



Advanced Management of the CRT Patient

This course provides you with the ability to better manage your HF patients through improved performance of complex implantation and follow up.

Is this course for me?

Yes, if you are an experienced EP or clinical physician working closely with EP, already trained on CRT, and have performed over 30 implants and 60 follow up.

You should also have good knowledge of

- * Current guidelines, treatment methods and limitations
- * Basic mechanisms and research results
- * Implanting and complex follow-up procedures

What topics are covered in this course?

- * Patient selection and critical guidelines interpretation
- * "Borderline patients" management
- * Challenging implant and Follow-up cases
- * CRT response, definition and measurement
- * Therapy optimization, during and after implantation

These topics will be taught through practical hands-on sessions and interactive skills-development training with Virtual Reality Simulator Systems. As a result, you will be better equipped to manage your HF patients with CRT in complex clinical situations.

Faculty **Dr. A. Chow**, United Kingdom
Dr. E. Holman, The Netherlands
Dr. M. Meine, The Netherlands
Dr. O. Segal, United Kingdom

Length of course 2-day course
 Participants should arrive the evening before and schedule departure after 5 pm on the last day of the course

Dates March 7-8 2011 September 21-22 2011
 May 25-26 2011 November 30-December 1 2011

Language English

Accreditation English courses are submitted for accreditation

Registration Fee 2300 euros. This fee includes lunch and beverages

Travel & accommodation When participation in a course has been confirmed, we will give you specific information concerning travel and accommodation to organize your trip

Cardiac Rhythm Management

Implantable device therapies for the treatment of cardiac rhythm disorders have, by their very nature, a level of technical complexity that presents particular challenges for medical education programmes. As more patients have come to benefit from these technologies, so the importance of therapy-oriented training has increased for the continued improvement of patient care.

In recent years, many important clinical trials have been completed and have provided new data which mandates implantable device therapy for a much wider range of patients, who can now benefit from these therapies. To stay at the forefront of this field, it is imperative to regularly update our knowledge and skills. At the Institute, you will be trained on the latest technology in the field of implantable device therapy through a uniquely valuable learning experience, acquiring a skill and knowledge base which can easily be transferred from our classroom to your clinical practice.

Depending on your level of experience, the Institute offers you different levels of CME-accredited programmes to meet your specific needs. While the basic courses aim to provide the practical competence to support device implantation and follow-up, the advanced courses provide you with the skills necessary for the management of complex clinical scenarios with advanced techniques. The series of programmes that follow offer you the opportunity to learn from our highly-experienced faculty team, well-placed to extend your skills in the CRM field.

	January	February	March	April	May	June	July	August	September	October	November	December
Bradycardia Features in Devices for Cardiac Rhythm Management		21-23				20-22					28-30	
Preparation for International Certification Exam IBHRE			7-9									
Brady Troubleshooting				11								12
Tachy Troubleshooting				12								13
Basic Management of the ICD Patient		14-15			16-17						21-22	
Advanced Management of the ICD Patient			2-3			8-9				19-20		
Heart Failure and Cardiac Resynchronization Therapy		10-11			19-20						24-25	
Advanced Management of the CRT Patient			7-8		25-26				21-22		30	> 1
CRM Technical Device Training		16			18						23	

A Continuing Education Initiative funded by **Boston Scientific**



Advanced Management of the ICD Patient

This course provides you with the ability to better manage your patients through improved performance of complex follow-up and improved programming of devices.

Is this course for me?

Yes, if you are an EP or clinical physician working closely with EP and have performed over 30 ICD implants.

You should also have good knowledge of

- * Programming devices (>100 follow-up with clinical events performed)
- * Algorithms
- * Main studies' outcomes, but only partially put into practice

What topics are covered in this course?

- * Latest clinical trials and their clinical implications: ACC/AHA – HRS – European Guidelines
- * Advanced programming of ICD
- * Combined Therapy for complex patients: pharmacological, ICD and ablation
- * Cost-benefit analysis of ICD Therapy today
- * Complex troubleshooting
- * Case Report Discussions

These topics will be taught through practical, hands-on sessions and interactive skills-development training with cardiac simulators and programmers. As a result, you will be better-equipped to manage your patients with ICDs in complex clinical situations.

Faculty
Dr. M. Biffi, Italy
Dr. D. Cavaco, Portugal
Dr. M. M. Oliveira, Portugal
Dr. A. Schaumann, Germany

Length of course 2-day course
 Participants should arrive the evening before and schedule departure after 5 pm on the last day of the course

Dates
 March 2-3 2011
 June 8-9 2011
 October 19-20 2011

Language English

Accreditation English courses are submitted for accreditation

Registration Fee 1750 euros. This fee includes lunch and beverages

Travel & accommodation When participation in a course has been confirmed, we will give you specific information concerning travel and accommodation to organize your trip

Cardiac Rhythm Management

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CRM Technical Device Training		16			18						23	

A Continuing Education Initiative funded by **Boston Scientific**



Basic Management of the ICD Patient

This course provides you with the ability to better screen and select your patients, as well as better select the right device for the right patient.

Is this course for me?

Yes, if you are an EP or clinical physician working closely with EP and have performed less than 30 ICD implants.

You should also have some knowledge of:

- * Programming devices (<100 follow-up with clinical events performed)
- * Main studies' outcomes

What topics are covered in this course?

- * Latest clinical trials and their clinical implications: ACC/AHA – HRS – European Guidelines
- * Patient selection guidance: which patients and how to screen them
- * Classification and treatment of tachyarrhythmias
- * Device selection: single-, dual-chamber or biventricular device
- * Patient concerns: lifestyle with ICD, inappropriate treatment
- * Hospital concerns: cost-efficiency in ICD therapy
- * ICD algorithms, EGM interpretation and follow-up of ICD patients

These topics will be taught through practical hands-on sessions and interactive skills-development training with cardiac simulators and programmers. As a result, you will be better-equipped to identify and follow up your high-risk sudden-death patients with ICD technology.

Faculty	Dr. G. Botto , Italy Dr. S. Harris , United Kingdom Dr. M. Kühne , Switzerland Dr. C. Sticherling , Switzerland Dr. D. Theuns , The Netherlands Dr. J. Vijgen , Belgium
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Length of course	2-day course Participants should arrive the evening before and schedule departure after 5 pm on the last day of the course
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Dates	February 14-15 2011 May 16-17 2011 November 21-22 2011
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Language	English
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Accreditation	English courses are submitted for accreditation
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Registration Fee	1750 euros. This fee includes lunch and beverages
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Travel & accommodation	When participation in a course has been confirmed, we will give you specific information concerning travel and accommodation to organise your trip
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Cardiac Rhythm Management

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Brady Troubleshooting

After taking this course you will be able to discriminate between appropriate and inappropriate behaviour of devices based on ECGs, EGMs and the available diagnostic information as well as decide on corrective action.

Is this course for me?

Yes, if you are a physician or an experienced associated professional who performs implant and follow-up procedures and you would like to increase your experience in the interpretation of applied Bradycardia features in pacemakers and ICD & CRT systems.

What topics are covered in this course?

- * Timing diagrams
 - Timing of modern Bradycardia pacemakers
 - Features having an impact on timing
- * ECG analysis
 - Practical cases
 - Abnormal behaviour: over- and under-sensing, capture and non-capture
 - Linking the ECG analysis to corrective action

These topics will be taught through practical sessions and interactive skills-development training with ECG and programmers examples. As a result, you will be better-equipped to interpret pacemaker timing cycles and to understand the pacing problems of your patient.

Faculty **Prof. R. Stroobandt**, Belgium
Dr. L. M. van Gelder, The Netherlands

Length of course 1-day course
 Participants should arrive the evening before and schedule departure after 5 pm on the last day of the course

Dates April 11 2011
 December 12 2011
 The dates of the Brady and Tachy Troubleshooting courses are aligned.
 Participants can register for both consecutive courses.

Language English

Accreditation English courses are submitted for accreditation

Registration Fee 1150 euros. This fee includes lunch and beverages

Travel & accommodation When participation in a course has been confirmed, we will give you specific information concerning travel and accommodation to organise your trip

Cardiac Rhythm Management

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CRM Technical Device Training		16			18						23	

A Continuing Education Initiative funded by **Boston Scientific**



Bradycardia Features in Devices for Cardiac Rhythm Management

This course provides you with an in-depth understanding of the application, adjustment and clinical impact of the Bradycardia features in Cardiac Rhythm Management (CRM) devices. After taking this course, you will be able to link these aspects to patient and clinician benefits.

Is this course for me?

Yes, if you are a physician performing standard implant and follow-up procedures and would like to extend your experience to the practical implementation of Bradycardia features. You should have at least one year of experience in the follow-up of patients with pacemakers, ICD or CRT devices.

What topics are covered in this course?

- * Bradycardia features of medical devices
- * Timing cycles for single- and dual-chamber devices
- * Sensors and sensor blending in Bradycardia pacemakers
- * Atrial tachy-arrhythmia response management
- * Special features: VRR, APP, SBR
- * ECG analysis with cardiac simulators and programmers
- * System diagnostics
- * Follow-up procedures
- * Linking features to patient and clinician benefits

These topics will be taught through practical, hands-on sessions and skills-development training with cardiac simulators and programmers. As a result, you will be able to link the Bradycardia features in CRM devices to patient benefits.

Faculty **Dr. C. Kennergren**, Sweden
Dr. F. Provenier, Belgium
Dr. V. Vancura, Czech Republic

Length of course 3-day course
 Participants should arrive the evening before and schedule departure after 4 pm on the last day of the course

Dates February 21-23 2011
 June 20-22 2011
 November 28-30 2011

Language English

Accreditation English courses are submitted for accreditation

Registration Fee 1750 euros. This fee includes lunch and beverages

Travel & accommodation When participation in a course has been confirmed, we will give you specific information concerning travel and accommodation to organise your trip

Cardiac Rhythm Management

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CRM Technical Device Training		16			18						23	

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CRM Technical Device Training

This course provides you with an in-depth understanding of the essential technical solutions provided by implantable Cardiac Rhythm Management Tachy devices. After taking this course, you will be able to link these aspects to patient and clinician benefits.

Is this course for me?

Yes, if you are a physician or an experienced associated professional and have performed implant and follow-up procedures on ICD or CRT-D devices and you would like to improve your understanding of device technical features and functionalities.

What topics are covered in this course?

- * Sensing and detection enhancements: clinical needs and technical implementation
- * Case analysis and interactive discussion
- * Electrical therapies: ATP and shocks
- * Device interfaces: how to optimise programming sessions
- * Clinical case discussions

These topics will be taught through practical sessions and interactive skills-development training with ECG, technical and programming examples. As a result, you will be better equipped to understand and interpret device behaviour.

Length of course	1-day course Participants should arrive the evening before and schedule departure after 5 pm on the last day of the course.
Dates	February 16 2011 May 18 2011 November 23 2011 The dates of the Tachy Basic courses are aligned. Participants can register for both consecutive courses.
Language	English
Accreditation	English courses are submitted for accreditation
Registration Fee	950 euros. This fee includes lunch and beverages
Travel & accommodation	When participation in a course has been confirmed, we will give you specific information concerning travel and accommodation to organise your trip

Cardiac Rhythm Management

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Advanced Management of the CRT Patient			7-8		25-26				21-22		30	> 1
CRM Technical Device Training		16			18						23	

A Continuing Education Initiative funded by **Boston Scientific**



Heart Failure and Cardiac Resynchronization Therapy

This course provides you with the ability to diagnose patients who will benefit from electric Cardiac Resynchronisation Therapy (CRT), and the mechanisms and current training methods to treat your Heart Failure patients with CRT.

In this course you will:

- * Identify patients who will benefit from CRT
- * Understand implant and FU procedures for CRT
- * Gain hands-on experience with implant techniques through skills-lab training (Virtual Reality and CathLab)

Is this course for me?

Yes, if you are an implanter or electrophysiologist with limited experience of CRT implants (maximum 10 treated cases)

What topics are covered in this course?

- * Heart Failure, current treatment methods and limitations
- * Patient selection
- * Resynchronisation therapy for Heart Failure:
 - Basic mechanisms
 - Research results
- * Implanting procedures:
 - Step-by-step procedures
 - Implant experience

These topics will be taught through practical hands-on sessions and interactive skills-development training with Virtual Reality and CathLab simulator systems. As a result, you will be better equipped to treat your Heart Failure patients.

Faculty **Dr. D. Gras**, France **Dr. A. Meijer**, The Netherlands **Dr. J. Waktare**, United Kingdom
Dr. B. Lamp, Germany **Dr. V. Vancura**, Czech Republic

Length of course 2-day course
 Participants should arrive the evening before and schedule departure after 5 pm on the last day of the course

Dates February 10-11 2011
 May 19-20 2011
 November 24-25 2011

Language English

Accreditation English courses are submitted for accreditation

Registration Fee 2300 euros. This fee includes lunch and beverages

Travel & accommodation When participation in a course has been confirmed, we will give you specific information concerning travel and accommodation to organise your trip

Cardiac Rhythm Management

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Preparation for International Certification Exam IBHRE

This course provides you with the ability to judge your current level of knowledge in the application and clinical use of Cardiac Rhythm Management devices and identify points of special attention required in the preparation for the International Board of Heart Rhythm Examiners (IBHRE) Exam.

Is this course for me?

Yes, if you are a physician or an associated professional who intends to participate in the IBHRE Exam. Participants are expected to have a broad knowledge of Basic and Applied science and technology as it applies to Cardiac Rhythm Management.

You should have at least two years of clinical and practical experience in implant and follow-up procedures, ICD and CRT systems.

You should be familiar with the material mentioned in the Suggested Reading listed on the IBHRE Exam site.

What topics are covered in this course?

- * Pacing indications and haemodynamics
- * Drug/Device interactions in patients
- * Advanced dual-chamber timing concepts
- * Electronic concepts in pacemakers and defibrillators
- * Electrophysiology
- * Treatment modalities for tachy-arrhythmia therapy
- * Pacing system evaluation
- * Tachy-arrhythmia system evaluation
- * Cardiac Resynchronisation Therapy system evaluation

Faculty **Dr T. de Potter**, Belgium
Dr. A. Schaumann, Germany
Dr. L. M. van Gelder, The Netherlands

Length of course 3-day course
 Participants should arrive the evening before and schedule departure after 5 pm on the last day of the course

Dates March 7-9 2011

Language English

Accreditation English courses are submitted for accreditation

Registration Fee 2300 euros. This fee includes lunch and beverages

Travel & accommodation When participation in a course has been confirmed, we will give you specific information concerning travel and accommodation to organise your trip

Cardiac Rhythm Management

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Tachy Troubleshooting

In this course you will develop a systematic approach to the interpretation of ECGs, EGMs and available diagnostic information and use this approach to verify appropriate behaviour of the Tachycardia system in ICD and CRT-D devices.

Is this course for me?

Yes, if you are a physician or an experienced associated professional who performs implant and follow-up procedures on ICD and CRT-D devices and you would like to increase your experience in the interpretation of Tachycardia episodes and ICD & CRT systems.

What topics are covered in this course?

- *ECG analysis – case reports
 - Practical cases
 - Appropriate and inappropriate device therapy and behaviour
- *Follow-up procedures
 - Standard follow-up procedures
 - Complications
 - Solutions
- *EGM analysis and programming optimisation
- *Linking EGM analysis to corrective action

These topics will be taught through practical sessions and interactive skills-development training with ECG and programming examples. As a result, you will be better-equipped to analyse device therapies and follow-up with your patients.

Faculty **Dr. A. Schaumann**, Germany
Dr. R. Verlato, Italy

Length of course 1-day course
 Participants should arrive the evening before and schedule departure after 4 pm on the last day of the course

Dates April 12 2011
 December 13 2011
 The dates of the Brady and Tachy Troubleshooting courses are aligned. Participants can register for both consecutive courses.

Language English

Accreditation English courses are submitted for accreditation

Registration Fee 1150 euros. This fee includes lunch and beverages

Travel & accommodation When participation in a course has been confirmed, we will give you specific information concerning travel and accommodation to organise your trip

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Depending on your level of experience, the Institute offers you different levels of CME-accredited programmes to meet your specific needs. While the basic courses aim to provide the practical competence to support device implantation and follow-up, the advanced courses provide you with the skills necessary for the management of complex clinical scenarios with advanced techniques. The series of programmes that follow offer you the opportunity to learn from our highly-experienced faculty team, well-placed to extend your skills in the CRM field.

	January	February	March	April	May	June	July	August	September	October	November	December
Bradycardia Features in Devices for Cardiac Rhythm Management		21-23				20-22					28-30	
Preparation for International Certification Exam IBHRE			7-9									
Brady Troubleshooting				11								12
Tachy Troubleshooting				12								13
Basic Management of the ICD Patient		14-15			16-17						21-22	
Advanced Management of the ICD Patient			2-3			8-9				19-20		
Heart Failure and Cardiac Resynchronization Therapy		10-11			19-20						24-25	
Advanced Management of the CRT Patient			7-8		25-26				21-22		30	> 1
CRM Technical Device Training		16			18						23	

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