Heart health matters in perspective

PROGRAMME

13-14 February
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<thead>
<tr>
<th>Name</th>
<th>Institution/Location</th>
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<tr>
<td>Prof. Dr. Patrizio Lancellotti</td>
<td>CHU du Sart Tilman, Liège</td>
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<td>Prof. Dr. Michel De Pauw</td>
<td>UZ Ghent</td>
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<tr>
<td>Prof. Dr. Marc Claeys</td>
<td>UZ Antwerp</td>
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<tr>
<td>Dr. Peter Geelen</td>
<td>Cardiovascular Center OLV Aalst</td>
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<td>Prof. Dr. Agnès Pasquet</td>
<td>Cliniques Universitaires Saint-Luc</td>
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<td>Prof. Dr. Bernard Cosyns</td>
<td>UZ Brussels</td>
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<td>Dr. Anne Vorlat</td>
<td>UZ Antwerp</td>
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<td>Prof. Dr. Rik Willems</td>
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<td>CHU Charleroi</td>
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<td>Prof. Dr. Johan De Sutter</td>
<td>AZ Maria Middelaris</td>
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<td>Prof. Dr. Olivier Van Caenegem</td>
<td>Cliniques Universitaires Saint-Luc</td>
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<td>Prof. Dr. Sandrine Horman</td>
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<td>Prof. Dr. Philippe V. D. Borne</td>
<td>Hôpital Erasme</td>
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<td>Dr. Eva Goossens</td>
<td>Academic Center for Nursing and Midwifery, Leuven</td>
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<tr>
<td>Dr. Fabian Demeure</td>
<td>CHU UCL Namur Mont Godinne</td>
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<td>Dr. Ward Heggermont</td>
<td>Cardiovascular Center OLV Aalst</td>
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<td>Dr. Frank Cools</td>
<td>AZ Klina</td>
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<td>Dr. Georges Mairesse</td>
<td>Cliniques du Sud Luxembourg</td>
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<td>Prof. M.C. Herregods</td>
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<td>Dr. Lieven Herbots</td>
<td>Jessa Ziekenhuis, Hasselt</td>
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<td>Prof. Dr. Luc Pierard</td>
<td>University Hospital Sart Tilman</td>
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<td>Dr. Muriel Sprynger</td>
<td>CHU du Sart Tilman, Liège</td>
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Dear colleagues, dear friends,

On behalf of the Belgian Society of Cardiology (BSC), I would like to welcome you to the 39th BSC annual congress.

The congress has been designed to provide an innovative and extensive overview of the latest developments in cardiovascular medicine. It promises to be more interactive than ever, with lots of emphasis on clinical practice. Many distinguished cardiologists and scientists have joined the faculty and will take active part in the event.

For many, the BSC congress provides a great opportunity to reconnect with colleagues, make new acquaintances and network with cardiovascular experts during the 2 days of intensive exchanges and education.

Cardiovascular diseases are still the number one cause of death and disability in adult men and women in Belgium. As physicians and academics, we are in part responsible for the care of Belgian’s hearts. The overall theme of this edition will be dedicated to “Heart Health Matters in Perspective”.

The format of the 39th edition of the BSC Congress has been adapted to meet your expectations. There will be a specific track dedicated to Cardio-Oncology, a new and fast-growing discipline in cardiology. After the President Key-note lecture, the topic on Optimizing Cardiac Health in Cancer Patients will be put into perspective. Participants will be able to attend several interactive case-based sessions. There will also be a full day dedicated to nurses, where the paramedic approach to heart problems will be discussed. For the first time, two accredited radiation protection training sessions will be available. Also, the work of the working groups will be put forward through several dedicated sessions, new insights from Belgian and European registries will be presented and there will be brand-new hands-on sessions. Industry-supported satellite symposia will also give the floor to high-level international speakers, presenting different cardiologic topics. Our research will be showcased through Abstract presentations, Laureate lectures and the awards ceremony (Best abstracts, Young Investigator sessions and Belgian Heart Foundation research prizes). On Thursday, the “Clash of the Titans” session will provide a lively competition between Seniors in Cardiology and the Audience.
We designed this annual meeting to be a source of new scientific and educational discoveries, allowing for continuous investments in the care of patients with cardiovascular problems, still the number one killer in the Western world.

The success of the BSC meeting reflects the dedication and hard work of members of the Scientific Programme Committee and the Working Groups. As your President, I express my gratitude to all of them.

On behalf of the BSC Scientific Programme Committee, I do hope you will enjoy the BSC congress more than ever!

Prof. Dr. Patrizio Lancellotti
President of the Belgian Society of Cardiology
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<thead>
<tr>
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<td>9:00-10:15</td>
<td>SC1 – BIWAC</td>
<td>Oncologic patients in the ICU</td>
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<td>SC2 – BWGIC</td>
<td>Interventional insights for the general cardiologist</td>
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<td>SN1 – Nursing track</td>
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<td>10:15-11:00</td>
<td>SC3 – Keynote session</td>
<td>Heart Health Matters in Perspective</td>
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<td>11:00-11:30</td>
<td>Coffee break (Exhibition Hall)</td>
<td>SS1 - Top notch oral presentations</td>
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<td>11:30-12:45</td>
<td>SC4 – BWGCPR</td>
<td>Cardiac rehabilitation &amp; return to work</td>
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<td>SC5 – Satellite Symposium</td>
<td>organised by Novartis</td>
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<td>SN2 – Nursing track</td>
<td>Why sacubitril / valsartan is for the many, not just for the few</td>
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<td>12:45-14:00</td>
<td>Lunch (Exhibition Hall)</td>
<td>Radiation session</td>
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<td>Industry practical sessions</td>
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<td>14:00-15:15</td>
<td>SC6 – BeHRA</td>
<td>Device detected arrhythmias</td>
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<td>SC7 – Satellite Symposium</td>
<td>organised by Servier</td>
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<td>SN3 – Nursing track</td>
<td>The challenges of today &amp; tomorrow to reduce cardiovascular mortality</td>
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<td>15:15-16:30</td>
<td>SC8 – YCC</td>
<td>e-Health revolution: big data in cardiology</td>
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<td>SC9 – BSC</td>
<td>Gender differences in the management and clinical outcome of cardiac disease</td>
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<td>SN4 – Nursing track</td>
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<td>16:30-17:00</td>
<td>Coffee break (Exhibition Hall)</td>
<td>SS3 - Top notch oral presentations</td>
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<td>17:00-18:00</td>
<td>SC10 – CLASH OF THE TITANS</td>
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<td>18:00-18:30</td>
<td>Networking cocktail event with D.C. Jazz (Auditorium foyer)</td>
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<td><strong>SC11 – BWGHF</strong> Heart Failure in 2020</td>
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<td><strong>SC12 – Satellite Symposium organised by Pfizer</strong></td>
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<td>Suspect and detect cardiac amyloidosis</td>
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<td><strong>SV1 – Vascular track</strong></td>
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<td>BWGA: Abdominal Aortic Aneurysm in 2020</td>
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<td>10:15-11:30</td>
<td><strong>SC13 – BWGNICI</strong> Imaging in ischemic cardiomyopathies</td>
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<td><strong>SC14 – Satellite Symposium organised by Astra Zeneca</strong></td>
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<td>A heart for diabetics</td>
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<td><strong>SV2 – Vascular track</strong></td>
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<td>BSTH: Venous thromboembolism in 2020</td>
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<td><strong>SS4 - Top notch oral presentations</strong></td>
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<td>12:00-13:15</td>
<td><strong>SC15 – BSC-ESC Joint Session</strong></td>
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<td>Case based challenging of the new ESC guidelines &amp; Award ceremony</td>
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<td>13:15-14:15</td>
<td>Lunch (Exhibition Hall)</td>
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<td>Industry practical sessions</td>
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<td>14:15-15:30</td>
<td><strong>SC16 – Joint session BWGACHD- BeHRA</strong></td>
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<td>Modern management of rhythmic disorders in Adult Congenital Heart Disease</td>
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<td><strong>SC17 – Satellite Symposium organised by Boehringer Ingelheim</strong></td>
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<td>Exploring the impact of SGLT2 inhibitors over the next decade</td>
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<td>15:30</td>
<td>Wrap up</td>
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**Friday 14th February**
## PROGRAMME

**Thursday 13th February**

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<td><strong>Moderators:</strong></td>
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<td></td>
<td>Olivier Van Caenegem – UCL Saint Luc, Brussels, BE</td>
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<td>Hannah Schaubroeck – University Hospital, Ghent, BE</td>
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<td><strong>1st Case presentation – Acute cardiac diseases in active cancer patients</strong></td>
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<td>Constantijn Franssen – Antwerp University Hospital, Edegem, BE</td>
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<td><strong>Lecture 1 - Acute cardiac diseases in active cancer patients</strong></td>
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<td>Sofie Gevaert – University Hospital, Ghent, BE</td>
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<td><strong>2nd Case presentation - End-of-life decisions in the ICU</strong></td>
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<td>Marc Nauwynck – Sint-Jan Academic Hospital, Bruges, BE</td>
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<td><strong>Lecture 2 - End-of-life decisions in the ICU</strong></td>
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<td>Xavier Wittebole – UCL Saint-Luc, Brussels, BE</td>
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<tr>
<td>9:00-10:15</td>
<td><strong>SC2 – BWGIC - Interventional insights for the general cardiologist</strong></td>
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<td>Walter Desmet – UZ Leuven, BE</td>
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<td>Joelle Kefer – UCL St Luc Brussels, BE</td>
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<td><strong>New strategies in the work-up of chronic coronary syndromes</strong></td>
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<td>Carlos Collet – OLV Aalst, BE</td>
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<td><strong>Update on DAPT</strong></td>
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<td>Peter Sinnaeve – UZ Leuven, BE</td>
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<td><strong>Patient selection for transcatheter valve therapies</strong></td>
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<td>Ian Buysschaert – ASZ Aalst, BE</td>
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</tbody>
</table>
10:15-11:00
SC3: Keynote session
Heart Health Matters in Perspective
Moderators:
Patrizio Lancellotti – CHU Liège, BE
Michel De Pauw – UZ Ghent, BE
Health Matters in Perspective
Patrizio Lancellotti – CHU Liège, BE
Optimizing Cardiac Health in Cancer Patients
Maurizio Galderisi – University Hospital Naples, IT
BSC Gold Medal presentation

11:00-11:30
Coffee break
(Exhibition Hall)
SS1 - Top notch oral presentation
Moderators:
Georges H. Mairesse – Vivalia Arlon, BE
Walter Desmet – UZ Leuven, BE
Heart failure with preserved ejection fraction in Belgium: baseline characteristics and outcome of a real life cohort
Sibille Lejeune – UCL Saint-Luc, Brussels, BE
Is multidisciplinary cardiac rehabilitation following cardiac resynchronization cost-effective?
Hélène De Cannière - Hasselt University, BE
PROGRAMME
Thursday 13th February

11:30-12:45

**SC4 – BWGCPK - Cardiac rehabilitation & return to work**

*Moderators:*
Johan De Sutter – AZ Maria Middelares, Ghent, BE
Raymond Kacenelenbogen - CHU Saint-Pierre Brussels, BE

**The role of cardiac rehabilitation in improving vocational reintegration – Belgian situation**
Ines Frederix – Sint-Dimpna Hospital Geel, BE & University of Antwerp, BE

**How to practically assess readiness for return to work? An internationally defined guideline**
Rona Reibis – University of Potsdam, DE

**Cardiac rehabilitation & vocational reintegration: implications for the healthcare system**
Lutgart Braeckman – University Hospital Ghent, BE

12:45-14:00

**SC5 – Satellite Symposium organised by Novartis**
Why sacubitril/valsartan is for the many, not just for the few

*Moderators:*
Michel De Pauw – UZ Ghent, BE
Anne-Catherine Pouleur – UCL Saint-Luc, BE

**Heart Failure with reduced ejection fraction and arrhythmias: data in special population with ICD and mitral regurgitation**
Carlos De Diego – University hospital Torrevieja y Vinalopó-Elche, ES

**Local perspective**
Matthias Dupont – ZOL Genk, BE

**Q&A**
Carlos De Diego – University hospital Torrevieja y Vinalopó-Elche, ES
Matthias Dupont – ZOL Genk, BE
Michel De Pauw – UZ Ghent, BE
Anne-Catherine Pouleur – UCL Saint-Luc, BE

12:45-14:00

**Lunch (Exhibition Hall)**

**Radiation Teaching-Session 1/2**

*Moderator:*
Franc Cools – AZ Klina Brasschaat, BE

Radiation in cardiology: use it wisely!
How to optimize diagnostic and therapeutic procedures for maximum patient safety
Eugenio Picano – Institute Clinical Physiology Pisa, IT
14:00-15:15

SC6 – BeHRA - Device detected arrhythmias

Moderators:
Ivan Blankoff – CHU Charleroi, BE
Johan Vijgen – Jessa Hospital Hasselt, BE

Role and value of detection tools for documentation of arrhythmias
Georges H. Mairesse – CSL Arlon, BE

Subclinical atrial tachyarrhythmias and the need for oral anticoagulation
Gregory YH Lip – University of Liverpool, UK

Socio-economical impact of AF screening
Giuseppe Boriani – University of Modena & Reggio Emilia, IT

SC7 – Satellite Symposium organised by Servier
The challenges of today & tomorrow to reduce cardiovascular mortality

Moderators:
Johan De Sutter – AZ Maria Middelares, Ghent, BE
Christophe Beauloye – UCL Saint-Luc, BE

The challenge of therapeutic inertia in atherosclerosis disease – where are we going?
Claudio Borghi – University of Bologna, IT

The challenge of EBM to prevent cardiovascular events and mortality – where are we?
Martin Strauss – North York General Hospital, CA

The challenge in cardio-oncology – where to start?
Lucas Van Aelst – KU Leuven, BE
PROGRAMME
Thursday 13th February

14:00-15:15

SS2 – YIA Presentations & Jacqueline Bernheim Prize laureate presentation

Jury:
Antoine Bondue – Erasme Hospital Brussels, BE
Marc Claeys – UZ Antwerp, BE
William Wijns – University of Ireland Galway, IE

Cardiac Microvascular Endothelial Cells in Pressure Overload-induced Heart Disease
Sander Trenson – UZ Leuven, BE

Acute re-distribution of regional left ventricular work by cardiac resynchronization therapy determines long-term remodelling
Jürgen Duchenne – UZ Leuven, BE

Worse prognosis in Brugada syndrome patients with features of arrhythmogenic cardiomyopathy
Esther Scheirlynck – UZ Brussel/VUB, BE

Diagnostic yield for Cardiac Amyloidosis in the heart failure clinic, pre-TAVR screening and patients over 50 years of age referred for a 99mTc-HMDP scintigraphy – results of a single centre registry
Sarah Stroobants – Jessa Ziekenhuis, BE

Heart failure with preserved ejection fraction: focus on exercise and the endothelium
Andreas Gevaert – University of Antwerp, BE

15:15-16:30

SC8 – YCC
e-Health revolution: big data in cardiology

Moderators:
Ward Heggermont – OLV Aalst, BE
Fabian Demeure – CHU UCL Namur Mont Godinne, BE

How will big data improve my practice?
And how can I contribute?
Johan Sundström – Uppsala University, SE

Legal aspects in big data: do’s and don’ts
Catherine Van De Heyning – University of Antwerp, BE
SC9 – BSC  
Gender differences in the management and clinical outcome of cardiac disease  
Moderators:  
Agnès Pasquet – UCL Saint-Luc, Brussels, BE  
Marie Moonen – CHU Sart Tilman Liège, BE  
Coronary artery disease in women  
Sofie Gevaert – UGhent, BE  
Heart failure in women  
Ana Roussoulières – Erasme Hospital Brussels, BE  
Peripartum cardiomyopathy in translation  
Denise Hilfiker-Kleiner – Hannover, DE

Coffee break  
(Exhibition Hall)  

SS3 – Top notch oral presentations  
Moderators:  
Fabian Demeure – CHU UCL Namur Mont Godinne, BE  
Muriel Sprynger – CHU Liège, BE  
Endothelial barrier protection by AMPK and SGLT2 inhibitors  
Marine Angé – UCL Saint-Luc, BE  
Enhanced adrenergic response of myocytes in the peri-infarct region underlies triggered activity and repolarization lability in vivo  
Matthew Amoni – KU Leuven, BE

SC10 – CLASH OF THE TITANS  
Interactive educational competition between the “Hall of Fame” (senior cardiologists) and the audience  
Presenters:  
Muriel Sprynger – CHU de Liège, BE  
Patrizio Lancellotti – CHU de Liège, BE  
Jury:  
Marc Claey – UZ Antwerp, BE  
Agnès Pasquet – UCL St. Luc, BE  
Michel DePauw – UZ Ghent, BE  
Hall of fame team members:  
Bernard De Bruyne - OLV Aalst, BE  
JL Vanoverschelde – UCL St. Luc, BE  
Christiaan Vrints – UZ Antwerp, BE  
Dominique Blommaert – UCL Mont Godinne, BE

Networking cocktail event with “D.C. Jazz”  
(Auditorium foyer)
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<td>8:00-9:00</td>
<td><strong>SN1 – Nursing track</strong>&lt;br&gt;Moderators:&lt;br&gt;Liesbet Van Bulck – KU Leuven, BE&lt;br&gt;Laurence Hody – UCL Saint-Luc Brussels, BE&lt;br&gt;Hypertension pulmonaire - les bases pour les soins infirmiers&lt;br&gt;Julien Guiot - CHU Liège, BE&lt;br&gt;Menopauze, verantwoord gebruik van hormonen&lt;br&gt;Tine De Backer - UZ Ghent, BE</td>
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<td>14:00-15:15</td>
<td><strong>SN3 – Nursing track</strong>&lt;br&gt;Moderators:&lt;br&gt;Alexander Camerlynck – UZ Brussels, BE&lt;br&gt;Vanessa Wauthier – CHR Namur, BE&lt;br&gt;10 raisons de faire un ECG - discussion de cas cliniques&lt;br&gt;Dominique Djian – CHR Namur, BE&lt;br&gt;De subcutane ICD - een optie voor iedere patiënt?&lt;br&gt;Liesbeth Timmers – UZ Ghent, BE</td>
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To receive their credits, delegates are invited at the designated accreditation desk located in the Palais 10 (Exhibition Hall).

Opening hours: 12:45 till 18:00 on Thursday 13th February and 13:15 till 16:00 on Friday 14th February.

For the credits in radio-therapy: please sign the list at the entrance of Foyer room at the time of the Radiation sessions.
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<td>Walter Droogné – UZ Leuven, BE</td>
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<td><strong>Heart failure and cancer, dangerous liaisons</strong></td>
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<td>Carlo Gabriele Tocchetti – University of Naples, IT</td>
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<td><strong>Clipping heart failure</strong></td>
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<td>Nathan Mewton – CHU de Lyon, FR</td>
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<td><strong>Wrap-up HF 2020</strong></td>
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<td>Matthias Dupont – ZOL Genk, BE</td>
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|               | **SC12 – Satellite Symposium organised by Pfizer**                      |
|               | **Suspect and detect cardiac amyloidosis**                             |
|               | **Moderators:**                                                         |
|               | Pierre Troisfontaines – CHR Citadelle Liège, BE                        |
|               | Steven Droogmans – UZ Brussels, BE                                     |
|               | **Clinical case & red flags**                                          |
|               | Pierre Troisfontaines – CHR Citadelle Liège, BE                        |
|               | **Differential diagnosis of cardiac amyloidosis**                     |
|               | Sharmila Dorbala – Birgham and Women’s Hospital Boston, US             |
|               | **Q&A**                                                                |
|               | **Closing remarks & take home message**                               |
|               | Steven Droogmans – UZ Brussels, BE                                     |

|               | **SV1 – BWGA: Abdominal Aortic Aneurysm in 2020**                      |
|               | **Moderators:**                                                         |
|               | Jean-Claude Wautrecht – Erasme Hospital Brussels, BE                   |
|               | Karl Von Kemp – VUB Brussels, BE                                       |
|               | **Screening**                                                          |
|               | Hendrik van Damme - CHU Liège, BE                                      |
|               | **Medical treatment**                                                  |
|               | Tine de Backer – UZ Ghent, BE                                          |
|               | **Surgical and endovascular treatment**                               |
|               | Robert Verhelst – UCL Brussels, BE                                     |
SC13 – BWGNICI
Imaging in ischemic cardiomyopathies

Moderators:
Bernard Gerber - UCL St. Luc Brussels, BE
Bernard Paelinck – UZ Antwerp, BE

Invasive FFR is the gold standard
Bernard de Bruyne – OLV Aalst, BE

Perfusion Imaging remains the reference
Alessia Gimelli - Fondazione Toscana Gabriele Monasterio Pisa, IT

SC14 – Satellite Symposium organised by Astra Zeneca: A heart for diabetics

Moderators:
Patrizio Lancellotti – CHU Sart Tilman Liège, BE
Anne-Catherine Pouleur – UCL St-Luc Brussels, BE

Uncovering the mechanisms behind the cardiovascular risk continuum in diabetics
Thomas Vanassche – UZ Leuven, BE

Evolving role of cardiologists in the SGLT2 inhibition era
Ward Heggermont – OLV Aalst, BE

Spotlights on dual antiplatelet therapy in diabetics: translating data into practice
Mathias Vrolix – ZOL Genk, BE

SV2 – Vascular track
BSTH: Venous thromboembolism in 2020

Moderator:
Laure Gillis – CHU Liège, BE

Medical treatment
Peter Verhamme – KU Leuven, BE

Thrombophilia screening
Serge Motte – Erasme Hospital Brussels, BE

How long to treat?
Philippe Hainaut – UCL Saint-Luc, Brussels, BE

DVT and cancer
Muriel Sprynger – CHU Liège, BE

Discussion Q&A
11:30-12:00 Coffee break (Exhibition Hall)

SS4 – Top notch oral presentations
Moderators:
Frank Cools – AZ Klina Brasschaat, BE
Lieven Herbots – UZ Leuven, BE

Permanent His bundle pacing: 1-year Belgian multicenter experience
Jan De Pooter – Ghent University Hospital, BE

Twist Mechanic of the Left Ventricle: Angular Velocities Are Good Indicators of LV Function
Sofia Morra – Erasme Hopital Brussels, BE

12:00-13:15 SC15 – BSC-ESC Joint Session
Case based challenging of the new ESC guidelines & Award ceremony

Moderators:
Marc Claeys – UZ Antwerp, BE
Patrizio Lancellotti - CHU du Sart Tilman Liège, BE

Challenging the Guidelines Acute Pulmonary Embolism
Stravos Konstantinides – CTH Mainz, DE
+ case presentations with voting

Chronic Coronary Syndromes (previously Stable Coronary Artery Disease)
William Wijns – National University of Ireland Galway, IE
+ case presentations with voting

13:15-14:15 Lunch (Exhibition Hall)
14:15-15:30

**SC16 – Joint session BWGACHD - BeHRA**
Modern management of rhythmic disorders in Adult Congenital Heart Disease

**Moderators:**
Ivan Blankoff – CHU Charleroi, BE  
Antoine Bondue – Erasme Hospital Brussels, BE

Lesion-specific risk for sudden death and ventricular Arrhythmias in adults with CHD. How to predict it
Pastora Gallego – University Hospital Virgen del Rocio Sevilla, ES

Management of syncope: what are the red flags?
Hans de Wilde – UZ Ghent, BE

The role of CRT and ICD in managing Heart Failure in ACHD
J.B. le Polain de Waroux – UCL Saint-Luc, BE

**SC17 – Satellite Symposium organised by Boehringer Ingelheim**
Exploring the impact of SGLT2 inhibitors over the next decade

**Moderators:**
Marc Claeys – UZ Antwerp, BE  
Philippe Van de Borne – Erasme Hospital Brussels, BE

Mode of action of SGLT2 inhibitors in type 2 diabetes and beyond: Clinical implications for Belgium anno 2020
Stefan Janssens – UZ Leuven, BE

The clinical evidence base for SGLT2 inhibitors in diabetes and beyond
Martin R Cowie – Imperial College London, UK

15:30

Wrap up
MISSION

The Belgian Heart foundation is a new initiative founded by the BSC and launched at the 2018 BSC Congress. It aims to promote cardiovascular research and education, in order to improve the care and outcome of the patients with cardiovascular diseases. To achieve this goal, prizes and research grants will be awarded.

ACTIVITIES

The Belgian Heart Foundation organises yearly calls for different prizes and grants. In 2019 the collaboration with the King Baudouin Foundation has been established, to further promote and process the calls specifically for the grants.

The following awards and grants will receive special recognition during the BSC Award ceremony:

- Young Investigators Awards of €6,500 for both clinical and basic research
- Best abstract oral presentation awards of €1,000 each
- Doctor Léon Dumont prize of €40,000
- BSC research grant of €15,000 single center - €20,000 multicenter each for: Clinical research, Basic research and Research in cardio-oncology

More information can be found on: www.belgianheartfoundation.be
The abstracts book is available on the BSC App

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POSTERS ON DISPLAY
All posters invited for digital poster display can be found in the Palais 10 (see exhibition floorplan). The abstracts book can be found on the BSC 2020 Event App.

Arrhythmias / Device

1. **Adjusted D-Dimer evaluation to rule out left atrial Thrombus in patients with Atrial Fibrillation (ADDIT-AF)**
   Alexandre Almorad; Sébastien Knecht; René Tavernier; Yves Vandekerckhove - AZ Sint-Jan Brugge; Brahim Berdaoui; José Castro; Eva De Keyzer; Marielle Morissens; Anush Ohanyan; Georgiana Pintea; Sophie Samyn; Thierry Verbeet – CHU-Brugmann

2. **The Ticking Heart: Case series of Lyme Carditis**
   Marin Boute; Aurélien Wauters; Jean-Christophe Marot; Grégoire Wieërs - Clinique Saint-Pierre Ottignies

3. **Aortic valve implantation-induced bundle branch block as a framework towards a more uniform electrocardiographic definition of left bundle branch block**
   Simon Calle; Mathieu Coeman; Jan De Pooter; Peter Gheeraert; Peter Kayaert; Tine Philipsen; Frank Timmermans - Gent University Hospital

4. **Event Rates after 2-year Follow-up of the Belgian Patients Recruited in the Global Anticoagulant Registry in the FIELD (GARFIELD-AF) study**
   Frank Cools - AZ Klina; Wim Anné - AZ delta; Ivan Blankoff - CHU de Charleroi; Tim Boussy - AZ Groeninge; Axel De Wolf - RZ Tienen; Dirk Faes - Mariaziekenhuis Noord Limburg; Kurt Hermans - AZ Sint Lucas; Alex Heyse - AZ Glorieux – Ronse; Ajay Kakkar - Thrombosis Research Intitute; Georges Mairesse - Hôpital d’Arlon; Stefan Verstraete - AZ Zeno; Olivier Xhaët - UCL Mont Godinne; Bart Wollaert – ZNA; Joeri Voet - AZ Nikolaas; Geert Vervoort - AZ Sint Maarten

5. **ETNA AF-Europe: First 1-year follow-up snapshot analysis of 1,215 AF patients treated with edoxaban in routine clinical practice in Belgium**
   Carlos de Asmundis – UZ Brussel; Frank Cools – AZ Klina; Tom de Potter – OLV ZH Aalst; Tom Rossenbacker - Imeldaziekenhuis -Bonheiden; Tom Sarens – AZ Sint-Blasius; Filip Vanstechelman - AZ Sint Elisabeth; Ruben Casado Arroyo – ULB Erasme
6. Off-label indication of successful left atrial appendage closure
Grégoire Del Marmol; Auriane Ceulemans; Antoine De Meester; Eleonore Dourte; Caroline Lepièce - Centres Hospitaliers Jolimont; Adel Aminian – C.H.U. de Charleroi

7. Severe arrhythmias, heart failure and sudden cardiac death in Marfan and related heritable thoracic aortic diseases
Anthony Demolder; Laurence Campens; Julie De Backer; Laura Muiño Mosquera - UZ Ghent

8. Effects of catheter ablation on left atrial performance in different types of atrial fibrillation: strain study
Asim Katbeh - OLV ZH Aalst; Marzia Albano; Zsuzsanna Balogh; Tom De Potter; Peter Geelen; Konstantinos Iliodromitis; Martin Penicka; Evangelos Stefanidis; Guy Van Camp - Cardiovascular Center Aalst

9. Head-to-head Comparison between Leadless Device Micra versus Single Chamber Pacemaker Implantation at the University Hospital of Liège
Patrizio Lancellotti; Alexandre Delcour; Caroline Piette; Lieve Van Casteren - CHU Liège

10. Left Ventricle Mechanic and Function Assessed with Ballistocardiography and Seismocardiography Compared to Echocardiography
Sofia Morra; Damien Gorlier; Amin Hossein; Pierre-François Migeotte; Daniela Corina Mirica; Jérémy Rabineau; Philippe van de Borne - Hôpital Erasme

11. Ethnic differences in the normal electrocardiogram
Laura Simon; Sandra Verelst - KU Leuven

12. Anatomic predictors of late right inferior pulmonary vein reconnection in the setting of second generation cryoballoon ablation in the lessons from repeat procedure
Muryo Terasawa - Tokyo Medical University Hospital; Pedro Brugada; Gian Battista Chierchia; Carlo De Asmundis; Juan Sieira; Erwin Ströker; Kaoru Tanaka - Universiteit Ziekenhuis Brussel

Basic science

1. Quantifying absolute renal flow and resistance: a novel method based on continuous thermodilution
Sofie Brouwers; Iginio Colaio; Carlos Collet; Bernard De Bruyne; Giuseppe Di Gioia; Emanuele Gallinoro; Monika Kodeboina; Marc Vanderheyden - OLV ZH Aalst
2. Telemedicine by simple means in AFRICA: Effect of telephone follow-up on the quality of patient compliance: practical experience: INR-PR monitoring by social messaging platforms in Morocco, study about 200 patients
   Ali Chaib; Jaouad Nguadi; Meryem Bennani; Aatif Benyass; Nabil Berrada; Hicham Bouzelmate; Jamal Kheyi; Zouhair Lakhal; Maha Raissouni; Hajar Wartassi; Hicham Ziani - Heart center Mohammed V military hospital

3. Myocardial glycogen genetic depletion does not affect function recovery following I/R or progression of left ventricular remodeling in chronic MI
   Evangelos Daskalopoulos; Luc Bertrand; Cecile Dufeys; Sandrine Hormann – CARD, IREC, UCLouvain; Christoph Koentges - Heart Center, Freiburg University; Chistophe Beauloye - CARD, IREC, UCL Saint Luc; Heiko Bugger - Medical University of Graz; Kei Sakamoto - Nestlé Institute of Health Sciences SA

4. From the antiplatelet drug ticagrelor to antibiotics: a study of structure-activity relationships
   Nicolas Jacques; Cécile Oury; Eric Goffin; Lucia Musumeci; Bernard Pirotte; Patrizio Lancellotti - CHU Liège

5. Glycated Hemoglobin (HbA1c) Correlation with Severity of Thrombus Burden in Non-diabetic and Diabetic Patients with STEMI
   Ghazanfer Syed - National Institute of cardiovascular diseases, Pakistan

6. Comparison of Vascular Cell Adhesion Molecule-1 (VCAM-1) expression following stimulation with TNF alpha on human umbilical vein endothelial cells and EA.hy926 cells for atherosclerosis research
   Kathleen Thayse; Sophie Brogniet; Nadège Kindt; Alexandra Tassin - UMONS; Stéphane Carlier - CHU Ambroise Paré

7. Contrast media iodine concentration in the left ventricle affects the level of radiation-induced DNA damage during CCTA
   Toon Van Cauteren - VUB; Dries Belsack; Nico Buls; Johan de Mey; Steven Droogmans; Kristin Jochmans; Kaoru Tanaka; Gert Van Gompel - UZ Brussel; Veerle Kersemans - University of Oxford

Heart failure

1. Analytical performance of a new NT-pro BNP chemiluminescence immunoassay
   Christina Adamantidou; Damien Gruson; Mehdi Khourssaji; Michel Rousseau; Reza Soleimani - UCL Saint-Luc University hospital
2. **Role of a prediction score of heart failure with left ventricular preserved ejection fraction in the differential diagnosis of pulmonary hypertension**  
Idir-Yanis Djellal - Ambroise Paré; Celine Dewachter; Ana Roussoulieres; Jean Luc Vachiery - Erasme Hospital

3. **Real-life effect and eligibility of ARNI in Belgian HFrEF population**  
Isaline Demarcin; Caroline Weytjens; Bernard Cosyns; Steven Droogmans; Bram Roosens - UZ Brussel; Nico Van de Veire; Anne-Marie Willems; Johan De Sutter - AZ Maria Middelares Gent

4. **Risk assessment in pulmonary arterial hypertension treated with prostacyclins: a retrospective analysis**  
Renaud Dendievel; Jean-Luc Vachiéry; Céline Dewachter - Hôpital Erasme

5. **Heart failure management in Belgium: results from a cardiologist survey**  
Liesbeth Ghys; Michael Maris; Caroline Verheestraeten; Sandrine Wattel; Sara Kerckhofs; Julie Todoroff - Novartis Pharma; Laurence Gabriel - UCLouvain; Ward Heggermont - OLV Aalst; Alex Heyse - AZ Glorieux; Pieter Martens - ZOL Genk; Pierre Troisfontaines - CHR Citadelle Liège

6. **Efficiency of a multidisciplinary management program for heart failure: experience of a Belgian hospital**  
Benoit Robaye; Laurence Gabriel - CHU Dinant- Godinne

7. **Implementation of integrated care can reduce length of stay, all-cause 30-day readmissions and excess hospitalisations for heart failure in Belgium**  
Philippe Jr Timmermans; Paul Dendale; Robert Geukens; Hanne Goris; Marita Houbrechts; Mark Janssens; Dimitri Mondelaers; Najate Oussaïh; Jan Verwerft; Johan Vijgen - Jessa Ziekenhuis

8. **A case series of Left Impella-device as bridge from acute mitral regurgitation to MitraClip-procedure: a novel implementation of percutaneous mechanical circulatory support**  
Christophe Vandenbriele; Tom Adriaenssens; Tim Balthazar; Christophe Dubois; Kaatje Goetschalckx; Stefan Janssens; Bart Meyns - UZ Leuven; James Wilson; Francisca Caetano; Simon Davies; Stéphane Ledot; Susanna Price; Robert Smith - Royal Brompton Hospital
1. **Myocardial work in moderate to severe aortic versus primary mitral regurgitation**
   Maha Bouziane; Rachida Habbal, Sara Khaddi - Ibn Rochd University Hospital of Casablanca; Raluca Elena Dulgheru; Fabiana Cozza; Patrizio Lancellotti; Stella Marchetta - University Hospital of Liège

2. **Contrast-Enhanced Spectral Detector Computed Tomography in the detection of Myocardial Fibrosis: Comparison to Contrast-Enhanced Magnetic Resonance**
   Asefeh Defaaee; Berhard Gerber - Cliniques Universitaires Saint-Luc

3. **Additional prognostic value of pulmonary transit time by cardiac magnetic resonance in patients with heart failure and reduced ejection fraction. Comparison against right ventricular ejection fraction and feature tracking Global Longitudinal Strain**
   Laura Houard; Bernhard Gerber; Mihaela Amzulescu; Geoffrey Colin; Anne Catherine Pouleur; Michel Rousseau - Cliniques Universitaires Saint Luc; Helene Langet – Philips

4. **Differences in cardiac dimensions in mitral valve prolapse with or without Barlow phenotype**
   Victor Kamoen; Frank Timmermans; Simon Calle; Tine De Backer - UZ Gent

5. **Atrial strain performance in patients with paroxysmal atrial fibrillation undergoing successful radio-frequency catheter ablation**
   Asim Katbeh - OLV ZH Aalst; Marzia Albano; Zsuzsanna Balogh; Tom De Potter; Stefanidis Evangelos; Peter Geelen; Konstantinos Ilidromitis; Martin Penicka; Guy Van Camp - Cardiovascular Center Aalst

6. **Acute change in left atrial strain performance in patients with atrial fibrillation undergoing catheter ablation: A comparison of two vendors**
   Asim Katbeh - OLV ZH Aalst; Martin Penicka - Cardiovascular Center Aalst

7. **Clinical impact of computed tomography coronary angiography without exclusion of small coronary artery segments: a real-world and long-term clinical study**
   Yannick Logghe - Antwerp University Hospital; Carlos Van Mieghem - AZ Groeninge; Piet Vanhoenacker; Olivier Bladt; Erik Kersschot; Philip Simons; Lieven Van Hoe - OLV ZH Aalst
8. **Prediction of postoperative left ventricular remodelling after aortic valve repair for severe aortic regurgitation: a CMR tagging strain study**  
Stéphanie Seldrum - CHU UCL Namur site Godinne

9. **Severe mitral regurgitation: are strain parameters at stress helpful to predict postoperative left ventricular recovery?**  
Stéphanie Seldrum - CHU UCL Namur site Godinne; Bernhard Gerber - UCL Saint-Luc

10. **Predictive value of coronary CT angiography in coronary artery disease**  
Martijn Scherrenberg - Jessa Hospital; Heleen Scherrenberg; Joren Schoutede; Lotte Van Droogenbroeck; Marie Vandewinkel - Hasselt University

**Invasive/Interventional cardiology**

1. **Percutaneous closure of PFO in patients with reduced oxygen saturation at rest and during exercise: short and long-term results**  
Céline De Cuyper; Tristan Pauwels; Michel De Pauw; Daniël De Wolf; Eric Derom - UZ Gent; An Van Berendonck; Bernard Paelinck - UZ Antwerpen; Gaëlle Vermeersch; Paul Vermeersch - ZNA Middelheim

2. **Coronary angiography should be performed in all cardiac arrest survivors: a retrospective study**  
Alisson Slimani; Antoine de Meester; Claudiu Ungureanu; Eleonore Dourte; Marie Gilbert; Olivier Descamps - CH Jolimont

3. **Long-term valve durability after TAVR, using the Medtronic CoreValve: a single centre analysis**  
Nicolas De Sutter; Kwinten De Vos; Juul Meurs - Universiteit Antwerpen; Johan Bosmans; Bernard Paelinck; Inez Rodrigus; Tom Vandendriessche - UZ Antwerpen

4. **The impact of revascularisation of coronary total occlusions on the recurrence rate of ventricular arrhythmias**  
Ward Eertmans; Joren Maeremans - Ziekenhuis Oost-Limburg; Yoann Bataille - Jessa Ziekenhuis; Ruben Pauwels; Johan Bennett - UZ Leuven; Jo Dens; Ief Hendrickx - Ziekenhuis Oost-Limburg

5. **A word of caution about magnesium-based bioresorbable stents in Acute Coronary Syndrome**  
Chadi Ghafari; Nicolas Brassart; Philippe Brunner; Stéphane Carlier; Philippe Delmote; Kathleen Thayse - CHU Ambroise Paré
6. **Afterload mismatch after MitraClip implantation: intraoperative assessment and prognostic implications**  
Siddharth Jogani - Virga Jesse ZH Hasselt; Marc Claeys; Dina De Bock; Hei Heidbuchel; Pieter Mertens; Bernard Paelinck; Caroline Van De Heyning - UZ Antwerpen

7. **Determinants of prehospital days in the management of STEMI**  
Erwin Schroeder; Emmanuel Morandini; Benoît Dangoisse; Mihaela Vasile; Vincent Dangoisse; Diana Darii; Louis De Canniere; Alain-Michel Dive; Frédéric Feye; Frédéric Foret; Amel Gorani; Antoine Guedes; Claude Hanet - CHU UCL Namur

8. **Graft Patency and Progression of Coronary Artery Disease after CABG Assessed by Angiography-Derived Fractional Flow Reserve**  
Jeroen Sonck; Carlos Collet; Bernard De Bruyne - OLV ZH Aalst; Daniele Andreini; Carlo Gigante - Centro Cardiologico Monzino; Takuya Mizukami; Sakura Nagumo - Showa University Fujigaoka

**Onco – cardiology**

1. **Involvement of oxLDL in the biology of head and neck cancer cell lines**  
Ndége Kindt; Sven Saussez; Stéphane Carlier; Fabrice Journé - Université de Mons

2. **Young woman with HER2–positive advanced breast cancer receiving long-term trastuzumab despite moderate left ventricular dysfunction**  
Marie Moonen; Guy Jerusalem; Patrizio Lancellotti; Andrée Rorive - University of Liège

**Other**

1. **Screening for patent foramen ovale pre foam sclerotherapy**  
Lilaf Abdulmajid; Irma Boon; An Van Berendoncks; Chantal Vandenbroeck - Antwerp University

2. **Prevalence of suspected familial hypercholesterolemia in patients with acute coronary syndrome**  
Claire Baufays; Antoine de Meester; Olivier Descamps; Marie Gilbert - Centres Hospitaliers Jolimont

3. **Is cholesterol of patients presenting an acute coronary syndrome correctly treated in real life?**  
Laurent Biquet; Olivier Van Caenegem; Sophie Pierrard; Christophe Beauloye - Cliniques Universitaires St.-Luc
4. **Outcome of arterial switch operation for transposition of the great arteries. A 35-year follow-up study**
Werner Budts; Béatrice Santens; Alexander Van De Bruaene; Els Troost; Jan Bogaert; Pieter DE Meester; Marc Gewillig - UZ Leuven; Piet Clause - KU Leuven

5. **Maternal, fetal and obstetric outcome in patients with thoracic aortic disease: an ancillary analysis of the ROPAC registry**
Laurence Campens; Julie De Backer - Ghent University Hospital; Jolien Roos-Hesselink; Lucia Baris - Erasmus MC

6. **High wattage vaping shifts urine metabolome toward a healthier profile: a randomized crossover study**
Martin Chaumont - Erasme ULB; Jean-Marie Colet; Vanessa Tagliatti - Mons University; Philippe van de Borne; Alain Van Muylem; El Mehdi Channan - ULB

7. **Serum proteome and high wattage e-cigarette vaping: a randomized crossover study**
Martin Chaumont; David Communi; El Mehdi Channan; Julien Ducloy; Philippe van de Borne – Erasme ULB

8. **The influence of statin therapy on procarboxypeptidase U (proCPU, TAFI, proCPB2) biology in patients eligible for statin therapy: a proof of concept observational study**
Karen Claesen; Ingrid De Meester; Dirk Hendriks; Joachim Mertens - University of Antwerp; Johan Bosmans – University Hospital Antwerp; Hilde Stoffelen; Simon De Belder; Jeroen Maes - Group Epione

9. **Impact of adequate anticoagulation on functional outcome in stroke patients with known atrial fibrillation**
Jeroen Dauw; Jelle Demeestere; Stefan Janssens; Robin Lemmens; Thomas Vanassche; Rik Willems - UZ Leuven

10. **Anemia & myocardial infarction: heart breaker or partner in crime?**
Charlotte Debaille; Laurent Boon; Antoine De Meester; Olivier Descamps; Marie Gilbert; Claudiu Ungureanu - Centre hospitalier de Jolimont

11. **Lipoprotein (a), an additional risk factor for the occurrence of cardiovascular events in high-risk patient groups with monogenic familial hypercholesterolemia, polygenic familial hypercholesterolemia or type 2 diabetes**
Grégoire del Marmol; Ysar Aksel; Olivier Descamps - Centre Hospitaliers Jolimont
12. **Real-life experience with idarucizumab for dabigatran reversal in emergency situations during 3 years in a single Belgian hospital**
Antoine de Meester; Damien Badot; Suzanne Chabert; Joelle De Coninck; Olivier Godefroid; Natasha Honore; Caroline Lepièce - Groupe Jolimont

13. **An Evaluation of the Feasibility and Cost of FH Cascade Screening in Belgium (BEL-CASCADE) including a Novel Rapid Rule Out Strategy**
Olivier Descamps - Centres Hopsitaliers Jolimont; Antoine Bondue - Hôpital Erasme, Université Libre de Bruxelles; Ian Buysschaert - Algemeen Stedelijk Ziekenhuis; Stephane Carlier; Pascal Godart - CHU Ambroise Paré; Fabien Chenot; Fabienne Lienart; Jean-Philippe Lengele - Grand Hôpital de Charleroi Ides Michel Colin - CHR Mons-Hainaut; Herbert De Raedt - Onze-Lieve-Vrouw Ziekenhuis; Johan De Sutter - Algemeen Ziekenhuis Maria Middelaes; Ivan Elegeert - Algemeen Ziekenhuis Groeninge; Alain Friart - CHU Tivoli; Michel Guillaume - CHU de Charleroi; Anja Laporte - SANOFI Belgium; Ann Mertens - University Hospitals Leuven; Ernst Rietzschel - University Hospital Ghent & Ghent University; Philippe Van de Borne; Philippe Vanderheeren - Sint-Andriesziekenhuis; Hans Vandeckerckhove; Gunther Maudens - Algemeen ziekenhuis Sint-Lucas

14. **Familial hypercholesterolemia: A real life experience with anti- psk9 with adult patients in Belgium**
Audrey Guilmot; Marie Philippart; Olivier Descamps - La Louvière; Gaëlle Sablon; Eric Tarantino - Centres Hospitaliers Jolimont

15. **Biotin interference with cardiac biomarkers: Impact, detection and prevention**
Mehdi Khourssaji; Christina Adamantidou; Catherine Fillée; Damien Gruson; Samy Mzougui; Anke Stoefs - UCL Saint-Luc University Hospital

16. **Neutrophil Dynamics in Acute Coronary Syndrome**
Patrick Marechal; Arnaud Benoit; Patrizio Lancellotti; M Nguyen; Julien Tridetti - Liège University Hospital; Anne-Françoise Donneau; Maxime Gustin; Zheshen Jiang; Odile Wéra; Cécile Oury - University of Liège

17. **Isolated Diastolic Hypotension (IDH): a new cardiovascular risk factor in chronic hemodialysis, a study of 85 cases over a period of 9 years**
Jaouad Nguadi - Heart Center Mohammed V military hospital; Hicham Ziani; Hicham Bouzelmate - Cardivascular reanimation
18. **Soluble glycoprotein VI and flow-gradient pattern in aortic stenosis**
   Anne-Françoise Donneau; Cécile Oury; Laurence Servais; Zheshen Jiang; - University of Liège; Elizabeth Gardiner; Samantha Montague - The Australian National University; Stella Marchetta; Adriana Postolache; Christophe Martinez; Patrick Marechal; Muriel Sprynger; Patrizio Lancellotti - CHU Liège

19. **Effect of a center-based weight reduction program on weight loss in obese patients**
   Martijn Scherrenberg - Jessa Hospital

20. **Prevalence and nature of genetic mutations identified in patients with cardiac diseases referred to a specialised consultation**
    Anne-Françoise Gillardin; Agnès Pasquet; Alexandre Persu; Anne-Catherine Pouleur; Bernhard Gerber Christophe Vo; Christophe Beauloye; Christophe Scavée; Jean-Baudouin Van Leeuw; Jean-Benoît Le Polain de Waroux; Sébastien Marchandise; Yves Sznajer - Cliniques Universitaires Saint-Luc

21. **Longitudinal strain is impaired in tightly-controlled T2DM during both resting state and exercise**
    Dominique Hansen; Lisa Van Ryckeghem; Virginie Bito - Hasselt University; Elise Bakelants; Paul Dendale; Ines Frederix; Lieven Herbots; Thibaut Pétit; Elvire Verbaanderd; Jan Verwerft - Jessa ziekenhuis Hasselt

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PRACTICAL INFORMATION

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