Dear colleagues, dear friends,

It is my great pleasure as president of the BSC, to welcome you to the 38th Annual Congress of the Belgian Society of Cardiology.

The annual meeting of the BSC is your meeting. It will offer you the opportunity to gather together in central Brussels for 2 days of intensive education and networking and meet renowned experts in their specialities.

The overall theme of this edition is: "Modern cardiology in the picture"

Cardiology is pre-eminently a discipline with ongoing scientific and technological discoveries resulting in new diagnostic and therapeutic paradigms, which need to be implemented in daily practice. In addition, our way of working will undergo profound changes in view of the pending legislation on hospital networking.

The congress programme will cover all different aspects of modern cardiology and we aim to increase the interactivity between the audience and the experts.

What can you expect in the 38th edition of the BSC Congress ?

• Dedicated BSC Working Group sessions, with best abstract presentations highlighting new information of the different cardiac subspecialities.
• The ESC-BSC joint session will not only present but also challenge the new guidelines on myocardial revascularisation.
• The keynote lecture on Thursday will put the Belgian clinical practice into perspective of the European cardiological practice (ATLAS, Prof Gale, UK).
• Socio-economical sessions will cover organizational and economic aspects of the cardiology-profession.
• Laureate lectures and awards ceremony; Best Poster, Young Investigator, two Belgian Heart Foundation research prizes.

• Industry-supported satellite symposia will give the floor to high-level international speakers, presenting different cardiologic topics.
• The “Clash of the Titans”, will be a lively knowledge competition between teams and the audience.

We design this annual meeting to meet your expectations and 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 BSC congress is “the place to be” on 7th and 8th February 2019!

With enthusiastic and kind regards,

Prof Dr Marc Claeys, MD, PhD
President of the Belgian Society of Cardiology
### COPPER HALL

**SESSION 1: Preventive Cardiology: what we should know!**

**Belgian Working Group on Cardiovascular Prevention and Rehabilitation (BWGPR)**

**Moderators:**
- Paul Dendale - UZ Hasselt, BE
- Johan De Sutter - AZ Maria Middelarische Ghent, BE

**Lipid control after an ACS, what should we know?**

Olivier Descamps - Jolimont Hospital, BE

**The tobacco paradox & the e-cigarette hype**

Isabelle Jamin - CHR Citadelle, BE

**Arterial hypertension management: ESC Guidelines 2018 update**

Raymond Kacenelenbogen - CHU Saint-Pierre Brussels, BE

**Best abstract presentation:**

PATHway-I: feasibility and preliminary efficacy of a technology-enabled home-based cardiac rehabilitation system

Roselien Buys - KU Leuven, BE

**Coffee break**

**Session 3: Keynote session “Modern cardiology in the picture”**

**Moderators:**
- Marc Claeyys - UZ Antwerp, BE
- Patrizio Lancellotti - CHU Sart Tilman Liège, BE

**Word of the President**

Marc Claeyys - UZ Antwerp, BE

**Is cardiology practice different in Belgium as compared to Europe: insights from the ESC-ATLAS project**

Chris Gale - Leeds University, UK

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### SILVER HALL

**09:00 - 10:15**

**SESSION 2: Sense of Urgency in CHF: Is there any barrier to optimize therapy of NYHA II patients?**

Satellite Symposium organised by Novartis

**Moderators:**
- Pierre Troisfontaines - CHR Citadelle Liège, BE
- Michel De Pauw - Ghent University Hospital, BE

**Part 1:**

**Back to the future: Key learnings in the treatment of heart failure** -

Jean-Luc Vachiery - Erasme University Hospital, BE

**Part 2:**

**Panel discussion: Hyde Park Speaker’s Corner** -

Burning issues in implementing HF therapies

Jean-Luc Vachiery - Erasme University Hospital, BE

**10:15 - 10:45**

**Best abstract presentation:**

PATHway-I: feasibility and preliminary efficacy of a technology-enabled home-based cardiac rehabilitation system

Roselien Buys - KU Leuven, BE

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**DOWNLOAD CONFERENCES – BY CC APP TO ACCESS BSC 2019!**
**COPPER HALL**

11:30 - 12:45  
**Session 4: Percutaneous treatment options for stable coronary disease**  
Belgian Working Group on Interventional Cardiology (BWGIC)

**Moderators:**  
Walter Desmet - UZ Leuven, BE  
Claude Hanet - CHU-UCL Namur, BE

- **The patients with stable CAD: long term outcomes**  
  Bernard De Bruyne - OLV Aalst, BE

- **The importance of complete revascularization**  
  Adel Aminian - CHU Charleroi, BE

- **PCI for CTO: which are the good indications?**  
  Jo Dens - ZOL Genk, BE

**Best abstract presentation:**  
Temporal trends in 10 years of transcatheter aortic valve implantation: 30-day outcomes in a single Belgian center  
Henri Gruwez - UZ Leuven, BE

12:45 - 12:45  
**Lunch**

**Session 6: Best Poster Competition**

**SILVER HALL**

11:30 - 12:45  
**Session 5: How evidence based is your medicine in cardiovascular risk management anno 2019?**  
Satellite Symposium organised by Servier

**Moderators:**  
Luc Missault - AZ Sint-Jan Bruges, BE  
Patrizio Lancellotti - CHU Sart Tilman, BE  
Philippe Van de Borne - Erasme Hospital Brussels, BE

- **From guidelines to evidence-based clinical practice**  
  Krzysztof Narkiewicz - Medical University of Gdansk, PL

- **Are all diuretics equivalent?**  
  Claudio Borghi - University of Bologna, IT

- **Bradykinine and cardiovascular protection**  
  Arnaud Ancion – CHU Sart Tilman, BE

12:45 - 12:45  
**Session 7: The changing face of cardiovascular risk management**  
Lunch Satellite Symposium organised by Boehringer Ingelheim

**Moderators:**  
Rik Willems - UZ Leuven, BE  
Georges Mairesse - Cliniques de Sud Luxembourg, BE

- **Anticoagulation, bringing it all together in clinical practice**  
  Peter Sinnaeve - UZ Leuven, BE

- **Past, present & future of SGLT2-inhibitors**  
  Thomas Vanassche – UZ Leuven, BE

**Conclusions**  
Georges Mairesse - Cliniques de Sud Luxembourg, BE
COPPER HALL

13:45 - 15:00  Session 8: Invasive management in the elderly - How far should we go
Young Cardiologists Club (YCC)
Moderators:
Fabian Demeure - UCL St-Luc, BE
Ward Heggermont - OLV Aalst, BE

Coronary artery disease
Benjamin Scott - ZNA Middelheim, BE

Valvular heart disease
Simon Sundermann - Charité University Hospital Berlin, BE

Best abstract presentation:
Real-world usage of glucose lowering agents in heart failure patients with type 2 Diabetes
Pieter Martens - Ziekenhuis Oost Limburg, BE

15:00 - 16:15  Session 10: Cardiovascular Imaging in Stroke
Belgian Working Group on Non-invasive Cardiac Imaging (BWGNICI)
Moderators:
Bharati Shivalkar - U Antwerp, BE
Bernhard Gerber - UCL St-Luc Brussels, BE

Is TEE necessary after every ischemic stroke?
What the neurologist wants to know!
André Peeters - UCL St-Luc Brussels, BE

Atrial function analysis after stroke? Are there functional markers of AF?
Ariel Cohen - St-Antoine Hospital Paris, FR

Role of multimodality imaging in stroke?
Do we need complex imaging techniques?
Philippe Debonnaire - AZ Saint-Jan, BE

Best abstract presentation:
Impaired biventricular contractile reserve in patients with diastolic dysfunction
Mathias Claeys - UZ Leuven, BE

SILVER HALL

13:45 - 15:00  Session 9: From atrial fibrillation to stable coronary and peripheral arterial disease: how to optimize anticoagulation treatment for high risk patients?
Satellite Symposium organised by Bayer
Moderators:
Peter Sinnaeve - UZ Leuven, BE
Patrizio Lancellotti - CHU Sart Tilman, BE

Are NOACS a better treatment option for AF-patients with (declining) chronic kidney function?
Rogier Caluwé - OLV Aalst, BE

When to combine antiplatelet and anticoagulant agents?
Christophe Beauloye - UCL St-Luc, BE

15:00 - 16:15  Session 11: Pregnancy: when the heart matters...
Belgian Working Group on Adult Congenital Heart Disease (BWGACHD)
Moderators:
Agnès Pasquet - UCL St-Luc, BE
Marielle Morissens - CHU Brugmann, BE

Hemodynamic changes during pregnancy: what should we worry about?
Els Troost - UZ Leuven, BE

Heart diseases and pregnancy: what's new in the guidelines?
Jolien Roos-Hesselink - Erasmus Medical Center Rotterdam, NL

Assessing the transmission risk for cardiac conditions: how and when to counsel?
Julie De Backer - UZ Ghent, BE

Best abstract presentation:
Quality of life after surgical and transcatheter aortic valve replacement in patients and their informal caregivers: real-world data contributing to establish value-based medicine in East Denmark
Liesbeth Rosseel - Rigshospitalet, DK
**PROGRAMME**
**THURSDAY 7**th** FEBRUARY 2019**

16:15 - 16:30  Coffee break

16:30 - 17:30  **Session 12: CLASH OF THE TITANS**  
“The Revenge”

**Moderators:**
Patrizio Lancellotti - CHU Sart Tilman, BE  
Bernard Cosyns - UZ Brussels, BE

**Jury:**
Marc Claeya - UZ Antwerpen, BE  
Agnès Pasquet - UCL St-Luc Brussels, BE  
Guy Van Camp - Cardiovascular Centre OLV Aalst, BE

Team Beers VS Team Wines

17:30 - 18:30  Networking Cocktail event with DC Trio - Jazzy Cardiology
### Programme

#### Friday 8th February 2019

**Copper Hall**

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<thead>
<tr>
<th>Time</th>
<th>Session 13: YIA presentations</th>
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<tr>
<td>08:00 - 09:00</td>
<td>Registration &amp; welcome coffee</td>
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<td>09:00 - 10:15</td>
<td><strong>Jury:</strong></td>
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<td></td>
<td>Antoine Bondue - Erasmus Hospital Brussels, BE</td>
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<td>Ward Heggermont - OLV Aalst, BE</td>
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<td>Richard Schilling - St Barts Hospital London, UK</td>
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<td><strong>Identification and etiology of high-risk CV patients:</strong></td>
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<td>Christophe Beauloye - UCL St-Luc, BE</td>
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<td><strong>Platelet acetyl-CoA carboxylase phosphorylation: a risk stratification</strong></td>
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<td>marker evidencing platelet-lipid interplay in CAD patients</td>
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<td>Shakeel Kautbally - UCLouvain, BE</td>
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<td><strong>An exercise hemodynamic evaluation of the acute and chronic effects of CRT on right ventricular-arterial coupling and pulmonary vascular reserve.</strong></td>
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<td>Pieter Martens - Ziekenhuis Oost Limburg, BE</td>
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<td><strong>Phenotyping heart failure with preserved ejection fraction: focus on fibrosis markers (Extracellular volume by cMR and biomarkers) and their prognostic impact.</strong></td>
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<td>Clotilde Roy - UCL St-Luc, BE</td>
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<td><strong>Laureate's presentation of the Jacqueline Bernheim prize 15’</strong></td>
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<td>Guido Claessen – KU Leuven, BE</td>
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<td>10:15 - 10:45</td>
<td><strong>Coffe break - BSC &amp; Acta Cardiologica General Assembly (BSC Members only)</strong></td>
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**Silver Hall**

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<tr>
<th>Time</th>
<th>Session 14: The trilogy of patients at high cardiovascular risk Satellite Symposium organised by AstraZeneca</th>
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<tr>
<td>09:00 - 10:15</td>
<td><strong>Moderators:</strong></td>
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<td>Patrick Coussement - AZ Sint-Jan Bruges, BE</td>
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<td>Sofie Gevaert - UZ Gent, BE</td>
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**8th February 2019**

**Registration & welcome coffee**
SESSION 15: UPDATE ON AF ABLATION

Belgian Heart Rhythm Association (BeHRA)

**Moderators:**
Ivan Blankoff - CHU Charleroi, BE
Yves Vandekerckhove - AZ Sint-Jan Brugge, BE

**Catheter ablation in patients with atrial fibrillation: the evidence anno 2019**
Richard Schilling - St Barts Hospital London, UK

**Medical therapy after catheter ablation for atrial fibrillation**
Sébastien Krecht - AZ Sint-Jan Brugge, BE

**Best abstract presentation:**
The detrimental effect of right atrial pacing on left atrial function and clinical outcome in cardiac resynchronization therapy
Pieter Martens - Ziekenhuis Oost Limburg, BE

SESSION 17: CASE BASED CHALLENGING OF THE NEW ESC GUIDELINES ON MYOCARDIAL REVASCULARISATION

BSC-ESC Joint Session

**Moderators:**
Marc Claeyts - UZ Antwerp, BE
Agnès Pasquet - UCL St-Luc Brussels, BE

**Case based challenging of the new ESC guidelines on myocardial revascularisation**
Franz-Josef Neumann, University Heart Center Freiburg, DE

**BSC Awards Ceremony**
BSC Research Grants, Best Poster Award, Best Young Investigator Award
## Session 18: LNOACs and frail populations: more is less
Lunch Satellite Symposium organised by BMS/Pfizer

**Moderator:**
- Georges Mairesse - Cliniques du Sud Luxembourg, BE
- Bernard Cosyns - UZ Brussel, BE

**Polymedicated elderly patients**
- Olivier Hanon - Hôpital BROCA Paris, FR

**Other frail patients (e.g. worsening renal function, ...)**
- Menno Huisman - LUCM Leiden, NL

## Session 19: Acute coronary syndrome (without significant coronary lesions)
Belgian Interdisciplinary Working Group on Acute Cardiology (BIWAC) & Belgian Working Group Cardio Vascular Nursing (BWGCVN)

**Moderators:**
- Patrick Coussement - AZ Sint-Jan Brugge, BE
- Eva Goossens - UZ Leuven, BE

**Triage of chest pain: role of the ER nurse**
- Alexandre Ghuysen - CHU Sart Tilman, BE

**Early detection and management of complications in the ICCU**
- Hannah Schaubroeck - UZ Gent, BE
- Filip Haegdorens - UZ Antwerp, BE

**Spontaneous coronary artery dissections, a practical guide**
- Alexandre Persu - UCL St-Luc Brussels, BE

**State of the art on MINOCA**
- David Adlam - Leicester University, UK

**Best abstract presentation:**
- Time quality indicators for ST elevation myocardial infarction and relation to in hospital mortality: results from the Belgian STEMI database
  - Marc Claeyts - UZ Antwerp, BE

## Session 20: HF and cardiac research in the picture
Joint session Belgian Working Group on Heart Failure (BWGHF) & Belgian Working Group Basic Research in Cardiology (BWGBRC)

**Moderators:**
- Pierre Troisfontaines - CHR Citadelle, BE
- Philippe Timmermans - Jessa Ziekenhuis, BE

**Cardiovascular “omics” in heart remodelling**
- Manuel Mayr - King’s College London, UK

**How to treat acute heart failure?**
- Matthias Dupont - ZOL Genk, BE

**Artificial heart today**
- Walter Drooghe - UZ Leuven, BE

**New in HF**
- Anne-Catherine Pouleur - UCL St-Luc Brussels, BE

**Cardio-oncology**
- Lucas Van Aelst - UZ Leuven, BE

**Best abstract presentation:**
- Cardiac fibroblast specific invalidation of AMPK alpha1 exacerbates left ventricular remodeling in mice via a Connexin43 mechanism
  - Evangelos-Panagiotis Daskalopoulos – UCLouvain, BE
"The 38th Annual Congress of the Belgian Society of Cardiology, Brussels, Belgium, 07/02/2019-08/02/2019 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 11 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity."

"Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 CreditsTM. Information on the process to convert EACCME® credit to AMA credit can be found at www.ama-assn.org/education/earn-credit-participation-international-activities."

"Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada."

**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, research and educational grants will be awarded.

**ACTIVITIES**

The Belgian Heart Foundation will organize yearly calls for different prizes and grants. Following awards and grants will be launched, but pending on the income of sponsorship, the number and the content of these can be augmented.

**PRIZES:**

- Young Investigators Award (£6,500)
- Best poster award (£1,000)

**RESEARCH GRANTS:**

- Doctor Léon Dumon prize, bi-annual (£40,000)
- BSC research grant (£20,000/£15,000)

**EDUCATIONAL GRANTS:**

- Entrance, travel and accommodation grants for congresses and events (ESC Congress).

More information on BHF: www.belgianheartfoundation.be
POSTERS
All posters invited for digital poster display can be found in the DELVAUX foyer (see exhibition floorplan).

BEST POSTERS
The best poster competition will take place on Thursday 7th February 2019, session 6, Copper Hall, from 12:45. Do not miss the awards ceremony on Friday 8th February 2019, session 17, Copper Hall at 12:00.

POSTERS ON DISPLAY
Note: Best posters are indicated by an * in the list below.

ARRHYTHMIAS/DEVICE
1. *First results from ETNA AF-Europe: Initial experience with edoxaban in 1321 patients in Belgium
Carlos de Asmundis - UZ Brussel, BE; Frank Cools - AZ Klina, BE; Tom De Sutter - OLV Aalst, BE; Tom Rossenbacker - Imelda Ziekenhuis, BE; Tom Sarens - AZ Sint Blasius, BE; Filip Vansteckelman - AZ Sint Elisabeth, BE; Ruben Casado Arroyo - Erasme Hospital, BE

2. Unifocal right-sided ablation for neurally mediated syncope and functional sinus node dysfunction
Philippe Debruyne; Tom Rossenbacker; Christine Collienne; Luc Janssens; John Roosen; Bart Vankelecom; Filip Charlier; Willem Dewilde - Imelldaziekenhuis, BE

3. Phenotypic variance of a SCN5A nonsense mutation in a familial transmission
Inès Dufour - Clinique Saint-Pierre, BE

4. Highly accurate detection of Dobutamine-induced hemodynamic changes by means of Kino-cardiography: a double-blind randomized cross-over placebo-controlled study
Amin Hossein (I); Daniela Corina Mirica (2); Jérémy Rabineau (I); José Ignacio Del Rio (2), BE; Damien Gorlier (I); Antoine Nonclercq (I); Pierre-François Migeotte (I); Philippe Van de Borne (2)
(1) ULB, BE, (2) Erasme Hospital, BE

5. Differential Presentation of AV Nodal Reentrant Tachycardia in athletes and non-athletes
Hielko Miljoen (I); Joris Ector (2 ); Christophe Garweg (2); Johan Saenen (I); Wim Huybrechts (I); Andrea Sarkozy (I); Rik Willems (2); Hein Heidbuchel (I)
(1) Antwerp University Hospital, BE, (2) University of Leuven, BE

6. *PACE study: pacemakers, atrial sensing changes during effort - a study on the behaviour of cardiac stimulators during standard stress tests
Michaël Nicolazzi; Dominique Blommaert; Fabien Dormal - CHU UCL Namur, BE

7. Long term effect of permanent/non-permanent atrial fibrillation on evolution of mitral/tricuspid valve regurgitation
Lobke Pype; Laura Embrechts; Barbara Cornez; Carl Van Paesschen; Hielko Miljoen; Andrea Sarkozy; Johan Saenen; Paul Van Herck; Hein Heidbuchel; Marc Claeys - UZA, BE

8. Early discharge possible for majority of vernakalant-treated patients from the emergency room after successful cardioversion of acute atrial fibrillation
Hugues Verloove; Hans Vandekerckhove - Algemeen Ziekenhuis Sint-Lucas, BE

9. Increasing incidence of cardiac device related endocarditis over the past ten years: a single center analysis
Andrew Vervaecke; Geert Van de Vyver; Benjamin Scott; Paul Vermeersch - ZNA Middelheim, BE

BASIC SCIENCE
1. Potential involvement of the IL-33/ST2 axis in the pathogenesis of Tatosubo Syndrome
Ahmad Awada; Philippe Unger - CHU Saint-Pierre Brussels, BE

2. Effects of air-related environmental stressors on Takotsubo cardiomyopathy
Ahmad Awada (1); Philippe Collart (2); Thierry De Vos (3); Philippe Unger (I); Jean-François Argacha (4)
(1) CHU Saint-Pierre Brussels, BE, (2) ULB, BE, (3) Brussels Institute for Management of the Environment, BE, (4) AZ VUB, BE

3. Contribution of sodium myo-inositol transporter 1 (SMIT1) and myo-inositol transport in the regulation of cardiac fibrosis and the physiopathology of heart failure: MIHEART research project
Sylvain Battault (1); Julien Cumps (1); Cécile Dufey (1); Audrey Ginion (1); Anne Van Steenbergen (1); Luc-Marie Jacquet (1), BE; Alexandra Furtos (2); Christine Des Rosiers (2); Clotilde Roy (1); Anne-Catherine Pouleur (1); Luc Bertrand (I); Sandrine Horman (1); Christophe Beauloye (1)
(1) UCL, BE (2) Université de Montréal, CA

4. Diabetic cardiomyopathy, the role of protein acetylation in early stage development
Laurent Bultot; Luc Bertrand; Edith Renquet; Marine De Loot; Audrey Ginion; Sandrine Horman; Christophe Beauloye - UCL, BE

5. Moderate intense exercise as a new therapeutic strategy to tackle congestion in heart failure
Jirka Cops (1); Sibren Haesen (1); Lien Lijnen (1); Inez Wens (2); Lieselotte Lemoine (1); Bart De Moor (3); Carmen Reynonders (4); Joris Penders (4); Wilfried Mullens (4); Dominique Hansen (1)
(1) Hasselt University, BE, (2) Antwerpen University, BE, (3) Jessa Ziekenhuis, BE, (4) Ziekenhuis Oost-Limburg, BE
6. Depletion of cardiac glycogen content leads to improved cardiac remodeling in a mouse MI model
Evangelos-Panagiotis Daskalopoulos (1); Cecile Dufey (1); Kei Sakamoto (2);
Christophe Beauloye (1); Luc Bertrand (1); Sandrine Herman (1)
(1) UCL, BE, (2) Nestlé Institute of Health Sciences SA, CH

7. A new possible way to reverse cardiac hypertrophy development: the inhibition of O-GlcNAcylation
Justine Doutaine; Luc Bertrand; Florence Mailleux; Roselle Gélianas; Audrey Ginion; Laurent Bultot; Christophe Beauloye; Sandrine Herman - UCL, BE

8. Contribution of SGLTI on glucose uptake and metabolism
Laura Ferté (1); Laurent Bultot (1); Sylvain Battault (1); Anne Van Steenbergen (1); Audrey Ginion (1); Sandrine Herman (1); Hermann Koepsell (2); Luc Bertrand (1); Christophe Beauloye (1)
(1) UCL, BE, (2) University of Würzburg, DE

9. The ACC inhibitor TOFA decreases platelet mitochondrial function and thrombin-induced activation
Marie Octave (1); Lauret Bultot (1); Sylvain Battault (1); Victor Darley-Usmar (2); Luc Bertrand (1); Christophe Beauloye (1); Sandrine Herman (1)
(1) UCL, BE (2) University of Alabama at Birmingham, USA

10. Protein acetylation, a new process involved in the inhibition of glucose metabolism in diabetic heart
Edith Rengue; Laurent Bultot; Marine De Loof; Audrey Ginion; Sandrine Herman; Christophe Beauloye; Luc Bertrand - UCL, BE

11. Pericardial diseases and cancer: a multi-center retrospective study
Raphael Soetens; Marie Gilbert; Olivier Descamps; Antoine De Meester - Jolimont, BE

12. Fe-based bioresorbable alloy inhibits platelet activation
Carole Verhaegen; Sophie Lepropre; Marine Octave; Shakeel Kautbally; Aude Thomas; Sarah Reuter; Elenora Scarcello; Dominique Lison; Luc Bertrand; Laurent Delannay; Pascal Jacques; Christophe Beauloye; Sandrine Herman; Joëlle Kefer; Maïté Croonenborghs - UCL, BE

HEART FAILURE
1. Angioplasty with stenting in acute coronary syndromes with very low contrast volume (<30ml) using Cordis diagnostic catheters and improved cardiovascular and renal outcomes
Mark Arokiaraj - Pondicherry Institute of Medial Sciences, IN

2. 2D-RV speckle tracking predicts mortality with higher additional value than cMR-derived-RVEF in HF-rEF
Laura Houard; Mihaela Amzulescu; Anne Catherine Pouleur; David Vancraeyenest; Agnes Pasquet; Jean Louis Vanoverschelde; Bernhard Gerber - Cliniques universitaires Saint-Luc, BE

3. Influence of Chagas cardiomyopathy in the prognosis of patients with decompensated heart failure
Victor Issa; Silvia Ayub; Paulo Chizzola; Silvia Lage; Edimar Bocchi - São Paulo University Hospital, BR

4. Course of patients with cardiogenic shock supported with intra-aortic balloon counterpulsation
Victor Issa; Silvia Ayub; Silvia Lage; Edimar Bocchi - São Paulo University Hospital, BR

5. Influence of increasing age in hospital readmission and mortality rate at 180 days in patients hospitalized for decompensated heart failure
Victor Issa (1); Rafael Lloret (2); Barbara Tamburim (2); Felix Ramires (2); Carolina Amorim (2); Semeia Corral (2)
(1) São Paulo University Hospital, BR, (2) Hospital do Coração (HCOR) de São Paulo, BR

6. Influence of renal dysfunction on the increase in rehospitalization rates and mortality at 180 days in patients hospitalized for decompensated heart failure
Victor Issa (1); Rafael Lloret (2); Barbara Tamburim (2); Carolina Amorim (2); Semeia Corral (2); Felix Ramires (2)
(1) São Paulo University Hospital, BR, (2) Hospital do Coração (HCOR) de São Paulo, BR

7. Pulmonary hypertension does not influence outcome following implantation of a left-ventricular assist device
Simon Lagrue; Ana Roussoulieres; Celine Dewachter; Asma Rimouche; Pierre Cullus; Jean Luc Vachiery - Erasme Hospital, BE

8. Sacubitril/valsartan reduces ventricular arrhythmias and appropriate ICD-interventions in heart failure with reduced ejection fraction
Pieter Martens; Matthias Dupont; Wilfried Mullens - Ziekenhuis Oost Limburg, BE

9. The optimal plasma volume status in heart failure in relation to clinical outcome
Pieter Martens; Petra Nijs; Matthias Dupont; Wilfried Mullens - Ziekenhuis Oost Limburg, BE

10. Indications and diagnostic yield of endomyocardial biopsies for unexplained cardiomyopathy
Pieter Martens; Jobbe Ramaekers; Joyce Janssens; Matthias Dupont; Wilfried Mullens - Ziekenhuis Oost Limburg, BE

11. sST2 and mortality in acute heart failure
Ruben Pauwels (1); Hans Vandekerckhove (2); Hendrik De Puydt (2)
(1) UZ Gent, BE, (2) AZ Sint-Lucas Gent, BE

12. Idarucizumab for the reversal of dabigatran in patients undergoing heart transplantation
Jan Van Keer - UZ Leuven, BE
13. Functional mitral regurgitation in pts with HFrEF, HFrEF and HFpEF: the good, the bad and the ugly?
Marc Vanderheyden; Thomas Castelein; Jozef Bartunek; Monika Beles; Martin Penicka; Marc Goethals; Sofie Verstreken; Riet Dierckx; Ward Heggermont - OLV Aalst, BE

14. Is there a role for cardiac inflammation in the development of diabetic cardiomyopathy?
Maxim Verboven; Lize Evens; Dorien Deluyker; Dominique Hansen; Bert O Eijnde; Virginie Bito - Hasselt University, BE

15. Diastolic left ventricular function in relation to circulating metabolic biomarkers in a population study
Zhen-Yu Zhang (1); Vannina G Marrachelli (2);Wen-Yi Yang (1); Sander Trenson (1); Fang-Fei Wei (1); Luftarde Thijs (1); Jan Van Keer (3); Daniel Monleon (3); Peter Verhamme (3); Jens-Uwe Voigt (3); BE; Tatiana Kuznetsova (1); Josep Redón (2); Jan A. Staessens (2)
(1) KU Leuven, BE, (2) Fundación Investigación Clínico de Valencia (INCLIVA), ES, (3) UZ Leuven, BE

IMAGING

1. Validation study of upper limit of normal values for proximal aortic diameters in patients with thoracic aortic disease
Laurence Campens; Anneleen Lips; Laurent Demulier; Julie De Backer - Ghent University Hospital, BE

2. Epicardial Adipose Tissue and Myocardial Fibrosis in Aortic Stenosis: Relationship with Symptoms and Outcomes
Laurent Davin; Raluca Dulgheru; Alain Nchimi; Stella Marchetta; Christophe Martinez; Olivier Gach; Mathieu Lempereur; Patrick Marechal; Cecile Oury; Patrizio Lancellotti - CHU Liège, BE

3. Global Myocardial Work during exercise echocardiography and outcome in patients with asymptomatic severe Aortic Stenosis
Raluca Dulgheru - CHU Saint-Pierre Brussels, BE

4. Acute effects of a short endurance exercise on the right ventricle: a myocardial speckle tracking study
Quentin Garnir - Cliniques universitaires Saint-Luc, BE

5. Stroke volume response and pulmonary venous atrial function of patients with a systemic right ventricle
Federik Heisen; Béatrice Santens; Pieter De Meester; Alexander Van De Bruaene; Els Troost; Jan Boogaert; Werner Buuds; Piet Claus - UZ Leuven, BE

6. Does mitral annular calcification predict mortality in renal transplant recipient: a 14 year follow up study
Caroline Henrard (1); Agnes Pasquet (1); Annie Robert (2); Maelle Lucion (1); Robin Thiriñet (1); Emmanuel Coche (1); Michel Jadoul (1)
(1) Cliniques universitaires Saint-Luc, BE, (2) UCL-Brussels IREC-EPID, BE

7. Prediction of outcome in primary and secondary mitral regurgitation using the Average Pixel Intensity method on echocardiography
Victor Kamoen; Milad El Haddad; Marc De buyzere; Tine De Backer; Frank Timmermans - UZ Gent, BE

8. Isolated left ventricular non-Compaction: Revelation modes, Predictors of mortality, and MRI utility: Experience of the first Moroccan department of cardiac MRI through 26 cases
Jaouad Nquadli; Bouthayana Mesmoudi; Hajer El Ouartassi; Youssef Ouharakat; Abdelmajid Bouzerda; Ilyass Asfalou - Mohammed V Military Hospital, MA

9. Two D Echocardiographic Evaluation Of Left Ventricular Diastolic Function After Beating Heart Closed Mitral Valvotomy (CMV) In Rheumatic Mitral Stenosis
Kumar Rahul - King George's Medical University, IN

10. Left atrial cardiotoxicity in breast cancer patients undergoing chemotherapy
Evangelos Stefanidis; Asim Katbeh; Anna Pipertz; Etiel Silva; Anastasios Milkas; Zsuzsanna Balogh; Kathy De Knijf; Martin Penicka; Guy Van Camp - OLV Aalst, BE

11. Clinical characteristics and outcomes of Aortic valve endocarditis: a single center experience
Laurence Van der Haert; Agnes Pasquet; Berhnard Gerber; David Vancraeynest; Jean-Louis Vanoverschelde; Jean Cyr Yombi - Cliniques universitaires Saint-Luc, BE

INVASIVE/INTERVENTIONAL CARDIOLOGY

1. The impact of completeness of revascularization by percutaneous coronary intervention in patients with coronary artery disease on the autonomic modulation of the heart
Mahmoud Abdelnabi; Moataz Zaki; Mohamed Sadaka; Moustafa Nawar - Alexandria University, EG

2. The impact of different characteristics of coronary artery disease patients on the cardiac autonomic modulation
Mahmoud Abdelnabi; Moataz Zaki; Mohamed Sadaka; Moustafa Nawar - Alexandria University, EG

3. Long-term outcome of medical treatment in patients with angiographic intermediate coronary stenosis and a negative Fractional Flow Reserve-measurement: a cohort study
Shahir Basir (1); Jonathan Andries (1); Sanad Oulikadi (1); Tom Vandendriessche (1); Kathleen Goossens (1); Tim De Meyer (2); Frank Cools (3); Marc Claeyns (1); Johan Bosmans (1); Vincent Segers (1); Steven Haine (1)
(1) Antwerp University, BE (2) Heilig Hart Ziekenhuis, BE, (3) AZ Klinia, BE

4. In vivo and in silico study of the flow-obstruction secondary to two devices measuring fractional flow reserve
Stéphane Carlier; Astrid Delpature; Alessandro Scala; Julien Saussez; Gregory Coussement - UMs, BE
5. Temporal changes in the practice of interventional cardiology related to belgian legislation adaptation: A real-life retrospective analysis in a Single High-Volume Centre
Olivier Gach - CHU Liège, BE

6. Initial clinical experience and 6-month follow-up by coronary computed tomography angiography of a new bioresorbable magnesium-based stent
Chadi Ghafari; Nicolas Brassart; Philippe Brunner; Philippe Delmotte; Kathleen Thayse; Stéphane Carlier - CHU A. Paré Mons, BE

7. Percutaneous balloon mitral valvuloplasty during pregnancy: our experience at IBN SINA Hospital
Zineb Guennoun; Guéladio Hassan Koné; Jihad Raoui - Ibn Sina Hospital; BE

8. Retrospective real-life experience of patients implanted with a bioresorbable vascular scaffold: a single center experience
Pierre-Hugues Leboutte (1); Denis Pieters (2); Elie El Khoury (2); Claude Hanet (1); Christophe Laruelle (2)
(1) CHU Mont Godinne, BE, (2) Saint-Luc Bouge, BE

9. Long-Term Outcomes after Foramen Ovale Closure
Mathieu Lempereur; Catherine Paris; Raluca Duigheru; Stella Marchetta; Laurent Davin; Olivier Gach; Christophe Martinez; Patrick Maréchal; Patrizio Lancellotti - CHU Liège, BE

10. Cardiovascular risk profile among patients treated by PCI and impact of this treatment and prevention nurse advice on smoking cessation
Patrick Marechal; Virginie Petitjean; Olivier Gach; Laurent Davin; Patrizio Lancellotti - CHU Liège, BE

11. Percutaneous left atrial appendage closure following transcatheter aortic valve replacement: results from the ATTRACTIVE study
Liesbeth Rosseel (1); Yam-Hong Wong (1); Sigitas Cesna (2); Fadi J Sawaya (3); Gintautas Bieliuskas (1); Ole De Backer (1)
(1) Rigshospitalet, DK, (2) University of Vilnius, LT (3) American University of Beirut, LB, (4) Klinik Im Park, Hirslanden Zurich, CH

12. Septal hematoma post CTO procedure
Ann-Sofie Vanstappen (1); An Van Berendoncks (1); Jo Dens (2); Steven Haine (1)
(1) UZ Antwerpen, BE, (2) ZOL Genk, BE

OTHER

1. Pattern of prostatic valve infective endocarditis – A single center experience
Mahmoud Abdelnabi; Abdallah Almaghraby; Yehia Saleh; Hoda Shehata; Rashaa Abayazeed - Alexandria University, EG

2. Patient specific Long QT syndrome type 3 cardiomyocytes can be used for clinical drug safety assessments
Ben Bohlen - University of Cologne, DE; Pedro Brugada - UZ Brussel, BE

3. E-cigarette decreases arterial oxygen tension in smokers with coronary artery disease: a randomized controlled pilot trial
Martin Chaumont (1); Wael Zaher (1); Quentin de Hemptinne (2); Ahmad Awada (2); Dariouch Dolatabadi (2); Jean-Paul Bar (2); Rachid Briki (2); Philippe van de Borne (1); Nadia Debbas (2)
(1) Erasme Hospital, BE, (2) Saint-Pierre Hospital, BE

4. Clinical characteristics and genetic predisposition to combined post-capillary and pre-capillary pulmonary hypertension in left heart diseases
Laura Chomette; Antoine Bondue; Sergio Caravita; Marc Abramowicz; Jean-Luc Vachiery - Erasme Hospital, BE

5. Spontaneous coronary artery dissection in women <60 years: not so rare!
Anton Gadeyne; Sofie Gevaert; Benny Driegehe; Peter Kayaert; Michel De Pauw; Tine De Backer - Ghent University Hospital, BE

6. Alteration of right ventricular to pulmonary artery coupling in systemic sclerosis
Alexis Krokos (1); Céline Dewachter (1); Asma RImouche (1); Sergio Caravita (2); Jean-Luc Vachiéry (1)
(1) Erasme Hospital, BE, (2) Instituto Auxologico Italiano; IT

7. Partial anomalous pulmonary venous return in adults. Insight into pulmonary hypertension. A single center experience
Linda Kubangumusu; Agnes Pasquet; Thierry Sluysmans; Joëlle Kefer; Stéphane Moniotte; Alain Poncelet; Jean Rubay; Benoît Ghaye; Sophie Pierard - Cliniques universitaires Saint- Luc, BE

8. Fail to improve daily walking after acute cardiac event: is it so important?
Michel Lamotte; Manon Gras - CUB - FSM Erasme hospital, BE

9. An Update Meta-analysis of Antiplatelet Therapy in High Risk Patients for Primary Prevention
Zhang Lu; Cheng Liu; Xinli Pang; Shaozhong Dong - Shenzhen People's Hospital, CN

10. Pregnancy in women with congenital heart disease – outcome in a single tertiary care center
Fleur Mak; Julie De Backer; Michele De Hosson; Laurien Dooms; Kristien Roelens - Ghent University Hospital, BE

11. Evaluation of cardiac respiratory capacities after cardiac rehabilitation
Najat Mouine; G Amah - Léopold Bellan; C Guitti; S Gagey; M Duval; K Abdennbi - Léopold Bellan Hospital, FR

12. Patient and caregiver productivity loss and indirect costs after acute coronary syndrome and stroke in Belgium
André Peerds (1); Karin Caekelbergh (2); Hans Vandekekerkove (3); Pierre Troisfontaines (4); Sarvazn Shalchian (4); Roeland Crols (5); Valery Fikkert (6); Michiel Brutsaert (6); Eduard Sidelnikov (7)
(1) Cliniques universitaires Saint- Luc, BE, (2) IQVIA Consulting Solutions, BE, (3) AZ St.Lucas, BE, (4) CHR Citadelle, BE, (5) ZNA Middelheim, BE, (6) Amgen BeLux, BE, (7) Amgen Europe GmbH, NL
13. *Clinical utility of Thromboelastography (TEG) in off pump Coronary Artery Bypass Grafting (CABG)*
Kumar Rahul – King George’s Medical University, IN

14. A new invasive validation method for non-invasive central blood pressure measurement using a suprasystolic sphygmomanometer
Alessandro Scalia (1); Stéphane Carlier (1); Kathleen Thayse (2)
(1) CHU A. Paré Mons, BE, (2) UMONS, BE

15. Longitudinal changes in diastolic function and exercise capacity under the influence of cardiometabolic disease
Charlotte Schlesser (1); Anne-Catherine Pouleur (1); Clotilde Roy (1); Céline Goffinet (2); Christophe De Meester de Ravenstein (3); Agnès Pasquet (1); David Vanpraeynest (1); Bernhard Gerber (1); Jean-Louis Vanoverschelde (1)
(1) Cliniques universitaires Saint-Luc, BE, (2) Brussels Brabant Heart Center, BE, (3) KCE, BE

16. *Predictors of the usage of a cardiac-based e-learning platform in ischemic heart disease patients*
Sara Smeets (1); Louis Degryse (1); Siebe Orolé (1); Inès Frederix (2); Thijs Vandenberk (3); Anne Geurden (4); Leen Janssen (4); Lisa Hermans (1); Sofie Puts (1); Jorinde Bielen (1); Maxim Dendale (4); Martijn Scherrenberg (4); Mattja Kovaerts (4); Inge M. Thijs (1); Valérie Storms (1); Lars Grien (1); Pieter Vandervoort (3); Paul Dendale (2)
(1) Hasselt University, BE, (2) Jessa Hospital, BE, (3) East Limburg Hospital, BE, (4) Antwerp University, BE

17. A decade of infective endocarditis in a single large cardiac center: contemporary insights into an ancient illness
Andrew Vervaecke; Geert Van de Vyver; Benjamin Scott; Paul Vermeersch - ZNA Middelheim, BE

18. A decade of prosthetic heart valve endocarditis in a single large cardiac center: contemporary insights into an ancient illness
Andrew Vervaecke; Geert Van de Vyver; Benjamin Scott; Paul Vermeersch - ZNA Middelheim, BE

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