

17

12-13
October
2023

Arrhythmias for
every Cardiologist

Sheraton Brussels Airport Hotel

BELGIAN HEART RHYTHM MEETING



BHRM
Belgian Heart Rhythm Meeting
www.bhrm.be



Including a Special Focus Session
on Tools to detect AF and prevent strokes

Word from the Programme Committee

Dear Colleagues, Dear Friends,

We are pleased to welcome you to the 17th edition of the Belgian Heart Rhythm Meeting taking place on Thursday 12th and Friday 13th October 2023 at the Sheraton Brussels Airport Hotel.

Each year, our renown scientific event gathers over 600 participants with the same aim: bringing together leading cardiologists, professors, doctors and interns to exchange and share experiences and research results on all aspects of clinical rhythmology.

The scientific programme, presented by a notable line-up of speakers, will focus on all fields of arrhythmias such as ablation, atrial fibrillation, anticoagulation, cryptogenic stroke, diagnostics in clinical practice, ECG cases and digital ECG screening, accidental AF, optical medical therapy, new pacing modalities, radioprotection, sick sinus syndrome, sudden cardiac death and ventricular arrhythmias.

We look forward to seeing you at the BHRM!

Yours Sincerely,



Dr. Ivan Blankoff



Dr. Marnix Goethals



Dr. Sébastien Knecht



Dr. Georges H. Mairesse



Dr. Hugo Van Herendael



Dr. Johan Vijgen

Accreditation

CME credit points are requested for cardiology and economics/ethics.
Accreditation is also requested for radioprotection.



FANC & AFCN

federaal agentschap voor nucleaire controle
agence fédérale de contrôle nucléaire

The Belgian Heart Rhythm Meeting aims at sharing expertise on the various diagnostic tools and therapeutic possibilities available to practitioners when deciding upon which approach best serves arrhythmic patients.

Wednesday, 11th October 2023

EVENING SESSIONS FOR YOUNG CARDIOLOGISTS, TRAINEES AND FELLOWS IN COLLABORATION WITH THE YOUNG CARDILOGISTS' CLUB

18:30 Dinner buffet

19:00 ECG course

FR session:

Dr. Antoine de Meester, Jolimont, BE

Prof. J-B Le Polain de Waroux, Bruges, BE

NL session:

Dr. Philippe Vanduynhoven, Sint-Amandsberg, BE

Dr. Ben Corteville, Ghent, BE

21:00 Dessert buffet



BeHRA

Belgian Heart Rhythm Association

Thursday, 12th October 2023

07:45 Welcome and Registration

08:25 Opening address
Dr. Johan Vijgen, Hasselt, BE

Session 1: Abstracts

> Chairs: Prof. René Tavernier, Bruges and Dr. Aurélien Wauters, Ottignies

08:30 Best abstracts presentation

08:35 Subcutaneous defibrillator related complications: follow-up in a real-life setting
Massaad, M.¹, Lepièce, C.², De Meester, A.², Boudouft, M.², Badot, D.¹.
¹UC Louvain
²Hôpital de Jolimont

08:46 Impact of diagnosis-to-ablation time on atrial fibrillation recurrence: most pronounced in the first 3 years, irrelevant thereafter Insights from the Middelheim-PVI Registries 1 and 2
De Greef, Y.¹, Bogaert, K.², Sofianos, D.³, Buysschaert, I.⁴.
¹ZN Antwerpen
²KU Leuven
³UZ Brussels
⁴AZS Aalst

08:57 Retrograde Coronary Venous Ethanol Ablation of Refractory Left Ventricular Summit Arrhythmias
Maarten De Smet¹, De Becker B¹, François C¹, Tavernier R¹, Duytschaever M¹, Knecht S¹, le Polain de Waroux JB¹
¹Cardiology department, AZ Sint-Jan Hospital, Bruges, Belgium

09:08 Impact of persistent AF ablation strategy on left atrial function assessed by Speckle Tracking Echocardiography
Lopez-Francois E.¹, Gilson, A.¹, Lepièce, C.¹, Marchandise, S.¹, Scavée, C.¹, Garnir, Q.¹, Varnavas, V.¹, Wauters, A.¹, De Meester, A.¹, Badot, D.¹, De Azavedo, D.¹.
Clinique Universitaire Saint-Luc, Brussels

09:19 Management and clinical outcome of septal complications during left bundle branch area pacing
Ozpak, E., Calle, S., Timmermans, F., Van Heuverswyn, F., De Pooter, J.
UZ Gent

Session 2: Clinical optimization

> **Chairs:** Prof. Dominique Blommaert, Yvoir and Dr. Van Herendael, Genk

- 09:30 Optimal medical therapy to avoid arrhythmias
Dr. Pieter Martens, Hasselt, BE

- 10:00 Subcutaneous ICD to reduce vascular complications
Prof. Christelle Marquié, Lille, FR

- 10:30 Coffee Break & Moderated posters session on Clinical Rythmology
> **Moderator:** Dr. Tim Boussy, Kortrijk

SPECIAL FOCUS SESSION IN COOPERATION WITH EHRA

Session 3: Tools to detect AF and prevent strokes

> **Chairs:** Dr. Georges H. Mairesse, Arlon and Dr. Johan Vijgen, Hasselt

- 11:00 What can we expect from systematic screening in special populations?
Prof. Emma Svennberg, Stockholm, SE

- 11:30 How to deal with cryptogenic stroke?
Prof. Maurizio Paciaroni, Perugia, IT

- 12:00 The EHRA practical guide on digital devices
Prof. Christophe Leclercq, Rennes, FR

- 12:30 How to deal with the atrial appendage when AF is the only indication?
Prof. Carlo de Asmundis, Brussels, BE

- 13:00 Lunch



A Registered Branch of the ESC

Session 4: When and how to anticoagulate AF patients? The remaining questions...

> **Chairs:** Prof. Rik Willems, Leuven and prof. Christophe Scavée, Brussels

14:15 Incidental AF

Prof. Andrea Götte, Paderborn, DE

14:45 Anticoagulation before and after ablation

Prof. Elena Arbelo, Barcelona, ES

15:15 The anti Xla new drugs

Prof. George Ntaios, Thessaly, GR

15:45 Coffee Break & Moderated posters session on Pacing and Devices

> **Moderator:** Dr. Aurélien Wauters, Ottignies

Session 5: Ablation for AF (pro/contra format)

> **Chairs:** Dr. Alexandre Delcour, Huy and Dr. Wim Anné, Roeselare

16:30 PRO early ablation of AF

Prof. Mattias Duytschaever, Bruges, BE

16:45 CONTRA early ablation of AF

Dr. Georges H. Mairesse, Arlon, BE

17:00 Rebuttal

Session 6: Pacing in sick sinus syndrome (pro/contra format)

> **Chairs:** Dr. Antoine De Meester, Jolimont and Dr. Frank Provenier, Ghent

17:15 PRO Every patient with SSS should be protected with a pacemaker

Prof. Carlos Morillo, Madrid, ES

17:30 CONTRA Every patient with SSS should be protected with a pacemaker

Prof. Roman Piotrowski, Warsaw, PL

17:45 Rebuttal

18:00 Walking dinner

Friday, 13th October 2023

Session 7: Optimal use of diagnostics in routine clinical practice

> Chairs: Dr. Ivan Blankoff, Charleroi and Dr. Peter Goethals, Brussels

08:30 Holter and ILR

Prof. Hein Heidbüchel, Antwerp, BE

09:00 MRI

Prof. Bernhard Gerber, Brussels, BE

09:30 Genetics

Prof. Antoine Bondue, Brussels, BE

10:00 Coffee Break & moderated posters session on Electrophysiology

> Moderator: Dr. Wim Huybrechts, Antwerp

Session 8: Dealing with ventricular arrhythmias

> Chairs: Dr. Sébastien Knecht, Bruges and Dr. Michael Wolf, Antwerp

10:45 From cell to clinic

Prof. Michel Haïssaguerre, Bordeaux, FR

11:15 Arrhythmogenic right ventricular cardiomyopathy

Prof. Kristina Haugaa, Oslo, NO

11:45 Ventricular tachycardia management in ischemic VT
with preserved ejection fraction

Prof. Maury Philippe, Toulouse, FR

12:15 Lunch



Session 9: Rapid firing: From ECG cases to guidelines

> **Chairs:** Dr. Pieter Koopman, Hasselt and Dr. Jean-Manuel Herzet, Liège

13:30 Syncpe

Dr. Pieter Koopman, Hasselt, BE

13:45 WPW

Dr. Cynthia Barbraud, Liège, BE

14:00 Mitral valve prolapse

Dr. Caroline Lepièce, Jolimont, BE

14:15 RVOT/LVOT ectopics

Dr. Philippe Vanduynhoven, Aalst, BE

14:30 Sustained atrial tachycardia

Dr. Liesbeth Timmers, Ghent, BE

14:45 Sustained ventricular tachycardia

Dr. Bruno Schwagten, Antwerp, BE

15:00 Coffee Break

HOW TO REDUCE RADIATION - LESSONS LEARNED

Session 10: Preparation is the clue! How to limit radiation by:

> **Chairs:** Dr. Marnix Goethals, Pelt and Dr. Lieve Van Casteren, Liège

15:30 Using optimal imaging techniques before and during EP procedures

Dr. Tom de Potter, Aalst, BE

16:00 Selecting the right EP procedure for the right patient

Prof. Christophe Scavée, Brussels, BE

Session 11: Optimal use of procedural techniques.

What did I learn from our worst cases:

> **Chairs:** Jean-Benoît Le Polain de Waroux, Bruges and

Dr. Frédéric Van Heuverswy, Ghent

16:30 In pacemaker implantation?

Dr. Michael Wolf, Antwerp, BE

17:00 In ablation?

Dr. Caroline Lepièce, Jolimont, BE

17:30 Final remarks

Thursday, 12th October 2023 10.30–11.00

Clinical Rythmology

Detecting atrial fibrillation from a single-lead ECG during sinus rhythm

Dupulphys, S.¹, Acou, PJ.¹, Dujardin, K.¹, Anné, W.¹, Vanhaverbeke, M.¹, Lammertyn, PJ.¹, McAuliffe, D.¹, Berteloot, L.¹, Gillis, K.¹, Pollet, P.¹, Dejaeger, P.¹.

¹ AZ Delta

Deep learning to identify patients who will present an atrial fibrillation onset within hours

Gregoire, JM.¹, Gilon, C.¹, Bersini, H.¹, Groben, L.², Nguyen, T.³, Godart, P.⁴, Carlier, S.⁵.

¹ Université Libre de Bruxelles, Brussels

² Hospital Center of Luxembourg

³ CHU Brugmann

⁴ CHU Ambroise Pare

⁵ University of Mons

Predictors of atrial fibrillation detection in patients undergoing loop recorder implantation for cryptogenic stroke

Locke, S.¹, Boute, M.¹, Garnir, Q.², Raymackers, JM.², Wauters, A.².

¹ Université Catholique de Louvain

² Clinique Saint-Pierre, Ottignies

Left atrial appendage closure in octogenarians: a single center experience in Belgium

De Molinari, N.¹, Descamps, O.¹, Lepièce, C.¹, Ceulemans, A.¹, Mancini, R.¹, de Meester, A.¹.

¹ Jolimont Hospital

Management considerations in fragile elderly patients with atrial fibrillation

Lange, M.¹, de Meester, A.¹, Descamps, O.², Hanotier, P., Lepièce, C.¹.

¹ UC Louvain

² Jolimont Hospital

Thursday, 12th October 2023 15.45–16.30

Pacing and Devices

Reversed Bipolar Anodal Stimulation with Left Bundle Branch Pacing: A New Pacing Modality to Further Resynchronize Patients Indicated for Cardiac Resynchronization Therapy

De Becker, B.¹, François, C.¹, De Smet, M.¹, Knecht, S.¹, Duytschaever, M.¹, Tavernier, R.¹, Le Polain de Waroux, J.B.¹.

¹AZ Sint Jan

One-year experience with leadless ventricular pacemaker providing atrioventricular synchronous pacing in the real-world setting: results from the Micra AV post approval registry

Garweg, C.¹, Chinitz, J.², Marijon, E.³, Haeberlin, A.², Winter, S.², Lacopino, S.², Curnis, A.², Breitenstein, A.², Hussin, A.², Mela, T.², El-Chami, M.², Roberts, P.², Piccini, J.², Stromberg, K.², Clementy, N.².

¹UZ Leuven

²TBC

³CHU Ile-De-France

Socio-economic predictors of 3-year mortality after ICD implantation in Belgium

Ingelaere, S.¹, Hoffmann, R.², Le Polain de Waroux, J.B.³, Blankoff, I.⁴, Mairesse, G.H.⁵, Vijgen, J.⁶, Vandekerckhove, Y.³, Vandenberk, B.¹, Willems, R.¹.

¹UZ Leuven

²H. Hartziekenhuis Lier

³AZ Sint Jan

⁴CHU de Charleroi

⁵Clinique du Luxembourg, Arlon

⁶ZH Jessa

Assessment of the impact of device placement, wrist movement, and sport activities on the validity of the Fitbit Inspire 2 heart rate monitor

Verberckt, C.¹, Vermunicht, P.¹, Makayed, K.¹, Laukens, K.¹, Knaepen, L.², Naessens, S.³, Hens, W.³, Van Craenenbroeck, E.³, Desteghe, L.², Heidbuchel, H.³.

¹University of Antwerp

²University of Hasselt

³Antwerp University Hospital

Development of systematic care pathways to tackle multimorbidity in elderly patients with atrial fibrillation: results of a Delphi process

Önder, R.^{1,2}, Vijgen, J.^{1,2}, Desteghe, L.^{1,2,3}, Heidbuchel, H.^{1,3}, for the EHRA-PATHS Horizon 2020 consortium

¹Faculty of Medicine and Life Sciences, Hasselt University/ LCRC

²Heart Center Hasselt, Jessa Hospital

³Department of Cardiology University of Antwerp and Antwerp University Hospital

Friday, 13th October 2023 10.00–10.45

Electrophysiology

Epicardial Ablation for Ventricular Arrhythmias: report from a single center

Maarten De Smet¹, De Becker B¹, François C¹, Tavernier R¹, Duytschaever M¹, Knecht S¹, le Polain de Waroux JB¹

¹ Cardiology department, AZ Sint-Jan Hospital, Bruges, Belgium

Zero Fluoroscopic Approach to AVNRT Ablation with 3D Electro-anatomical Mapping System

Xhaet, O¹, Robaye, B¹, Saidane, L¹, Collet, B¹, Huys, F¹, Godeaux, V¹, Dormal, F¹, Ballant, E¹, Blommaert, D¹.

¹ UC Louvain

Cardiac Radiotherapy for Ventricular Tachycardia - Workflow and First Results of the CREVET Study

Vandenberk, B¹, Voros, G¹, Poels, K¹, De Roover, R¹, Dymarkowski, S¹, Bogaert, J¹, Berkovic, P¹, Ector, J¹.

¹ UZ Leuven

Adding 3D electroanatomical mapping to cryoballoon pulmonary vein isolation improves 1-year clinical outcome

Tijssens, M¹, Abugattas, JP², Wolf, M¹, Schwagten, B¹, De Greff, Y¹, Xhaet, O¹

¹ ZN Antwerpen

² Hopital Erasme, CU Bruxelles

Efficacy and safety of high-power short-duration ablation in second procedures of atrial fibrillation

Esteve Ruiz, I¹, Moraleda Salas, MT¹, Carreño Lineros, JM¹, Arce Leon, A¹, Moriña Vazquez, P¹.

¹ Hospital Juan Ramón Jiménez

PRACTICAL INFORMATION

VENUE

Sheraton Brussels Airport Hotel and Congress Centre
Brussels International Airport, 1930 Zaventem - Belgium
Phone +32 (0)2 710 8000
www.sheratonbrusselsairport.be

ACCESS

By train - The airport train station is located on level -1 of the airport terminal. Up to 4 trains per hour connect the airport with Brussels North, Brussels Central and Brussels South (Midi) stations (journey time approx. 20 minutes). Info: www.b-rail.be

By car - On the Brussels ring-road, follow the signs for "Zaventem - Airport". Once you arrive at the airport, follow the signs for "Parking" and then "Sheraton".

PARKING

Car parks are available near the airport terminal. You can choose between Front Park 1, 2 or 3. They are open 24h/24h. All payment machines in the car parks accept cash or credit cards (Visa, Eurocard, American Express, Diners Club).

Info & rates: www.interparking.be/brusselsairport

WELCOME AND REGISTRATION

The welcome desk will be open from 6 p.m. on Wednesday 11th October and from 7.45 a.m. on Thursday 12th and Friday 13th October 2023.

LANGUAGE

Plenary sessions will be in English. ECG Courses for young cardiologists will be in French and Dutch.

REGISTRATION FEE

Congress registration fee	Until 17/09/2023	From 18/09/2023
BeHRA Members	200€	260€
BeHRA non-Members	275€	325€
Trainees, Students	95€	135 €

The congress registration fee includes access to the scientific sessions, lunches, coffee breaks and the walking dinner organised on Thursday 12th October at the Sheraton Brussels Airport Hotel.

Payment by bank transfer is recommended.

Confirmation of registration will be sent to participants prior to the congress. Please bring your confirmation letter on-site and present it at the welcome desk to receive your badge.

REGISTRATION CANCELLATION POLICY

75% of registration fee may be refunded upon written cancellation to BHRM Organising Secretariat before 8th September 2023. Payment is non-refundable thereafter.

PRE-CONGRESS SESSIONS FOR YOUNG CARDIOLOGISTS

Attendance is at no extra cost, but pre-registration is required.

ACCOMMODATION

Special rates are negotiated at the Sheraton Brussels Airport Hotel for the nights of 12th and 13th October 2023: Single room 225€ - Double room 245€ (price per night including buffet breakfast). To benefit from these rates, reservation must be made with the BHRM Organising Secretariat before 17th September 2023. After this date, the hotel no longer guarantees the availability of rooms at the BHRM special negotiated rate.

Hotel reservations will be accepted on a first come first served basis. Prepayment is required upon reservation.

In case of early arrival before 15:00, the room must be reserved the previous night to ensure availability upon arrival. The official check-out time is 12:00. In case of late departure, 50% of the room rate will be charged.

Cancellations are accepted up to fifteen days before the scheduled arrival time. If cancellation is made after payment of the room, a cancellation fee of 10% of the amount paid will be charged. Cancellation must be communicated in writing to the BHRM Organising Secretariat. If not received, the hotel is entitled to charge the room for the entire length of stay. There will be no refund for no-shows.

Info & Registration: www.bhrm.be

The Belgian Heart Rhythm Association would like to thank the following partners for providing support that contributes to the overall quality of the congress:

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Educational Grant



The special focus session is organised thanks to an educational grant from:



The ECG course for young cardiologists, trainees and fellows is organised thanks to an educational grant from:



Scientific Committee

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Dominique Blommaert, Yvoir
Tim Boussy, Kortrijk
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BHRM 2023

Programme Committee



BeHRA
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