

MONACO USA

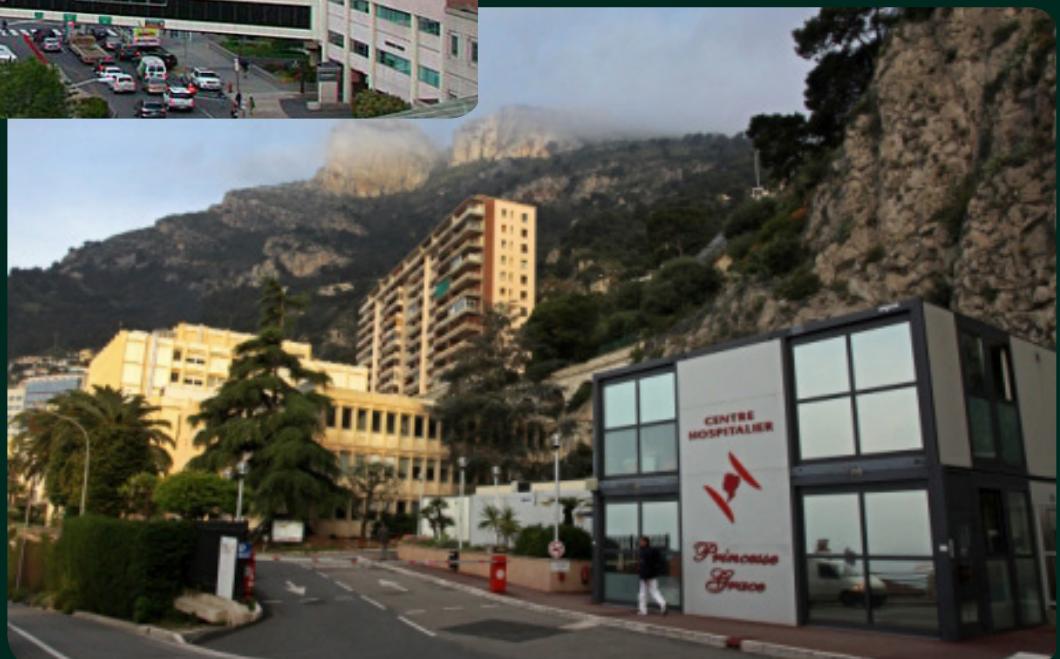
ARRHYTHMIA COURSE

2014



Princess Grace Hospital

UPENN Cardio centre



MONACO USA AR

UNDER THE HIGH PATRONAGE OF HIS SERENE HIGHNESS PRINCE ALBERT II

Honorary advisory board: Danny Hill
Chris Le Vine
Mike Powers
John Hargreaves

Professional associates: Mathieu Liberatore - President of the College of Medicine, Monaco
Larry Jameson - Executive Vice President, University of Pennsylvania for the Health System; Dean, Raymond and Ruth Perelman School of Medicine University of Pennsylvania



Pr. N. Saoudi

Professor of Cardiology and Head of the Cardiology Unit at the Princess Grace Medical Centre in Monaco. Former President of the French Arrhythmia Group of the French Cardiology Society, and other international cardiology associations.



Pr. F. Marchlinski

Professor of Medicine and the Director of Electrophysiology at the University of Pennsylvania Health Care System.



Pr. J. Almendral

Director of the Cardiac Electrophysiology Unit, Grupo Hospital Madrid, and Associate Professor, University CEU San Pablo, Madrid



Dr. S. Ernst

Director of electrocardiology, research and lead electrophysiologist at the Royal Brompton & Harefield NHS Trust. Honorary and senior lecturer at the Heart and Lung Institute.



Pr. H. Wellens

Emeritus Professor of Cardiology, Cardiovascular Research Institute Maastricht, The Netherlands



Pr. J. Jalife

Professor of Internal Medicine and The Cyrus and Jane Farrehi Professor of Cardiovascular Research, Professor of Molecular & Integrative Physiology, Co-Director, Center for Arrhythmia Research, University of Michigan, Ann Arbor,



Pr. Y. Iesaka

President of Tsuchiura Kyodo General Hospital. Clinical Professor of Cardiology & Internal Medicine, Department of Medicine, Tokyo Medical & Dental University. Clinical Professor of Internal Medicine, Department of Medicine, University of Tsukuba.



Pr. D. Callans

Professor of medicine and Associate Director of Cardiac Electrophysiology, at the University of Pennsylvania Health Care System.



RRHYTHMIA COURSE

This course is jointly organised by the Princess Grace Hospital of Monaco and the University of Pennsylvania. Lectures will take place at the Monte Carlo Bay Hotel conference centre, and a live case demonstration will be studied at the hospital itself. Talks are followed by relevant case studies with question & answer sessions after each segment to ascertain knowledge acquisition. The target audience of 60 carefully selected and highly specialized fellows will be based on their degree of commitment to cardiac electrophysiology. This relatively small number allows the classes to remain personalised thus encouraging interactivity in an informal and relaxed atmosphere. In 2014, distinguished guest speakers Pr. Michael Parmacek, Pr. Jose Jalife and Pr. Hein Wellens will be added to the present world renowned faculty comprising of Pr Francis Marchlinski, Pr Jesus Almendral, Dr Sabine Ernst and Pr Nadir Saoudi. With the attendance of such esteemed mentors the previous Monaco USA Arrhythmia Course obtained the exceptional feedback result of 100% satisfaction for scientific content, faculty and presentation quality. The course has received the endorsement of several prestigious international societies such as the "European Heart Rhythm Association", a registered branch of the "European Society of Cardiology" and the "Société Française de Cardiologie". It has also been awarded the very illustrious High Patronage of His Serene Highness Prince Albert II of



Monaco, demonstrating the commitment of a country to this perennial event in a very unique learning environment.

Ultimately these exceptional factors confirm this course as an important stage in the curriculum of cardiologists and electrophysiologists wishing to progress in this domain.

The Princess Grace Hospital's Cardiological Unit is equipped with the latest in mapping and robotic navigation by Stereotaxis. The installation of this very advanced equipment is thanks to the constant support of His Serene Highness Prince Albert II and donations from several very generous people such as Mr Danny Hill and Mr John Hargreaves. This avant-garde technology has rendered the movement of three different catheters inside the heart fully automatic, hence significantly improving the accuracy and safety of ablation. This state of the art equipment will be used during the next Monaco USA Arrhythmia Course in March. Currently the cardiology unit is negotiating the upgrade of its present mapping system, the ... by Boston Scientific. This pioneering system will allow the team to map the various chambers of the heart faster and much more accurately thus improving visibility and consequently ablation precision. It also reduces procedure time and subsequently exposure time for the



This course is in addition to the standard academic training programs in electrophysiology. The aim is to focus on complex, forgotten or rarely taught concepts of the arrhythmia mechanisms. Training takes place in a relaxed atmosphere, with all four organisers and guest speakers present throughout the duration of the course. The course objectives are:

- To understand the experimental basis of ventricular and supra ventricular arrhythmia ablation
- To understand the embryological basis of ventricular and supra ventricular arrhythmia substrate development
- To understand the normal and abnormal anatomy for the electrophysiologist.
- To use and understand various types of electrogram recordings.
- To identify and discuss the ECG aspect of complex ventricular and supra ventricular arrhythmia
- To design the various ablation approaches of ventricular and supra ventricular arrhythmia

The target audience consists of fellows in electrophysiology training, young electrophysiologists after fellowship and cardiologist with a strong interest in electrophysiology. There will be a maximum of 60 attendees, this will allow for better interaction and communication, thus improving participation and skill acquisition.

The lessons will be comprised of 30 minute teaching lectures where characteristic illustrations will be shown by the faculty on various topics and demonstrating state of the art arrhythmia procedures. These lectures will be followed by clinical case discussions of 5 to 6 cases per session. To stimulate interaction within the group there will be thought provoking comments and observations throughout the debate. Thereafter, multiple choice questions will be asked and answered using the latest remote computerised answering system. The faculty and the organisers will select appropriate candidates for the course. Visits to the cardiology unit have been organised along with a live case, however the lectures and case studies will take place in the conference centre of the Monte Carlo Bay Hotel.



THURSDAY 20TH MARCH

Live case: At the Princess Grace Hospital with live cases from CHPG and UPENN
Sponsor: Biosense Webster hands on training
Y. Iesaka: Chairperson of the exceptional and unusual cases presented by faculty

S. Ernst: Arrhythmia mapping and ablation in congenital heart disease
Topical case studies

S. Ernst S. Ben-Haim: Spectrum dynamics symposium

FRIDAY 21ST MARCH

F. Marchlinski: VT ablation in NICM : Lessons learned and optimizing results
Topical case studies
N. Saoudi : Focal atrial tachycardia: Latest on mapping and ablation
Topical case studies
J. Jalife: Rotors in human atrial fibrillation...The next frontier
J. Almendral: Mapping and ablation based on arrhythmia mechanisms in the clinical EP lab

H. Wellens: The intra-ventricular conduction and its disturbances
Topical case studies
N. Saoudi: Team
Miscellaneous case studies

Evaluation & conclusion



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