



BeHRA

Belgian Heart Rhythm Association
previously BWGCPE

www.BeHRA.be

President:

Dr. Yves Vandekerckhove

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Dr. Jean-Benoit Le Polain de Waroux

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23/05/2018

Rapport d'activités BeHRA 2017

1. **Peer review: défibrillateurs internes et enregistreurs implantables⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾, ablation par radiofréquence et ablation par radiofréquence de la fibrillation auriculaire, implantation pacemaker.**

Collecte des données ICD via Qermid

Encodage dans la database

Analyse⁽⁵⁾

Présentation durant le congrès BeHRA

Distribution aux centres

Indications des **défibrillateurs**: Analyse économique

Développement, en collaboration avec l'INAMI pour encodage on line des défibrillateurs cardiaques

Modifications successives de la convention défibrillateurs internes : modification des conditions de reconnaissance et définition de nouvelles indications fonction de nouvelles données de la littérature

Modifications des critères à encoder.

Collecte des données **enregistreurs implantables**

Développement, en collaboration avec l'INAMI pour encodage on line des enregistreurs implantables

Encodage dans la database

Synthèse des résultats⁽⁶⁾

Présentation durant le congrès BeHRA

(1) *Peer review in Arrhythmology The BeHRA databases*

(2) *Rapport Final Moniteur Cardiaque Implantable sept 2013 (ppt)*

(3) *Arrhythmia Management Devices: Managing With Pacemakers and Implantable Cardioverter Defibrillators*
Circulation. 2013;128:1576-1585. doi:10.1161/CIRCULATIONAHA.113.001555

(4) *2013 ESC Guidelines on cardiac pacing and cardiac resynchronization therapy. The Task Force on cardiac pacing and resynchronization therapy of the ESC. Developed in collaboration with the European Heart Rhythm Association (EHRA)*
European Heart Journal (2013) 34, 2281-2329 doi:10.1093/eurheartj/ehs150

(5) *Pacemaker replacements in Belgium: Anno 2002*

Blankoff, I.; Ector, H.; Goethals, M.; Mairesse, G.; Nelemans, H.; Verbeet, T.; Vijgen, J.
Europace: European pacing, arrhythmias and cardiac electrophysiology: journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology. 2013, Vol.7(1), pp.196-b [Peer Reviewed Journal]

(6) *The European cardiac resynchronization therapy survey: patient selection and implantation practice vary according to centre volume*
Alings, M.; Andresen, D.; Auricchio, A.; Ben Gal, T.; Bogale, N.; Brant, J.; Brugada, J.; Butter, C.; Cleland, John GF.; Delgado, J.; Derumeaux, G.; Dickstein, Kenneth.; Fruhwald, F.; Færevstrand, Svein.; Gadler, F.; Gasparini, Maurizio.; Gitt, Anselm.; Glikson, Michael.; Goethals, M.; Gonska, B.; Gras, D.; Jordaens, L.; Jung, W.; Keane, D.; Kindermann, Michael.; Komajda, Michel.; Kuck, Karl-Heinz.; Larsen, Alf Inge.; Linde, Cecilia.; Maass, Alexander.; McDonald, Ken.; Metra, Marco.; Mont, Lluís.; Morgan, John.; Osswald, Stefan.; Persson, Hans.; Priori, Silvia.; Rocca, Hans Peter Brunner-La.; Senges, Jochen.; Squire, Ian.; Stellbrink, Christoph.; Stellbrink, Christoph.; Strohmer, Bernhard.; Trochu, Jean Noel.; Vijgen, J.; van Veldhuisen, Dirk J.
Europace: European pacing, arrhythmias and cardiac electrophysiology: journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology. 2013, Vol.13(10), pp.1445-1444 [Peer Reviewed Journal]

2. Electrophysiologie interventionnelle

Poursuite de la collecte et de l'analyse des données ablation
Contact avec les centres: téléphonique, email, courrier

Mise à disposition du logiciel d'encodage pour les nouveaux centres ou ceux qui ont perdu l'application, contacts téléphonique pour l'installation du logiciel
Délivrance aux centres d'un follow-up individuel 2/an avec évolution des indices de qualité individuels
Nouvelle database on line, mise au point, tests, actualisation des listes et menus déroulants
Poursuit de la nouvelle base de données électronique pour encodage par internet
Contact avec les centres, mise à disposition des accès

Mise à jour permanente de la liste des centres participants sur le site internet du BeHRA - BWGCPE
<http://behra.be>

3. Participation aux réunions de travail pour **Harmonisation Européenne** (Dr. J. Vijgen) **de guidelines** sur pacemakers, défibrillateurs et conduite automobile (7)

4. Divers:

4.1. Mise à jour permanente du **site internet http:// behra.be** c.à.d. création formulaire encodage abstracts online pour le congrès annuel, recueil électronique des abstracts, publication des annonces du congrès annuel, publication et mise à jour de la liste des membres

4.2. **Congrès annuel** 4, 5, 6 octobre 2017: 11th Belgian Heart Rhythm meeting : “Arrhythmias for every cardiologist” (8). The scientific program, was presented by a distinguished national and international faculty, focusing on daily management of cardiac arrhythmias. The congress also included ECG courses for young cardiologists and teaching sessions for cardiovascular nurses. Highlighting the newest research in the field, selected abstracts will be presented in plenary sessions and during moderated poster sessions.

Session 1: Abstracts Session: Best Abstracts Presentation

Session 2: Optimal Programming of Devices

- Should we minimise RV pacing in all patients? Prof. Carsten W. Israel, Münster, DE
- Current state-of-the-art ICD programming in primary prevention Prof. Laurent Fauchier, Tours, FR

Special focus: Primary Prevention of Sudden Cardiac Death

Session 3: Primary Prevention in Acquired Cardiac

- In ischemic heart disease Prof. Christophe Leclercq, Rennes, FR
- In non-ischemic heart disease Prof. Jens Cosedis Nielsen, Aarhus, DK

Session 4: Primary Prevention in Inherited Cardiac Disease

- The optimal candidate Prof. Gian-Baptista Chierchia, Brussels, BE
- The optimal device:
 - ✓ Favours the subcutaneous approach Prof. Jean-Benoit Le Polain de Waroux, Brussels, BE
 - ✓ Favours the classical transvenous approach Dr. Frank Provenier, Ghent, BE

(7) *Driving and arrhythmia: a review of scientific basis for international guidelines*

Banning, Amerjeet S ; Ng, G. André
European Heart Journal, 2013, Vol. 34(3), pp.236-244 [Peer Reviewed Journal]

(8) *Abstract: Belgian Society of Cardiology Belgian Heart Rhythm Association (11th Belgian Heart Meeting: 'Arrhythmias for Every Cardiologist*

I. Blankoff, MD; M. Goethals, MD, PhD; GH. Mariese, MD

ActaCardiologica 2017; 72 (5): 568-598

<https://doi.org/10.1080/00015385.2017.1368264>

Session 5: Optimising Global Stroke Prevention in Risk Patients

- Oral anticoagulants and antiplatelet therapy: friends or enemies? Dr. Tatjana Potpara, Belgrade, RS
- Dealing with AF patient at the time of or after a stroke Prof. Hans-Christoph Diener, Essen, DE

Session 6: Genetics

- Genetic architecture of cardiac rhythm disorders Prof. Connie Bezzina, Amsterdam, NL
- How to implement the results in the clinic? Prof. Antoine Bondue, Brussels, BE

Session 7: Managing SVT

- Managing SVT in the acute and in the chronic setting Prof. Francis Murgatroyd, London, UK

Session 8: Challenging ECGs in Children and Congenital Heart Disease in Collaboration with the Belgian Working Group on Congenital Heart Disease in Adults (BWGACHD)

- Pediatric ECGs and Grown-Ups with Congenital Heart Disease Dr. Hans De Wilde, Ghent, BE Dr Maria Cecilia Gonzalez, Brussels, BE

Session 9: Lessons from the Belgian Database

- PM database Prof. René Tavernier, Bruges, BE
- ICD database Prof. Jean-Benoît Le Polain de Waroux, Brussels, BE

Session 10: ECG Reading for Fun Prof Hein Heidbüchel, Antwerp, BE Dr Pieter Koopman, Hasselt, BE

Session 11: To Sport or Not to Sport?

- To screen or not to screen? Prof. Domenico Corrado, Padova, IT
- Sports for PM/ICD patients: friends or enemies? Prof. Frederic Anselme, Rouen, FR

Session 12: NOACs in the Real World

- Lessons from the Garfield database Prof. the Lord Ajay Kumar Kakkar, London, UK
- Defining “valvular” atrial fibrillation as a guide to treatment. Prof. Raffaele De Caterina, Chieti, IT

Session 13: The Days After AF Ablation

- Antiarrhythmic therapy after AF ablation Prof. Helmut Pürerfellner, Linz, AT
- Prevention of stroke after AF ablation Prof. Mattias Duytschaever, Bruges, BE

Session 14: Management of Ectopic Beats (New Insights)

- PVC's and prognosis Prof. Luc Jordaens, Brussels, BE
- PAC's and stroke risk Prof. Peter Jacobsen, Copenhagen, DK

Session 15: The Importance of Radioprotection

- EHRA/HRS Consensus document on radiation exposure in the electrophysiology laboratory to patients and personnel with childbearing potential and during pregnancy Prof. Andrea Sarkozy, Antwerp, BE
- Improving the use of non-fluoroscopic imaging Dr. Bruno Schwagten, Antwerp, BE

Session 16: Radioprotection in Everyday Practice: How To Limit Radiation? Moderator: Hein Heidbüchel, Antwerp, BE

- AT ablation during pregnancy Prof. René Tavernier, Bruges, BE
- Reducing radiation even further: practical guidelines Prof. Christophe Scavée, Brussels, BE

4.3. Participation registration Européenne des pacemakers et défibrillateurs bi ventriculaire (EHRA – EAHF)

4.4. Participation EuroEco (European Health Economic Trial on Home Monitoring in ICD Patients):
a provider perspective in five European countries on costs and net financial impact of follow-up with or
without remote monitoring.

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