

PROGRAMME

# SUDDEN CARDIAC DEATH

Prague (Czech Republic)

March 30<sup>th</sup> - 31<sup>st</sup> and April 1<sup>st</sup> 2017



**Municipal House**  
*Prague*

**Organised by:**

**IRCCS Istituto Auxologico Italiano**  
*Milan (Italy)*

**IKEM - Institute for Clinical and Experimental Medicine**  
*Prague (Czech Republic)*

**Promoted by**



FONDAZIONE  
INTERNAZIONALE  
MENARINI

 **ISTITUTO  
AUXOLOGICO  
ITALIANO**  
Istituto di ricovero e cura a carattere scientifico

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# Introduction

## Co-Chairs of the Meeting

Professor **Peter J. Schwartz**  
Professor **Josef Kautzner**

## Promoted by:

### Fondazione Internazionale Menarini

Edificio L - Strada 6  
Centro Direzionale Milanofiori  
I-20089 Rozzano (Milan, Italy)  
Phone: +39 02 55308110  
Fax: +39 02 55305739  
E-mail: milan@fondazione-menarini.it  
Http:\\www.fondazione-menarini.it

## Organising secretariat and CME provider

### AVEC S.r.l. - Incentive Paintings

#### Angela Volpe / Claudia Cislaghi

Via Lavoratori Autobianchi, 1  
c/o Polo Tecnologico Brianza - Edificio 9 - Ufficio 14  
I-20832 Desio (MB), Italy  
Phone: +39 0362 581579 – Fax: +39 0362 1860074  
E-mail: angela.volpe@avec-eventi.com  
claudia.cislaghi@avec-eventi.com

*Sudden cardiac death (SCD) remains a major public health problem in developed countries. Nonetheless, the last two decades have witnessed many advances in the epidemiology of SCD, its prediction and prevention.*

*We have learned that approximately half of these events occur in individuals without a previously diagnosed heart disease. The proportion of the presenting arrhythmia in patients with cardiac arrest has somewhat changed from ventricular fibrillation towards pulseless electrical activity and asystole.*

*These observations, if further confirmed, may challenge previous strategies of risk stratification and the management of survivors of cardiac arrest.*

*Despite efforts to identify patients with clinical, anatomic, autonomic, electrical, and/or transient risk factors, the predictive accuracy of relevant diagnostic tests remains often inconclusive. Further progress in this field can be expected by imaging studies that are playing an increasing role in identification of high-risk patients. There have been major advances in the understanding of the role of genetics and we have clearly entered in an era in which knowledge of the genotype will contribute to a better individualization of the management of patients at risk for life-threatening arrhythmias of genetic origin.*



# Programme

*While the use of implantable defibrillators has been a tremendous advance in patients at risk for ventricular tachyarrhythmias, the use of automatic external defibrillators and wearable defibrillators is a recent advance that allows potential SCD prevention in more patients.*

*New strategies to improve outcomes in patients with out-of-hospital cardiac arrest are being developed.*

*We decided to organize this symposium to update and review the most critical new data on epidemiology, risk stratification and prevention of SCD. Both of us have been involved in this topic for many years and our institutions guarantee the scientific level of such meeting.*

*With the major support of the "Fondazione Internazionale Menarini" we have succeeded in bringing together an outstanding faculty which includes the world leaders in the field.*

*The structure of the meeting is such to allow adequate discussion time and interaction between audience and faculty.*

*The city of Prague has been selected for the venue not only because of its location but also for the further promotion of the integration of the Eastern part of Europe.*

*We look forward to seeing you in Prague!*

## Presidents of the Meeting

Professor **Peter J. Schwartz**

Professor **Josef Kautzner**

## Thursday, March 30<sup>th</sup>, 2017 Afternoon

Chairpersons

**J. Kautzner** (Prague, CZ)

**P. J. Schwartz** (Milan, I)

18.30 – 19.00

**Key Note lecture**

**S. S. Chugh** (Los Angeles, US)

***Sudden Cardiac Death in 2017***

19.00 – 20.00

Welcome Ceremony



# Programme

## ○ Friday, March 31<sup>st</sup>, 2017

*Morning*

### ● Session I: Overview on Epidemiology

Chairpersons

**S. S. Chugh** (Los Angeles, US)  
**D. Corrado** (Padua, IT)

09.00 – 09.30

**J. Tfelt-Hansen** (Copenhagen, DK)  
***SD in Europe and in the world***

09.30 – 10.00

**X. Jouven** (Paris, FR)  
***Out of hospital Cardiac Arrest***

10.00 – 10.30

**S. Kääb** (Munich, DE)  
***Genetics of SD***

10.30 – 11.00

*Coffee break*

### ● Session II: Sudden Death and Specific Conditions - I

Chairpersons

**J. Kautzner** (Prague, CZ)  
**A.M. Wilde** (Amsterdam, NL)

11.00 – 11.30

**M. Shenasa** (San Jose, USA)  
***Hypertension, left ventricular hypertrophy and sudden cardiac death***

11.30 – 12.00

**D. Corrado** (Padua, IT)  
***Sudden Death in Athletes***

12.00 – 12.30

**A. E. Buxton** (Boston, US)  
***Sudden Death in Ischemic Heart Disease***

12.30 – 14.00

*Buffet Lunch*



# Programme

## ○ Friday, March 31<sup>st</sup>, 2017

*Afternoon*

### ● Session III: Overview on Management

Chairpersons

**A. J. Camm** (London, UK)  
**A. E. Buxton** (Boston, US)

14.00 – 14.30

**S. Hohnloser** (Frankfurt, DE)  
**Drugs**

14.30 – 15.00

**N. Dagues** (Leipzig, DE)  
**G. Hindricks** (Leipzig, DE)  
**Devices**

15.00 – 15.30

**P. J. Schwartz** (Milan, IT)  
**Sympathetic Denervation**

15.30 – 15.45

*Coffee Break*

15.45 – 16.15

**J. Kautzner** (Prague, CZ)  
**Ablation for life-threatening arrhythmias**

16.15 – 16.45

**R. Cappato** (Milan, IT)  
**New approaches for ICDs**

## ○ Saturday, April 1<sup>st</sup>, 2017

*Morning*

### ● Session IV: ECG/Arrhythmia Imaging and Sudden Death

Chairpersons

**N. Dagues** (Leipzig, DE)  
**P. Elliott** (London, UK)

08.30 – 09.00

**Y. Rudy** (Washington, US)  
**Non Invasive ECG Imaging: mapping the arrhythmic substrate**

09.00 – 09.30

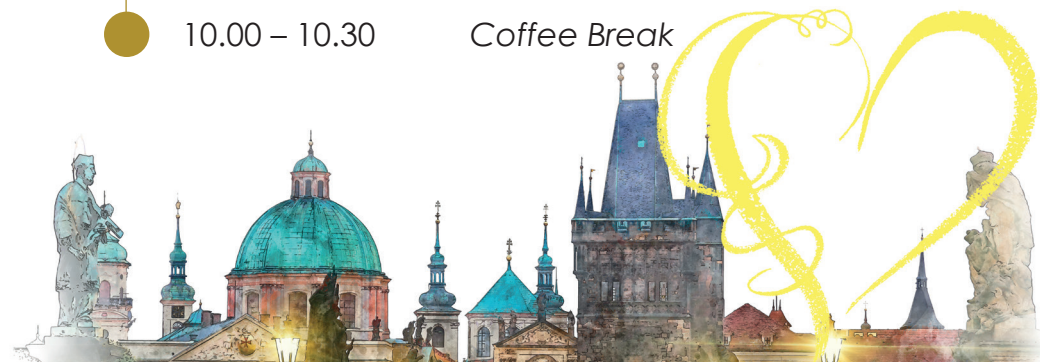
**A. Bauer** (Munich, DE)  
**ECG and Autonomic Markers for Sudden Death**

09.30 – 10.00

**J. Bax** (Leiden, NL)  
**MRI/MIBG and SD**

10.00 – 10.30

*Coffee Break*



# Programme

## ○ Saturday, April 1<sup>st</sup>, 2017

*Morning*

### ● Session V: Sudden Death and Specific Conditions - II

Chairpersons

**S. Kääb** (Munich, DE)  
**P.J. Schwartz** (Milan, IT)

10.30 – 11.00

**L. Crotti** (Milan, IT)  
***Genetics of sudden cardiac death***

11.00 – 11.30

**A. A. M. Wilde** (Amsterdam, NL)  
***Channelopathies***

11.30 – 12.00

**P. Elliott** (London, UK)  
***Cardiomyopathies***

12.00 – 12.30

**M. Gnechi** (Pavia, IT)  
***Toward the future with iPS***

● 12.30 – 13.15

**Key Note lecture**

**A. J. Camm** (London, UK)  
***Hopes and Disappointments with Antiarrhythmic Drugs***

● 13.15 – 14.15

*Buffet Lunch*



# General Information

## Meeting venue

### Municipal House

Nám. Republiky 5, 111 21 Prague 1, Czech Republic

## Registration hours:

Thursday, **March 30<sup>th</sup>**: 05.30 p.m. to 07.00 p.m.

Friday, **March 31<sup>st</sup>**: 08.00 a.m. to 04.45 p.m.

Saturday, **April 1<sup>st</sup>**: 07.30 a.m. to 01.15 p.m.

## Official language

**English.** Simultaneous translation will not be provided.

## Registrations

**No registration fee is required to attend the Conference.**

Please return the registration form to:

**AVEC S.r.l. - Incentive Paintings - Angela Volpe**

Via Lavoratori Autobianchi, 1 - c/o Polo Tecnologico Brianza  
Edificio 9 - Ufficio 14

I-20832 Desio (MB, Italy)

Phone: +39 0362 581579 – Fax: +39 0362 1860074

E-mail: [angela.volpe@avec-eventi.com](mailto:angela.volpe@avec-eventi.com) / [info@avec-eventi.com](mailto:info@avec-eventi.com)

## Congress website

[www.SuddenCardiacDeath-Prague2017.com](http://www.SuddenCardiacDeath-Prague2017.com)

## Accreditation

An application has been made for **Continuing Medical Education (CME)** accreditation of this event by Avec to the following institutions:

- European Accreditation Council for Continuing Medical Education (EACCME)
- European Board for Accreditation in Cardiology (EBAC)

## Continuing Medical Education (CME) Credits

Each participant should claim only those hours of credit that have actually been spent in the educational activity.

## Technical facilities

**A Slide Center with PCs** (Windows and Macintosh operating systems) will be available for Speakers to preview and finalize their presentations. **Speakers are kindly requested to submit their presentations on USB flash drive to the Slide Center technicians at least one hour before their talks.**

## Slide Centre opening hours:

Thursday, **March 30<sup>th</sup>**: 05.30 p.m. to 07.00 p.m.

Friday, **March 31<sup>st</sup>**: 08.00 a.m. to 04.45 p.m.

Saturday, **April 1<sup>st</sup>**: 07.30 a.m. to 01.15 p.m.

## Lunch and coffee breaks

Lunch and coffee breaks will be provided on the conference premises.

## Abstracts book

Participants will receive the Abstract book at the Registration Desk.

## Attendance certificate

The attendance certificate will be provided on-site upon request at the Registration Desk



# Meeting

## LIST OF SPEAKERS, DISCUSSANTS, CHAIRPERSONS AND CO-PRESIDENTS OF THE MEETING

### **Axel BAUER**

Munich University Clinic  
Deutsches Zentrum für Herzkreislaufforschung (DZHK)  
**Munich (Germany)**

### **Jeroen BAX**

ESC President-Elect  
Director of Noninvasive Imaging  
Department of Cardiology  
Leiden University Medical Centre (LUMC)  
**Leiden (The Netherlands)**

### **Alfred E. BUXTON**

Cardiovascular Division  
Department of Medicine  
Beth Israel Deaconess  
Medical Center and Harvard  
Medical School  
**Boston (U.S.A.)**

### **A. John CAMM**

Professor of Clinical Cardiology  
Honorary Consultant  
Cardiologist St. George's,  
University of London  
**London (United Kingdom)**

### **Riccardo CAPPATO**

Medical Director, Cardiologist  
Humanitas Research Hospital  
**Milan (Italy)**

### **Sumeet S. CHUGH**

Heart Institute,  
Cedars-Sinai Medical Center  
**Los Angeles (U.S.A.)**

### **Domenico CORRADO**

Professor of Cardiovascular  
Medicine  
Director, Inherited Arrhythmogenic  
Cardiomyopathy Unit  
Dept. of Cardiac, Thoracic and  
Vascular Sciences  
University of Padua Medical  
School  
**Padua (Italy)**

### **Lia CROTTI**

Department of Cardiology  
San Luca Hospital  
IRCCS Istituto Auxologico Italiano  
**Milan (Italy)**

### **Nikolaos DAGRES**

Leipzig University Hospital  
**Leipzig (Germany)**

### **Perry ELLIOTT**

UCL Institute for Cardiovascular  
Science  
University College London  
Barts Heart Centre  
St Bartholomew's Hospital  
**London (United Kingdom)**

### **Massimiliano GNECCHI**

Department of Molecular Medicine,  
Unit of Cardiology, University of Pavia  
Department of Cardiothoracic and  
Vascular Sciences - Coronary Care  
Unit and Laboratory of Clinical and  
Experimental Cardiology, Fondazione  
IRCCS Policlinico San Matteo  
Laboratory of Experimental Cardiology  
for Cell and Molecular Therapy,  
Department of Cardiology,  
Fondazione IRCCS Policlinico  
San Matteo  
**Pavia (Italy)**

### **Gerhard HINDRICKS**

Leipzig University Hospital  
**Leipzig (Germany)**

### **Stefan H. HOHNLOSER**

Professor of Cardiology  
J. W. Goethe University  
Dep. of Cardiology  
Div. of Clinical Electrophysiology  
Theodor Stern Kai 7  
**Frankfurt (Germany)**

### **Xavier JOUVEN**

Cardiology Department  
European Georges-Pompidou  
Hospital  
Paris Cardiovascular Research  
Center  
Inserm U970 (PARCC)  
**Paris (France)**

### **Stefan KÄÄB**

Associate Professor of Cardiology  
LMU Munich University Hospital  
**Munich (Germany)**





# NOTE

**Josef KAUTZNER**

Head of Department of Cardiology  
Institute for Clinical  
and Experimental Medicine  
**Prague** (Czech Republic)

**Yoram RUDY**

The Fred Saigh Distinguished  
Professor  
Professor of Biomedical Engineering,  
Cell Biology & Physiology  
Medicine, Radiology,  
and Pediatrics  
Director, Cardiac Bioelectricity  
and Arrhythmia Center (CBAC)  
Washington University in St. Louis  
Member, National Academy of  
Engineering  
**Washington** (U.S.A.)

**Peter J. SCHWARTZ**

Professor and Head  
Center for Cardiac Arrhythmias  
of Genetic Origin  
IRCCS Istituto Auxologico Italiano  
c/o Centro Diagnostico  
e di Ricerca San Carlo  
**Milan** (Italy)

**Mohammad SHENASA**

Heart & Rhythm Medical Group  
**San Jose** (U.S.A.)

**Jacob TFELT-HANSEN**

Department of Cardiology  
The Heart Centre, University of  
Copenhagen  
Rigshospitalet  
**Copenhagen** (Denmark)

**Arthur A. M. WILDE**

Department of Cardiology  
Academic Medical Center, (AMC)  
**Amsterdam** (The Netherlands)

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# Registration Form

RE: Informative note pursuant to art. 13  
of Legislative Decree 196/2003

## SUDDEN CARDIAC DEATH

Prague (Czech Republic),  
March 30<sup>th</sup> - 31<sup>st</sup> and April 1<sup>st</sup>, 2017

Promoted by



Physician

Postgraduate

Surname		Name	
Title		Professional Area	
Institution			
Address			
City	Postcode	Country	
Telephone	Mobile	Fax	
E-mail			

**No registration fee is required to attend the conference.**  
**Please return the registration form to:**

**AVEC S.r.l. - Incentive Paintings - Angela Volpe**  
Via Lavoratori Autobianchi, 1 - c/o Polo Tecnologico Brianza - Edificio 9 - Ufficio 14  
I-20832 Desio (MB), Italy  
Tel.: +39 0362 581579 – Fax: +39 0362 1860074  
E-mail: info@avec-eventi.com

Date	Signature
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Dear Client, this is to inform you that the processing of your personal data will be carried out in our company in full compliance with Law /2003. As established by this law, the processing will be based on the principles of correctness, lawfulness and transparency in order to protect your confidentiality and rights.

- 1) Pursuant to art. 13 we inform you that the data collected will be used for the following purposes:
- Organization of events, travel incentives, congresses and conventions: performance of bureaucratic procedures, reservation of tickets for transport, hotels, tourist services; organisational logistics, etc., and/or performance of accreditation procedures (ECM);
  - Taxation and accounting obligations;
  - Operational and managerial requirements;
  - Possible forwarding of informative and promotional material relating to our sector in printed form or electronically.

2) For data required to fulfil obligations envisaged by law, regulations and Community legislation or provisions issued by legally empowered authorities and vigilance and control bodies, and to perform our business activities and fulfil our accounting, taxation and corporate organisational obligations, we are not required to obtain your consent and failure to provide such data will make it impossible to continue the relationship to the extent that said data are necessary for performance of the same.

The purchase of products and services marketed by AVEC SRL enables the latter to forward informative, advertising and promotional material relating to its sector of expertise in compliance with the methods indicated in point 1/d), pursuant to art. 130 subsection 4 of Legislative Decree 196/2003 and point 6 of the provision 'Simplification of certain requirements in the public and private domain concerning data processing for administrative and accounting purposes' - 19 June 2008 *Gazzetta Ufficiale* (Official Bulletin) no. 152 dated 1 July 2008. Should you decide to object to the processing operations for commercial purposes, said refusal/objection will not have any consequences of any kind. The providing of personal data in order to receive advertising and informative material relating to our area of expertise either in printed form or electronically is entirely optional. Should you decide to object to the processing operations for commercial purposes, said refusal/objection will not have any consequences of any kind.

3) The personal data are processed by the persons in charge who are assigned to said processing in order to ensure correct fulfilment of the purposes indicated in point 1) via electronic instruments and printed files, also via use of safety measures aimed at guaranteeing the confidentiality of the personal data and preventing undue access by unauthorised subjects. Said data will not be subject to disclosure.

Data may be disclosed to the following subjects in their capacity as autonomous data processing controllers and/or in charge of external processing:

- accountants for bookkeeping and taxation obligations;
- attorneys for legal assistance for contractual purposes and management of litigation;
- entities/companies which collaborate with our company in the various sectors, for reasons strictly connected to the purposes set forth in point 1);
- banks and credit institutions.

You may contact the processing controller and persons in charge in order to exercise your rights as set forth in article 7 of Legislative Decree no. 196/2003, that is, the confirmation of the existence or otherwise of the data concerning you, the erasure, anonymization and blocking of data that has been processed unlawfully, the updating, rectifying or integrating of data, certification to the effect that the operations have been notified to the entities to whom or which said data were communicated or disseminated. The right to object to the processing of personal data for the commercial purposes set forth in point 1 d), where it is carried out via automated contact means, shall also be extended to traditional means without prejudice to the possibility for the interested party to exercise this right in part,



pursuant to art. 7, subsection 4, letter b), of the Code, that is, by only objecting for example to the sending of promotional communications with the help of automated means. All requests may be forwarded by email to: [info@avec-eventi.com](mailto:info@avec-eventi.com) by phone to: 0362/ 581579 , or by fax to 0362/1860074.

4) The data controller is: **AVEC SRL Via Lavoratori, Autobianchi, 1 - Lotto 9/Uff.14 - 20832 – Desio(MB)**

5) The person in charge of the processing is: **Volpe Angela**

The purchase of products and services marketed by AVEC SRL enables the latter to forward informative, advertising and promotional material relating to its sector of expertise, as set forth in point 1 d), by email or in printed form and also by means of automated systems, pursuant to point 6 provision 'Simplification of certain requirements in the public and private domain concerning data processing for administrative and accounting purposes' - 19 June 2008 GazzettaUfficiale (Official Bulletin) no. 152 dated 1 July 2008.

**If you do not wish to receive such material mark a cross in the box alongside and send this informative note back to us by email or fax duly signed and stamped.** The interested party's right to object to the processing of personal data for the commercial purposes set forth in point 1 d), where it is carried out via automated contact means, shall also be extended to traditional means without prejudice to the possibility for the interested party to exercise this right in part, pursuant to art. 7, subsection 4, letter b), of the Code, that is, for example by only objecting to the sending of promotional communications with the help of automated means. Therefore, in the case of any objections, we invite you to specify in detail\*, whether you intend to totally object to the purposes in 1/e, or only to some of the methods (e.g. objection to sending by fax or email etc.). In case of a general objection then you will not be contacted personally, telephonically or by email in relation to the promotional activities and initiatives proposed by the company.

Notice pursuant to art. 13 of D. Lgs. no. 196/2003

Avec and Fondazione Internazionale Menarini, as data controllers, informs you that any personal data you provide, or any data lawfully received by third parties, will be used in connection to your participation to the Congress and/or to provide you with information regarding any other compatible activities organized by us. Your image, taken during the event, may be reproduced in videos and photos of the event and published on the website and social networks of Fondazione Internazionale Menarini (and on the website and social networks of the event, if any) Data treatment shall mean any operation, or set of operations, carried out with or without the help of electronic or automated means, and must guarantee the confidentiality and security of your personal data.

Avec and Fondazione Internazionale Menarini, as data controllers may avail itself, to carry out any of the following procedures: press releases, communications to clients, data processing and computer-based consultation. The data can be communicated to scientific associations, public or private agencies related to CME, financial and banking intermediaries, as well as companies participating to the event with promotional functions compatible with the purposes for which the data have been collected.

The provision of your personal data for purposes related to your participation to the congress, including the publishing of images, is obligatory, but refusal will prevent your participation to the congress. Otherwise, said provision aimed at sending free documentation for other initiatives of Fondazione Internazionale Menarini or Avec is optional, but refusal will not allow you to be informed on future training events conducted by us.

You have the right in any moment to access, correct, integrate, refuse the treatment pursuant to section 7 of the Legislative Decree no. 196 of 30 June 2003 addressing any requests to: AVEC Via Lavoratori Autobianchi 1 20832 Desio (MB) or to Fondazione Menarini Centro Direzionale Milanofiori 20089 Rozzano (MI) Edificio L - Strada 6

I have read the above data protection notice and I agree with its terms.

Date: \_\_\_\_\_

Signature for acceptance \_\_\_\_\_



**Fondazione Internazionale Menarini**  
*Symphosia n.326*