

## **Sudden Cardiac Death – Pharmacotherapy.**

**Aim and content:** The congress is intended to serve as a forum for state-of-the-art science dealing with all aspects of sudden cardiac death - i.e. sudden death from arrhythmia, heart failure, ischemic heart disease. Clinical, pharmacological, epidemiological as well as basic and molecular research within the field of cardiology will be featured. Special focus will be given to the benefits as well as the risks associated with cardiovascular pharmacotherapy - Also special focus will be given to implantable defibrillators and their use with or without antiarrhythmics. Moreover, genetics and its role in identifying persons at risk of sudden cardiac will be a target focus for the conference.

**Participants.** Clinicians, Scientists and PhD-students.

**Language.** English.

**Form.** The scientific program will consist of invited lectures, oral presentations and posters. Invited lectures will feature themes as: Sudden unexpected cardiac death - magnitude of the problem, Sudden expected cardiac death - is it a problem?, Prevention of sudden cardiac death by drugs and devices, Proarrhythmia, Risk of sudden cardiac death as a drug-stopper for new drugs, Genemapping in the prevention of sudden cardiac death etc. In addition there will be numerous possibilities for oral and poster presentations based on submitted abstracts. Accepted abstracts will be published in *Fundamental and Clinical Pharmacology*. Special focus will be given to posters. Thus, they will be chaired and posterpresenters will be asked to present their poster orally to the chairmen. Poster Award Competition and Young Investigators Award. For details see [www.suddendeath.dk](http://www.suddendeath.dk)

**ECTS-credits:** 2 points

**Course director.** Keld Kjeldsen, MD, DMSc, Laboratory for Molecular Cardiology, The Heart Centre, Rigshospitalet, University of Copenhagen, Denmark. [Kjeldsen@rh.dk](mailto:Kjeldsen@rh.dk)

**Teachers.** International capacities and local specialists. The conference is a collaboration between European Society of Cardiology (ESC) Working Group (WG) on Cardiovascular Pharmacology & Drug Therapy, The International Academy of Cardiovascular Sciences (IACS) – 3<sup>rd</sup> IACS World Conference -, ESC European Heart Rhythm Association, ESC Council on Basic Cardiovascular Sciences, Danish Society of Cardiology, The Danish National Research Foundation Centre for Cardiac Arrhythmia, Danish Cardiovascular Research Academy, Rigshospitalet and Copenhagen University.

**Dates:** 18-19 June 2009.

**Place.** The Panum Institute, Blegdamsvej 3 B, 2200 Copenhagen N, Denmark.

**Fee.** DKK 3.000. Free for Danish PhD-students

**Course secretary.** Keld Kjeldsen. [Kjeldsen@rh.dk](mailto:Kjeldsen@rh.dk)

**Registration:** Before 1. May 2009 with abstract for poster presentation. Before 1. June 2009 without abstract for poster presentation.

No admission after deadline. Admission for Ph.D. students will be allocated on a first-come, first-served basis. Applications from external participants will be considered after the closing date. The application must be sent to: PhD Administration, Blegdamsvej 3B, DK-2200 Copenhagen N.

## **SUDDEN CARDIAC DEATH - CARDIOVASCULAR THERAPY**

**June 18-19, 2009,  
Panum Institute, Blegdamsvej 3B, 2200 Copenhagen N, Denmark  
Auditorium: Lundsgaard**

**European Society of Cardiology (ESC) Working Group on Cardiovascular Pharmacology and Drug Therapy, Copenhagen Graduate School of Health Sciences  
& Danish Cardiovascular Research Academy**

### **Scientific program**

#### **Thursday June 18, 2009:**

##### **Opening of Conference**

- 12.00-12.15 Welcome to Copenhagen. President of conference, Stig Haunsø, Copenhagen, Denmark.
- 12.05-12.10 Welcome to the Meeting of ESC Working Group on Cardiovascular Pharmacology and Drug Therapy. Chairman of conference, Past Chairman of ESC Working Group on Cardiovascular Pharmacology and Drug Therapy Dan Atar, Oslo, Norway.
- 12.10-12.15 Welcome to the scientific program. Chairman of conference, treasurer of ESC Working Group on Cardiovascular Pharmacology and Drug Therapy, Keld Kjeldsen, Copenhagen, Denmark.

##### **Symposium 1:**

##### **Sudden cardiac death prevention: beyond the defibrillator.**

- A symposium co-organised with European Heart Rhythm Association.

Chairmen: Panos Vardas, Heraklion, Greece and Jesper Hastrup Svendsen, Copenhagen, Denmark.

- 12.15-12.35 The sudden cardiac death epidemic: European and world perspectives, role of guidelines.  
Panos Vardas, Heraklion, Greece.
- 12.35-12.55 Teaching the medical profession to identify and treat patients at risk.  
Carina Blomstrom-Lundqvist, Uppsala, Sweden.
- 12.55-13.15 Role of devices and anti arrhythmic drugs in patients at risk of sudden death.  
Giuseppe Boriani, Bologna, Italy.
- 13.15-13.35 Channelopathies: Tailored medicine based on the underlying disease.  
Eric Sculze-Bahr, Munster, Germany.
- 13.35-13.55 Mechanisms of hypokalemia induced ventricular arrhythmogenicity.  
Oleg Osadchii, Copenhagen, Denmark.
  
- 14.30-15.50 **Young Investigators Award Lectures based on submitted abstracts.**

- A symposium co-organised by European Society of Cardiology Council on Basic Cardiovascular Science

Chairmen: Keld Kjeldsen, Copenhagen, Denmark, Dan Atar, Oslo, Norway, Naranjan Dhalla, Winnipeg, Canada, Helge Rasmussen, Sydney, Australia, Paolo Dinardo, Rome, Italy.

**Posters.**

**Exhibitions.**

**Coffee.**

### **Symposium 2:**

#### **Induction and prevention of sudden cardiac death by pharmacotherapy.**

- A symposium by European Society of Cardiology Working Group on Cardiovascular Pharmacology and Drug Therapy.

Chairmen: Faiez Zannad, Dommartin-Les-Toul, France and Dan Atar, Oslo, Norway.

16.00-16.20 Heart failure drugs and sudden cardiac death.

Faiez Zannad, Dommartin-Les-Toul, France.

16.20-16.40 The QT-interval and safety of drugs.

Jørgen Kanters, Copenhagen, Denmark.

16.40-17.00 Hormonal and pharmacological modification of potassium homeostasis.

Torben Clausen, Aarhus, Denmark.

17.00-17.20 Anti-inflammatory drugs and sudden cardiac death.

Frank Ruschizka, Zurich, Switzerland.

17.20-17.40 Sudden death in athletes.

Eva Prescott, Copenhagen, Denmark.

17.40-18.00 Potassium handling during exercise.

Michael McKenna, Melbourne, Australia.

18.00 **Announcement of winners of Young Investigators Award**

20.00 **Tivoli Gardens**

### **Friday 19. June, 2009:**

#### **Symposium 3:**

##### **Hypertrophy and sudden cardiac death.**

Chairmen: Perry Elliott, London, UK and Henning Bundgaard, Copenhagen, Denmark

- A symposium co-organised by Rigshospitalets Centre for Inherited Cardiac Diseases.

- 09.30-09.50 Risk stratification and role of genetics.  
Perry Elliott, London, UK..
- 09.50-10.10 Hypertrophic cardiomyopathy in childhood.  
Ingegerd Ostman-Schmidt, Gothenburg, Sweden.
- 10.10-10.30 Hypertrophy and failure - the crucial role of the Na-pump.  
Helge Rasmussen, Sydney, Australia.
- 10.30-10.50 Regression of hypertrophy and sudden cardiac death risk.  
Kristian Wachtell, Copenhagen, Denmark.
- 10.50-11.10 Prevention of myocardial damage in hypertrophy by omega 3 fatty acids.  
Paolo Di Nardo, Rome, Italy.
- 11.10-11.30 Strategy for clinical evaluation and screening of sudden cardiac death relatives.  
Henning Bundgaard, Copenhagen, Denmark.

11.30-13.00

### **Moderated posters.**

Chairmen: Groupe 1: Kurt Stoschitzky, Vienna, Austria and Tanja Ravingerova, Bratislava, Slovak Republic. Group 2: Steen Pehrson, Copenhagen, Denmark and Grant Pierce, Winnipeg, Canada. Group 3: Michael McKenna, Melbourne, Australia and Dennis B. McNamara, New Orleans, USA.

### **Exhibitions.**

### **Lunch.**

### **Symposium 4:**

#### **Sudden cardiac death in clinical practice.**

- A symposium co-organised by Danish Society of Cardiology

Chairmen: Stig Haunsø, Copenhagen, Denmark and Hans Erik Bøtker, Aarhus, Denmark

- 13.00-13.20 Sudden cardiac death in ischemic heart disease.  
Kristian Thygesen, Aarhus, Denmark.
- 13.20-13.40 Sudden cardiac death in heart failure.  
Lars Køber, Copenhagen, Denmark.
- 13.40-14.00 The prognostic importance of the ST-segment.  
Egon Toft, Ålborg, Denmark
- 14.00-14.20 Resuscitation after cardiac arrest - general management of survivors.  
Kjetil Sunde, Oslo, Norway.
- 14.20-14.40 Implantable devices - Achieve maximum safety at implant.  
Mark Kroll, St. Paul, US.
- 14.40-15.00 Inappropriate therapy in patients with defibrillators.  
Joerg Schwab, Bonn, Germany

### **Conference is closed.**