40 p.m. Discussants: Alain Cohen-Solal, Paris FR
Stefano Perlini, Pavia IT
Gabriele Siciliano, Pisa IT

04.00 p.m. Coffee Break

Young Investigator Award Totem presentations
Chairpersons: Andrea Barison, Pisa IT
Chrysanthos Grigoratos, Pisa IT
SESSION 2: DIAGNOSIS AND STAGING

Chairpersons: Giuseppe Ambrosio, Perugia IT
Antoni Bayes Genis, Barcelona ES

04.15 p.m. Red flags of cardiac amyloidosis
Giuseppe Vergaro, Pisa IT

04.35 p.m. Biomarkers to diagnose and stage cardiac amyloidosis
Vincenzo Castiglione, Pisa IT

04.55 p.m. What (and how) to look for in tissue biopsy
Laura Obici, Pavia IT

05.15 p.m. Diagnostic flow-chart in 2022
Pablo Garcia-Pavia, Madrid ES

05.35 p.m. Discussants: Simone Longhi, Bologna IT
Maria Franzini, Pisa IT
Matteo Serenelli, Ferrara IT
SESSION 3: ADVANCES IN IMAGING - 1

Chairpersons: Filippo Cademartiri, Pisa IT
             Matteo Cameli, Siena IT

05.55 p.m.  Myocardial deformation:
            diagnostic and prognostic potential
            Iacopo Fabiani, Pisa IT

06.15 p.m.  Diagnostic and prognostic scores
            Alessia Argirò, Florence IT

06.35 p.m.  Aortic stenosis and cardiac amyloidosis
            Victoria Delgado, Barcelona ES

06.55 p.m.  Hypertrophic phenocopies
            other than amyloidosis
            Giancarlo Todiere, Pisa IT

07.15 p.m.  Discussants: Francesco Gentile, Pisa IT
             Daniela Tomasoni, Brescia IT
             Valentina Spini, Pisa IT
SESSION 3: ADVANCES IN IMAGING - 2

Chairpersons: Alessia Gimelli, Pisa IT
                Sabahat Bokhari, New York USA

08.40 a.m.  Magnetic resonance imaging in cardiac amyloidosis – basics
            Andrea Barison, Pisa IT

09.00 a.m.  What to ask (and what not to ask) to cardiac magnetic resonance
            Giovanni Donato Aquaro, Pisa IT

09.20 a.m.  Unsolved issues in bone scintigraphy imaging
            Sharmila Dorbala, Boston USA

09.40 a.m.  PET tracers in AL and ATTR cardiac amyloidosis
            Dario Genovesi, Pisa IT

10.00 a.m.  Discussants: Gianluca Di Bella, Messina IT
                Filippo Cademartiri, Pisa IT
                Assuero Giorgetti, Pisa IT

10.20 a.m.  Lecture
            The long journey of tafamidis
            Jeffery W. Kelly, La Jolla USA

10.45 a.m.  Coffee Break

Young Investigator Award Totem presentations
Chairpersons: Piergiuseppe Agostoni, Milan IT
                Alberto Aimo, Pisa IT
SESSION 4: MANAGEMENT - 1

Chairpersons: Francesco Clemenza, Palermo, IT  
Sara Galimberti, Pisa IT

11.00 a.m. Tetramer stabilizers:  
how to select and monitor patients  
Mathew Maurer, New York USA

11.20 a.m. Management of heart failure in cardiac amyloidosis  
Claudio Passino, Pisa IT

11.40 a.m. Prevention and treatment  
of arrhythmias in cardiac amyloidosis  
Marco Canepa, Genua IT

12.00 p.m. Discussants: Gabriele Buda, Pisa IT  
Carlo M. Lombardi, Brescia IT  
Aldostefano Porcari, Trieste IT

12.20 p.m. Main Lecture  
Contemporary and future treatment  
of AL amyloidosis  
Giampaolo Merlini, Pavia IT

12.50 p.m. Lunch

01.50 p.m. Young Investigator Award Totem presentations  
Chairpersons: Christina Petersen, Pisa IT  
Emilio Pasanisi, Livorno IT
SESSION 5: MANAGEMENT - 2

Chairpersons: Marco Metra, Brescia IT
Giuseppe Vergaro, Pisa IT

02.10 p.m. What to expect from artificial intelligence
Martha Grogan, Rochester USA

02.30 p.m. Proteomics for whom?
Angela Dispenzieri, Rochester USA

02.50 p.m. Drug pipeline for ATTR -1
Interfering with nucleic acids
Marianna Fontana, London UK

03.10 p.m. Drug pipeline for ATTR -2
Is it really possible to remove amyloid from the heart?
Jacob George, Rehovot IL

03.30 p.m. Discussants: Liam McDonnell, Pisa IT
Francesco Greco, Pisa IT
Angela Pucci, Pisa IT

03.50 p.m. Coffee Break

Young Investigator Award Totem presentations
Chairpersons: Piergiuseppe Agostoni, Milan IT
Claudio Passino, Pisa IT
SESSION 6: STAKEHOLDERS IN CARDIAC AMYLOIDOSIS

Chairpersons: Aldo Maggioni, Florence IT
Fabrizio Oliva, Milan IT

04.05 p.m. The myth of cost-effectiveness in rare diseases
Milena Vainieri, Pisa IT

04.25 p.m. Role of patient association and caregivers
Isabelle Lousada, Newton USA

04.45 p.m. The role of the specialists
Marco Merlo, Trieste IT

05.05 p.m. The role of Scientific Societies and Regulatory Agencies
Claudio Rapezzi, Ferrara IT

05.25 p.m. Discussants: Alberto Giannoni, Pisa IT
Giuseppe Limongelli, Naples IT
Massimo Francesco Piepoli, Pavia IT

05.45 p.m. Main Lecture
First in humans genome editing for Transthyretin Amyloidosis
Julian Gillmore, London UK

06.15 p.m. Young Investigator Award Ceremony
Chairpersons: Piergiuseppe Agostoni, Milan IT
Claudio Passino, Pisa IT

06.30 p.m. Next stop: ISA Congress in Heidelberg
September 4-8, 2022
Michele Emdin, Pisa IT

06.40 p.m. Closing remarks
Michele Emdin, Pisa IT, Claudio Rapezzi, Ferrara IT
GENERAL INFORMATION

Meeting venue:
On Thursday, June 30th and Friday, July 1st, 2022 the venue for the Meeting will be:
Aula Magna, CNR Research Area
Via Giuseppe Moruzzi, 1 56124 Pisa, Italy

Secretariat during the Meeting:
The secretariat will be open at the following times:
Aula congressuale Area Ricerca CNR
Thursday June 30th from 10:30 a.m. to 19:35 p.m.
Friday July 1st from 08:00 a.m. to 18:30 p.m.

Official language:
The official language of the Meeting will be English.

Registration:
Attendance at the meeting is free.
For more information and to register please visit the following website:
www.en.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 for the checking and preview of presentations.
All speakers must take their presentations to the business center at least one hour before the session starts.

Faculty Slide Centre Opening Hours
The center will be open at the following times:
Thursday June 30th from 09:30 a.m. to 19:35 p.m.
Friday July 1st from 07:00 a.m. to 18:30 p.m.

Lunches and coffee breaks:
Lunches and coffee breaks will be served in the Meeting area.
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- Milena Vainieri  
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- Giuseppe Vergaro  
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HOW TO REGISTER AND JOIN THE EVENT

VIA WEBSITE AND/OR APP - HYBRID EVENT
Subscription to the Reserved Area and to the Event of your interest is required.
REGISTRATION IS FREE.

RESIDENTIAL EVENT
Via website www.en.fondazione-menarini.it

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1) Please visit the page of the congress of your interest:
2) Click on “SUBSCRIBE TO RESIDENTIAL EVENT” and LOG IN with your credentials.
3) Choose which days you wish to attend.
   You will receive a confirmation email including your registration QR CODE for entering the event.

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   www.en.fondazione-menarini.it/Home/Sign-up-the-Reserved-Area
3) Fill in all the mandatory fields and complete the registration, click on REGISTER (only once).
   Wait for the confirmation page to appear, do not click on anything or leave the page.
   Once you receive confirmation, return to the home page, you will already be logged-in to the reserved area.
4) Visit the page of the congress of your interest:
5) Confirm your registration by clicking on “SUBSCRIBE TO RESIDENTIAL EVENT” and LOG IN with your credentials.
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In accordance with the current Covid regulations, we would like to remind you that the number of places reserved is limited to the actual capacity of the venue.
We therefore kindly ask you to cancel your registration if you are unable to attend, so that other interested users can participate.

Further to specific requests of the hospitality structures you are strongly advised to come equipped with the EU Digital Covid Certificate in order to ensure your participation in all phases of the Congress.
HOW TO REGISTER AND JOIN THE EVENT

LIVE STREAMING
Via website www.en.fondazione-menarini.it

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You can enjoy the LIVE STREAMING for free on June 30th and July 1st 2022.

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VIA FONDAZIONE MENARINI APP
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2022