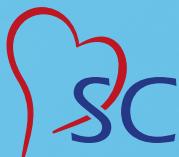


BSC 2019

38TH ANNUAL CONGRESS



Belgian Society of
CARDIOLOGY

Modern cardiology in the picture

PROGRAMME

BRUSSELS
7-8
FEBRUARY
2019

SQUARE
Mont des Arts
B-1000
Brussels

ORGANISING COMMITTEE



c/o Mrs. Yolanda Thornton
BSC Secretariat
Tel +32 (0)2 644 62 32
Email bsc@bscardio.be



Belgian Heart Rhythm Association



Belgian Working Group
on
Cardiovascular Nursing



BELGIAN SOCIETY OF CARDIOLOGY
YOUNG
CARDIOLOGISTS'
CLUB



Belgian Working Group on Heart Failure



BRC
BRC Basic Research in Cardiology

Member National
Cardiac Society



SCIENTIFIC COMMITTEE

Prof. Marc Claeys
UZ Antwerp

Dr. Ward Heggermont
Cardiovascular Center OLV Aalst

Dr. Peter Geelen
Cardiovascular Center OLV Aalst

Prof. Dr. Walter Desmet
UZ Leuven

Prof. Patrizio Lancellotti
CHU Sart Tilman Liege

Dr. Frank Cools
AZ Klinika Brasschaat

Prof. Agnès Pasquet
UCL Brussels

Dr. Lieven Herbots
Jessa Ziekenhuis Hasselt

Prof. Michel De Pauw
Ghent University Hospital

Dr. Georges H. Mairesse
Cliniques Du Sud Luxembourg

Prof. Guy Van Camp
Cardiovascular Center OLV Aalst

Prof. Bharati Shilvarkar
U Antwerp

Dr. Walter Drooghe
UZ Leuven

Prof. Bernard Cosyns
UZ Brussels

Dr. Yves Vandekerckhove
AZ Sint-Jan AV - Campus Bruges

Prof. Marie-Christine Herregods
UZ Leuven

Dr. Raymond Kacenelenbogen
CHU Saint-Pierre Brussels

Prof. Philippe van de Borne
Erasmus Hospital Brussels

Dr. Patrick Coussemant
AZ Sint-Jan

Prof. Rik Willems
UZ Leuven

Prof. Dr. Antoine Bondue
Erasmus Hospital Brussels

Prof. Sandrine Hormann
UCL Brussels

Dr. Laura Anghel
CHU Brugmann Brussels

Prof. Luc Pierard
CHU Sart Tilman Liege

WORD FROM THE PRESIDENT

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



PROGRAMME**THURSDAY 7TH FEBRUARY 2019****COPPER HALL**

08:00 - 09:00 Registration & welcome coffee

SESSION 1: Preventive Cardiology: what we should know!

Belgian Working Group on Cardiovascular Prevention and Rehabilitation (BWGCP)

Moderators:

Paul Dendale - UZ Hasselt, BE

Johan De Sutter - AZ Maria Middelaris 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

10:15 - 10:45 Coffee break

Session 3: Keynote session "Modern cardiology in the picture"**Moderators:**

Marc Claeys - UZ Antwerp, BE

Patrizio Lancellotti - CHU Sart Tilman Liège, BE

Word of the President

Marc Claeys - UZ Antwerp, BE

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

Chris Gale - Leeds University, UK

SILVER HALL**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

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

PROGRAMME**THURSDAY 7TH FEBRUARY 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

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
 Krzystof 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 - 13:45 Lunch
Session 6: Best Poster Competition



12:45 - 13:45 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

PROGRAMME**THURSDAY 7TH FEBRUARY 2019****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 7TH 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 Claeys - 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**

08:00 - 09:00 Registration & welcome coffee

09:00 - 10:15 Session 13: YIA presentations**Jury:**

Antoine Bondue - Erasmus Hospital Brussels, BE
 Ward Heggermont - OLV Aalst, BE
 Richard Schilling - St Barts Hospital London, UK

Platelet acetyl-CoA carboxylase phosphorylation: a risk stratification marker evidencing platelet-lipid interplay in CAD patients
 Shakeel Kautbally - UCLouvain, BE

An exercise hemodynamic evaluation of the acute and chronic effects of CRT on right ventricular-arterial coupling and pulmonary vascular reserve.
 Pieter Martens - Ziekenhuis Oost Limburg, BE

Phenotyping heart failure with preserved ejection fraction: focus on fibrosis markers (Extracellular volume by cMR and biomarkers) and their prognostic impact.
 Clotilde Roy - UCL St-Luc, BE

Laureate's presentation of the Jacqueline Bernheim prize 15'
 Guido Claessen - KU Leuven, BE

10:15 - 10:45 Coffe break - BSC & Acta Cardiologica General Assembly (BSC Members only)

SILVER HALL**09:00 - 10:15 Session 14: The trilogy of patients at high cardiovascular risk**

Satellite Symposium organised by AstraZeneca

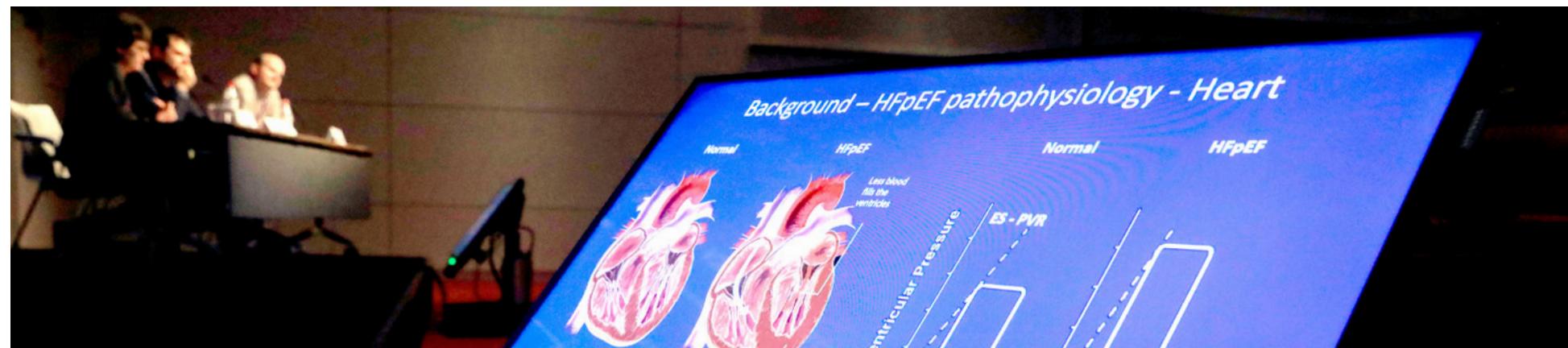
Moderators:

Patrick Coussemont - AZ Sint-Jan Bruges, BE
 Sofie Gevaert - UZ Gent, BE

Identification and etiology of high-risk CV patients: the prologue
 Johan De Sutter - AZ Maria Middelares Gent, BE

Diabetes and ACs: the CV risk continues
 Walter Desmet - UZ Leuven, BE

Diabetes and heart failure: the epilogue
 Christophe Beaujoly - UCL St-Luc, BE



PROGRAMME**FRIDAY 8TH FEBRUARY 2019****COPPER HALL****10:45 - 12:00 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

12:00 - 13:00 Session 17: Case based challenging of the new ESC guidelines on myocardial revascularisation

BSC-ESC Joint Session

Moderators:

Marc Claeys - UZ Antwerp, BE

Agnès Pasquet - UCI 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 CeremonyBSC Research Grants, Best Poster Award,
Best Young Investigator Award**SILVER HALL****10:45 - 12:00 Session 16: Iron deficiency and hyperkalemia in chronic heart failure: changing the paradigm**

Satellite Symposium organised by Vifor Pharma

Moderators:

Walter Drooghe - UZ Leuven, BE

Anne-Catherine Pouleur - UCL Saint-Luc Brussels, BE

Iron deficiency: an important comorbidity in heart failure

Pieter Martens - ZOL Genk, BE

Hyperkalemia management: current treatment approaches

Ileana Piña - Wayne State University & Detroit Medical Center, US



PROGRAMME**FRIDAY 8TH FEBRUARY 2019****COPPER HALL**

13:00 - 14:00 Lunch

SILVER HALL13:00 - 14:00 **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

14:00 - 15:30 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 Ghysen - CHU Sart Tilman, BE

Early detection and management of complications in the ICCUHannah 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 Claeys - UZ Antwerp, BE**14:00 - 15:30 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 (BWBRC)**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

15:30 - 16:00 Wrap up

ACCREDITATION GRANTED



"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 Credits™. 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 a * 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 KU Leuven, 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 - Imeldaziekenhuis, 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 Hosseini (1); Daniela Corina Mirica (2); Jérémie Rabineau (1); José Ignacio Del Rio (2), BE; Damien Gorlier (1); Antoine Nonclercq (1); Pierre-François Migeotte (1); 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 (1); Joris Ector (2); Christophe Garweg (2); Johan Saenen (1); Wim Huybrechts (1); Andrea Sarkozy (1); Rik Willems (2); Hein Heidbuchel (1)
(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 Tako-tsubo 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 (1); 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 (1); Sandrine Hormann (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 Renguet; Marine De Loof; Audrey Ginion; Sandrine Hormann; 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 Reynders (4); Joris Penders (4); Wilfried Mullens (4); Dominique Hansen (1)
(1) Hasselt University, BE, (2) Antwerp 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 Dufeys (1); Kei Sakamoto (2); Christophe Beauloye (1); Luc Bertrand (1); Sandrine Hormann (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 Dantaine; Luc Bertrand; Florence Mailleux; Roselle Gélinas; Audrey Ginion; Laurent Bultot; Christophe Beauloye; Sandrine Hormann - UCL, BE

8. Contribution of SGLT1 on glucose uptake and metabolism

Laura Ferté (1); Laurent Bultot (1); Sylvain Battault (1); Anne Van Steenberghe (1); Audrey Ginion (1); Sandrine Hormann (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); Sophie Lepropre (1); Shakeel Kautbally (1); Victor Darley-Usmar (2); Luc Bertrand (1); Christophe Beauloye (1); Sandrine Hormann (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 Renguet; Laurent Bultot; Marine De Loof; Audrey Ginion; Sandrine Hormann; 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; Marie Octave; Shakeel Kautbally; Aude Thomas; Sarah Reuter; Eleonora Scarcello; Dominique Lison; Luc Bertrand; Laurent Delannay; Pascal Jacques; Christophe Beauloye; Sandrine Hormann; Joëlle Kefer; Maité 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 Arokia Raj - Pondicherry Institute of Medical 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 Roussoulières; 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, HFmrEF 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 Trendon (1); Fang-Fei Wei (1); Lutgarde 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. Staessen (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

Frederik Helsen; Béatrice Santens; Pieter De Meester; Alexander Van De Bruaene; Els Troost; Jan Bogaert; Werner Budts; 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 Thirionet (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

Jacouad Nguadi; Bouthayana Mesmoudi; Hajar El Ouattassi; 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 Pipertzi; Etel 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 Oulkadi (1); Tom Vandendriessche (1); Kathleen Goossens (1); Tim De Meyer (2); Frank Cools (3); Marc Claeys (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 Scalia; Julien Saussez; Gregory Coussment - UMons, 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 registry 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 Dulgheru; 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); Olaf W. Franzen (4); Lars Sondergaard (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 prosthetic valve infective endocarditis - A single center experience
Mahmoud Abdelnabi; Abdallah Almaghraby; Yehia Saleh; Hoda Shehata; Rasha 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 Bondué; 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 Drieghe; 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; Shaohong 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 cardio 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 Peeters (1); Karin Caekelbergh (2); Hans Vandekerckhove (3); Pierre Troisfontaines (4); Sarvnaz 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 Schlessier (1); Anne-Catherine Pouleur (1); Clotilde Roy (1); Céline Goffinet (2); Christophe De Meester de Ravenstein (3); Agnès Pasquet (1); David Vancraeynest (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); Ines 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); Mattijs Govaerts (4); Inge M. Thijs (1); Valerie Storms (1); Lars Grieten (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

THE DIGITAL POSTERS ARE SUPPORTED BY MSD



DOWNLOAD CONFERENCES - BY CC APP TO ACCESS BSC 2019!



After installing the app, you can:

- Access the event programme, attendee and speaker list
- Find your way around through the interactive floorplan
- Create your own daily schedule that will guide you through the day
- Stay informed and receive the latest messages and news
- Take part in our social feed
- Chat with other attendees
- Vote, ask questions and take notes during sessions

Do you have questions?
Don't hesitate to contact us!
bsc@downtowneurope.be

How to download:

The easiest way to download our mobile app is to scan one of these barcodes.

You can also search for 'Conferences - By CC' in the Apple App Store or Google Play Store.

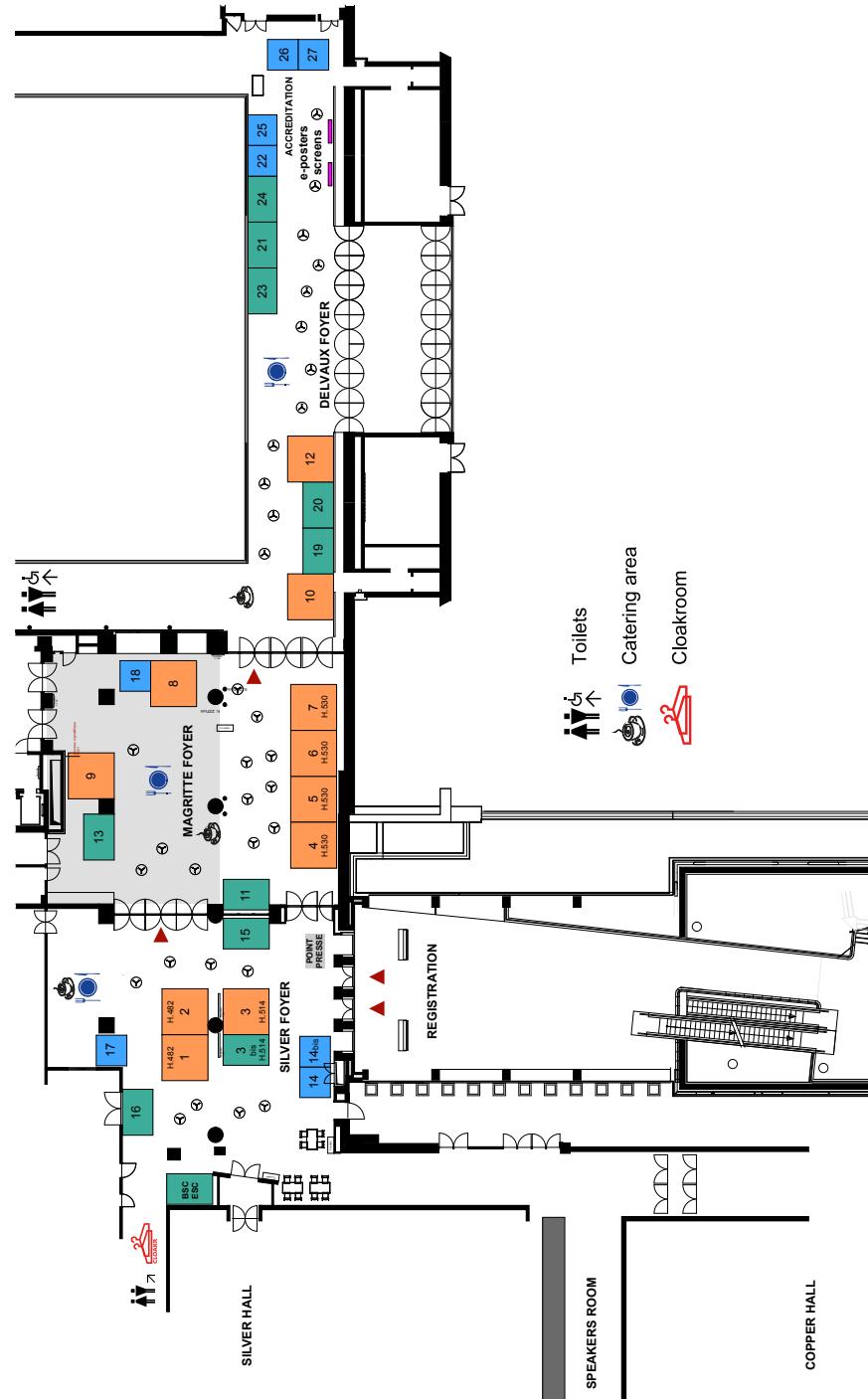


After downloading the app, don't forget to enable push notifications to stay up-to-date on the latest happenings and important news!

EXHIBITORS

Participants are cordially invited to visit the following stands in the exhibition foyers: Silver (S) - Magritte (M) - Delvaux (D)

Abbott	S3
Actelion	D19
Alnylam Pharmaceuticals	D21
Amgen	D10
Arseus Medical	S14
AstraZeneca	M6
Bayer	M8
Biotronik	S15
BMS-Pfizer	M13
Boehringer Ingelheim	M11
Boston Scientific	S16
BSC/ESC	S
Correvio	D27
Daiichi-Sankyo	M4
Edwards Lifesciences	D26
Fonds voor Hartchirurgie	S
GE Healthcare	S3 bis
Journal de la Cardiologie	S
MediQuality	S
Medtronic	S2
MSD	D25
Mylan	D20
Novartis Pharma	M5
Orion Pharma	D24
Philips	S1
Sanofi	D12
Servier	M9
Shire - Takeda	D22
Syndo Health	S17
Synlab	M18
Therabel	D23
Tomtec	S14 bis
Vifor Pharma	M7



PRACTICAL INFORMATION

VENUE

SQUARE-BRUSSELS MEETING CENTRE
Glass Entrance, Parc du Mont des Arts
B-1000 Brussels
Tel.: +32 2 515 13 00

Wifi: square-guest
Login: bsc
Password: bsc19!

ACCESS

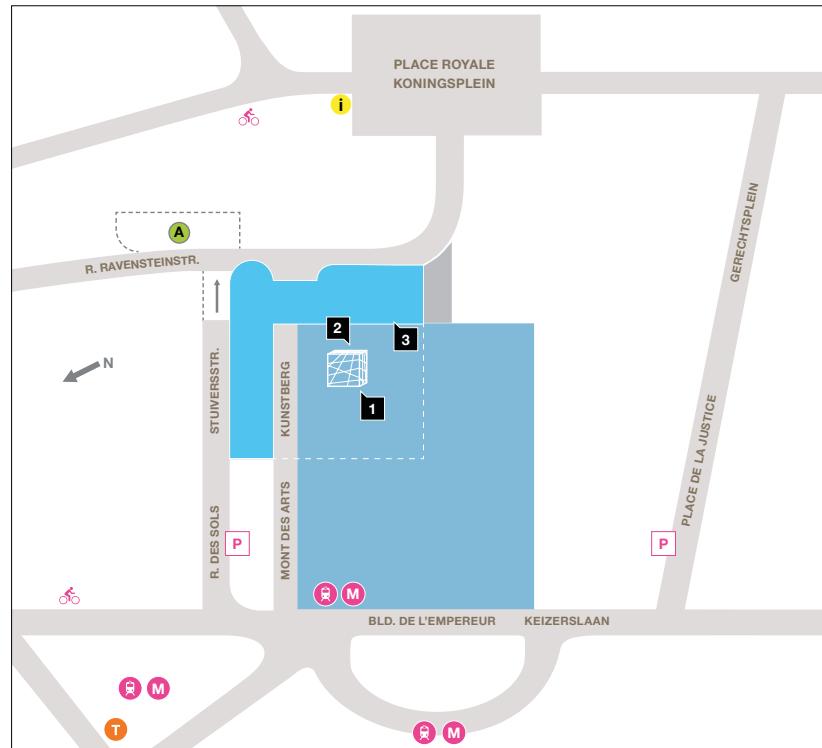
- By tube** SQUARE is accessible using the tube lines 1 & 5, stop Central Station
- By rail** Bruxelles-Central / Brussel-Central, exit signs to 'Mont des Arts - SQUARE'
- By bus** Square is accessible using the bus lines 29 - 38 - 63 - 65 - 66 - 71 - 86, stop Central Station
- By tram** Square is accessible using the tram lines 92 - 93, stop Place Royale
- By air** Brussels International Airport (Zaventem). You can reach the venue by rail (get off at the Brussels Central station) or by taxi
- By road** There is a large parking right underneath Square named Parking Albertine / Albertina. To access the BSC congress, please park at level -3 and take the SQUARE lifts up to level 0 (halls & exhibition level). You can get in via Place de la Justice - Gerechtsplein, 16 at 1000 Brussels, and then walk straight into the building.

WELCOME & REGISTRATION

Badges can be collected at the registration desk (level 0) from 8:00 AM each morning. You have to wear your badge at all times whilst on the SQUARE premises.

ACCREDITATION

To receive their credits, delegates are invited at the designated accreditation desk located in Delvaux Foyer. Opening hours: 13:00 to 18:00 on 7th and 13:00 to 16:00 on 8th February 2019.



- 1 Glass entrance (Mont des Arts)
- 2 Terrace entrance (Mont des Arts)
- 3 Delvaux entrance Loading & Unloading (Foyers) (Mont des Arts)
- P Public parking "Albertine"(direct access to square) (3 rue des Sols or Place de la Justice)

Entrance Central Station

Entrance Metro Central Station

Taxi

City Bikes disposal

Bozar (direct acces from square)

NEXT BSC CONGRESS

Save the date!
13th and 14th February 2020
Brussels

ORGANISING SECRETARIAT



Downtown Europe
Professional Congress Organisers
Tel +32 (0)2 732 35 20
Email: bsc@downtowneurope.be

INFO & REGISTRATION

www.bscardio.be

THANK YOU TO THE BSC MAJOR SPONSORS



Abbott



Cardiovascular



Boehringer
Ingelheim

Bristol-Myers Squibb



Daiichi-Sankyo

