EHRA
European Heart
Rhythm Association

EHRA 2023 Simulation Village Programme

16 - 18 April 2023 – Barcelona, Spain

August 2022

Contents

The Project

This project aims at proposing a simulation journey across specific disease treatment to EHRA 2023 delegates, in the form of intimate practical and interactive sessions lead by an EHRA Faculty in collaboration with companies' simulators and technicians.

This learning pathway for participants will provide a practical overview on the basic interventional diseases management, with a focus on Syncope, Sudden Cardiac Death, and Atrial Fibrillation.

This synergy between companies and EHRA, providing from one side the best technological tools that are specifically developed for different kinds of intervention, and from another, the best in terms of teaching and proctoring, should pave the way for an innovative education programme for delegates.

Project Objectives

Simulation is currently developed in most of teaching programmes. It forms the basis for the "Proficiency Based Progression" (PBP) training.

Because the treatment of cardiac arrhythmias is currently mostly interventional, with a high number and diversity of cardiac interventions, it is of utmost importance for EHRA to implement this methodology in order to provide access to modern educational programmes.

This is also an opportunity for EHRA to demonstrate once again its strong commitment in favour of education, using the newest tools and methods, with an outstanding teaching quality thanks to the most experienced Faculty in the field.

The Simulation Village will give EHRA 2023 delegates a unique opportunity to practice and to better understand this new paradigm, and to experience an initiation to these methods. In other words, this project aims to take the attendees to a "Step 1" of the simulation journey and PBP training.

It is also a great opportunity for participants to interact with their peers (Faculty, Fellows, Companies etc.).

Scientific Programme and Learning Objectives

The scientific programme will be based on three basic interventional diseases management journeys.

Note that the programme will be adapted according to the sponsors involved in the project.

Journey 1: Cardiac implantable devices CIEDs (GREEN Path in the Preliminary Scientific Programme grid here)

1. Pacemaker and ICD implantation (2 working stations)
   - Understand the radiological heart anatomy
   - Learn how to implant an atrial lead with the help of a simulator
   - Learn how to implant a ventricular lead with the help of a simulator
2. CRT implantation (2 working stations)
   - Understand the radiological heart anatomy
   - Learn how to implant an atrial lead with the help of a simulator
   - Learn how to implant a ventricular lead with the help of a simulator
3. Leadless implantation (1 working station)
   - Understand the radiological heart anatomy

- Learn how to use the 25 French femoral sheath in order to provide access for LLPM
- Learn how to implant a LLPM with the help of a simulator

Journey 2: Emergency (RED Path in the Preliminary Scientific Programme grid here)

1. Reanimation (WCD…) (1 working station)
   - Understand the importance of preventing sudden cardiac death in particular groups of patients
   - Understand how works the Wearable Cardiac Defibrillator (WCD)
   - Learn how to place and use the WCD when indicated, with the help of a simulator
2. Complications management (pericardial effusion, tamponade…) (1 working station)
   - Learn how to prepare an "emergency kit" in your EP Lab
   - Learn how to detect without delay a pericardial effusion
   - Learn how to perform safely a pericardial drainage, with the help of a simulator
3. Complications management (lead extractions…) (1 working station)
   - Learn how to prepare safely the patient before starting a lead extraction
   - Understand the radiological heart anatomy
   - Learn how to extract an endovascular lead thanks to a powered sheath, with the help of a simulator

Journey 3: Atrial Fibrillation (BLUE Path in the Preliminary Scientific Programme grid here)

1. Echo venous puncture (1 or 2 working stations)
   - Understand the groin anatomy
   - Identification of groin vessels thanks to an echo probe
   - Learn how to safely perform a femoral puncture under echo guidance
2. Transeptal puncture (2 working stations)
   - Understand the radiological heart anatomy
   - Learn how to use the transeptal sheath in order to provide access to the left atrium
   - Learn how to perform a transeptal puncture with the help of a simulator
3. Cryoballoon ablation (2 working stations)
   - Understand the radiological heart anatomy
   - Learn how to prepare the cryoballoon before using it for pulmonary veins isolation (PVI)
   - Learn how to perform a PVI with a cryoballoon, with the help of a simulator
4. 3D mapping (2 working stations)
   - Understand the 3-D heart anatomy
   - Understand and analyse different types of maps
   - Learn how to perform a PVI with a 3-D mapping system, with the help of a simulator
5. Anatomical image integration (CT, MRI…) (2 working stations)
   - Understand the 3-D heart anatomy
   - Understand how to use an image integration working station
   - Learn how to perform a PVI using an anatomical image integration system, with the help of a simulator
6. Left appendage closure (2 working stations)
   - Understand the radiological heart anatomy
   - Learn how to use the transeptal sheath in order to provide access to the left atrium
   - Learn how to perform a left appendage closure with the help of a simulator

Governance

This programme is organised by the European Heart Rhythm Association (EHRA), a branch of the European Society of Cardiology (ESC) and the EHRA 2023 Scientific Programme Committee.

Target Audience

The Simulation Village will be accessible to EHRA 2023 registered delegates. The total estimated number of participants over the 3 days is 500 participants.

The Simulation Village is positioned as an educational and "basic level" training programme, targeting mainly young EPs and in training health care professionals. It could be even considered as an "initiation" to Practical Tutorials, which are more expert / advanced practical sessions. The offer is therefore complementary to the existing Practical Tutorials that are more advanced.

Methodology

The programme will be held over 3 days and composed of 60-minute workshops on different topics.

Course directors: Andrea Sarkozy and Serge Boveda
Course co-directors: Jan Stefeel and Tom de Potter

Schedule

Details on how the Simulation Village will be developed and delivered:

- July 2022: Scientific Programme available
- Orders/Applications on a first come, first served policy
- 16 February 2023: French Authorities submission deadline (ARS)*
- 16 – 18 April 2023: EHRA 2023
- May 2023: Post-event report

The opening date of Registration and the application deadline will be determined shortly.

**On October 1, 2020, new applications of French Anti-Gift regime came into effect. The new framework governs transfers of value to healthcare professional organisations by pharmaceutical, medical device, diagnostic and other healthcare companies. As a healthcare organisation based in France, this regime applies to the interaction between the ESC and our healthcare industry partners. The ESC is working in full respect of this regime and provides you with the necessary documents on the website ESCexhibition.org to facilitate your procedures with the French authorities. Should you need further support, please contact industry@escardio.org*

Deliverables

The programme will be held over 3 days and composed of 60-minute workshops on different topics. The Simulation Village will be part of the Scientific Programme of EHRA 2023 and will be a benefit included in the delegate registration of EHRA 2023.

A pre-registration process will be put in place for this specific activity at the time of the registration to the congress, delegates will have to choose the topic of the workshop they would like to attend. Delegates will be asked to choose one workshop of 60 minutes per day (with a maximum of 3 workshops per person over the 3 congress days). Pre-registration will be mandatory but last-minute onsite registration will be accepted in cased of cancellations.

A dedicated and central area will be dedicated to this activity within the congress. The Simulation Village will host different working stations, each working station being composed of one simulator, led by a Faculty and a technician, and will welcome a maximum number of 3 delegates.

Promotion - Communication Plan

The Simulation Village will be included in the EHRA congress communications as part of the other congress activities. More information will be given at a later stage.

Financials

Please see below an estimation of costs based on 19 sessions/workshops:

Items	Quantity	Unit Price	Total in € excl. VAT
Rooms (Incl. Welcome area, furniture, signage and electricity costs)	19	€ 10,500.00	€ 199,500
Audio visual equipment (Screens)	19	€ 800.00	€ 15,200
Hostesses (25 hours per hostess for 3 days)	550	€ 20.00	€ 11,000
Faculty* (Travel € 600, Hotels 3 nights € 750 (€ 250 per night based on a 4* hotel around the venue))	100	€ 1,350.00	€ 135,000
Management fees (20%)			**€ 72,140**
TOTAL cost			**€ 432,840.00**

Note that according to the final sponsorship obtained, the programme might be adapted. There is no minimum number of sponsors required, however at least 7 workstations must be put in place for the Simulation Village programme to be delivered.

* Excluding French Faculty costs.

Sponsorship Period & Model

Multi-sponsorship is expected to support EHRA in its effort to produce a scientific educational programme, the Simulation Village part of the EHRA 2023 Scientific Programme.

A total of € 432,840 is required to cover expenses and deliver this programme (see Financials breakdown above for more details). In addition, 19 workstations and technicians are required for this programme (3 participants per workstation).

Sponsors are kindly requested to support the programme as follows:

Sponsorship price of €22,000 excluding VAT in addition to 1 simulator and 1 technician per working station provided by sponsor for the full duration of the congress (3 days).

Sponsorship Benefits

- Sponsor can suggest the topic / journey they would like to be part of. The EHRA 2023 Scientific Programme Committee will review each request, validate, and determine the Simulation Village Scientific Programme
- Logo & acknowledgement on the programme as follows (name of the sponsors will be listed by alphabetic order): “This programme is supported by xxx & xxx ... in the form of educational grants. The scientific programme has not been influenced in any way by its sponsors.”
- Official recognition on the congress promotion related to this activity / programme
- Onsite branding visibility - Logo & acknowledgement on welcome area and on screens within the Simulation Village during the congress
- Acknowledgement on introduction and conclusion slides of the sponsored workshop
- Key participants statistics and profile of participants participating in the Simulation Village (Country, Age, Gender, Primary Specialty, Profession) will be provided in a post-event report sent to sponsors within a month after the congress
- 2 seats per sponsor will be reserved if sponsors wish to register industry representatives
- 1 accrued point per €2,500 for EHRA 2023 Congress

Additional documents (annex/appendix)

- **Preliminary Scientific Programme grid:** ***EHRA 2023 - Simulation Village Preliminary grid - July 2022 (Excel document)***