

BSC 2017

36TH ANNUAL CONGRESS

Belgian Society of Cardiology



**Putting a finger on the pulse
of today's and tomorrow's
cardiology practice**

PROGRAMME

**BRUSSELS
9-10
FEBRUARY
2017**

**SQUARE
Mont des Arts
B-1000
Brussels**



ORGANISING COMMITTEE



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SCIENTIFIC COMMITTEE

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Prof. Christophe Beauloye
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Dr. Peter Geelen
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Prof. Julie De Backer
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Prof. Walter Desmet
UZ Leuven

Dr. Stéphanie Seldrum
UCL Mont-Godinne

Dr. Yves Vandekerckhove
AZ Sint-Jan Bruges

Dr. Steven Droogmans
UZ Brussels

Prof. Bernard Cosyns
UZ Brussels

WORD FROM THE PRESIDENT

Dear Colleagues and Friends,

It is my great pleasure, as president of the BSC, to welcome you to the 36th 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.

In the last edition, we changed the format of congress programme, putting the emphasis on the work of the constituent bodies of the BSC; the BSC working groups. Because the changes were positively received by the participants, the scientific board of the BSC decided to adopt the same structure this time.

The different sessions proposed by the BSC Working Groups will provide a nice comprehensive overview of the various aspects of today's cardiology practices. Furthermore, it will lead to ideas and discussions for the future of our discipline.

What can you expect in the 36th edition of the BSC Congress:

- Dedicated sub speciality Working Group sessions, with best abstracts presentation.
- The ESC-BSC joint session presenting the new guidelines on atrial fibrillation, but also the work of the College of Cardiology and the assessment of quality of care in Belgium.
- Socio-economical sessions covering the present and future of the cardiology profession.
- Laureate lectures and awards ceremony; Best Poster, Young Investigator, J. Bernheim.

- Industry-supported satellite symposia giving the floor to high-level international speakers, presenting topics such as: lipid lowering therapy, stroke prevention, direct oral anticoagulation, DAPT after myocardial infraction, imaging. Besides the traditional satellites, we are newly introducing lunch time symposia where you can learn and enjoy your lunch at the same time.
- A final session, highlighting key messages for delegates to take away, will wrap up the event.

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 9th and 10th February 2017!

With enthusiastic and kind regards,

Prof Dr Agnès Pasquet, MD, PhD
President of the Belgian Society of Cardiology



PROGRAMME AT A GLANCE

THURSDAY 9TH FEBRUARY 2017

COPPER HALL

08:00 - 09:00	Registration & welcome coffee (Exhibition Hall)
09:00 - 10:30	Session 1: Diabetes and cardiovascular disease: current insights in diagnosis and treatment Working Group Session by the Young Cardiologists Club (YCC)
10:30 - 11:00	Coffee break (Exhibition Hall) & Best Poster Competition (Delvaux foyer)
11:00 - 11:45	Session 3: Keynote session Preparing for cardiology practice in the year 2020
11:45 - 13:15	Session 4: How to deal with the new guidelines in the clinical practice? Working Group Session by the Belgian Working Group on Heart Failure (BWGHF)
13:15 - 14:15	Lunch (Exhibition Hall)
14:15 - 15:45	Session 6: Good to know before implanting devices Working Group Session by the Belgian Heart Rhythm Association (BeHRA)
15:45 - 16:15	Coffee break (Exhibition Hall)
16:15 - 17:45	Session 8: Hot topics in cardiovascular prevention and rehabilitation Working Group Session by the Belgian Working Group on Cardiovascular Prevention and Rehabilitation (BWGCPR) in collaboration with the Belgian Lipid Club
17:45 - 18:30	Networking Cocktail (Exhibition Hall)

SILVER HALL

09:00 - 10:30	Session 2: NOACs from phase III trials to real world evidence Satellite Symposium organised by Bayer
11:45 - 13:15	Session 5: Stroke prevention and devices Satellite Symposium organised by St. Jude Medical
13:15 - 14:15	PCSK9: what if we knew then what we know now? Lunch Satellite Symposium organised by Sanofi
14:15 - 15:45	Session 7: Long-term DAPT after MI: a Belgian position paper Satellite Symposium organised by Astra Zeneca
16:15 - 17:45	Session 9: Transcatheter aortic valve implantation (TAVI) for the general cardiologist Working Group Session by the Belgian Working Group on Interventional Cardiology (BWGIC)

PROGRAMME AT A GLANCE
FRIDAY 10TH FEBRUARY 2017

COPPER HALL

08:00 - 09:00	Registration & welcome coffee (Exhibition Hall)
09:00 - 10:30	Session 11: The aortic valve disease Working Group Session by the Belgian Working Group on Non-invasive Cardiac Imaging (BWGNICI)
10:30 - 11:00	Coffee break (Exhibition Hall) BSC & Acta Cardiologica General Assembly (Copper Hall)
11:00 - 11:45	Session 12: Young Investigator Award presentations
11:45 - 12:50	Session 14: BSC-ESC joint session on evidence based medicine and quality assessment of cardiac care in Belgium
12:50 - 13:15	Awards Ceremony: BSC Best Poster, Young Investigator Award, J. Bernheim Prize, Change of BSC Presidency
13:15 - 14:15	Lunch (Exhibition Hall)
14:15 - 15:45	Session 16: Accelerated diagnosis for patients presenting with chest pain Working Group Session by the Belgian Interdisciplinary Working Group on Acute Cardiology (BIWAC)
15:45 - 16:00	Coffee break (Exhibition Hall)
16:00 - 17:30	Session 18: General Closing session Take home messages from the BSC Working Groups

SILVER HALL

09:00 - 10:30	Session 10: Genetics in the (congenital) heart clinic - applications for daily practice Working Group Session by the Belgian Working Group on Adult Congenital Heart Disease (BWGACHD)
11:00 - 12:30	Session 13: Setting new standards in cardiovascular protection Satellite Symposium organised by Boehringer Ingelheim
12:30 - 12:50	Session 15: Laureate lecture Jacqueline Bernheim
13:15 - 14:15	PCSK9i: translating LDL-C lowering into plaque regression and CV event reduction? Lunch Satellite Symposium organised by Amgen
14:15 - 15:45	Session 17: Innovation in cardiovascular diagnosis and management Satellite Symposium organised by Philips

PROGRAMME

THURSDAY 9TH FEBRUARY 2017

COPPER HALL

08:00 - 09:00 Registration & welcome coffee (Exhibition Hall)

09:00 - 10:30 **Session 1: Diabetes and cardiovascular disease: current insights in diagnosis and treatment**
Working Group Session by the Young Cardiologists Club (YCC)

Moderators:

Steven Droogmans - UZ Brussels, BE
Stéphanie Seldrum - UCL Mont-Godinne, BE

New advances in treatment of diabetes: which action for which drug?
Michel Hermans - UCL Brussels, BE

Non-invasive evaluation of coronary artery disease in diabetes
Johan De Sutter - AZ Maria Middelaers, Ghent, BE

Diabetic patient at the cardiology clinic: how to treat according to guidelines?
Guntram Schernthaner - Rudolfstiftung Hospital, Vienna, AT

Best Abstract presentation

Effects of chemerin on rat pulmonary artery smooth muscle cell proliferation, resistance to apoptosis and migration
Alienor Hanthazi - ULB Brussels, BE

10:30 - 11:00 Coffee break (Exhibition Hall) & **Best Poster Competition** (Delvaux foyer)
Jury: Agnès Pasquet - UCL Brussels, BE
Marc Claeys - UZ Antwerp, BE

11:00 - 11:45 **Session 3: Keynote session**
Preparing for cardiology practice in the year 2020

Moderators:

Agnès Pasquet - UCL Brussels, BE
Marc Claeys - UZ Antwerp, BE

Introduction:

Agnès Pasquet - UCL Brussels, BE

Healthcare vision and in particular cardiology health care, in the actual economic situation: where are we going?
Minister Maggie De Block

SILVER HALL

09:00 - 10:30 **Session 2: NOACs from phase III trials to real world evidence**
Satellite Symposium organised by Bayer

Moderators:

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

Short overview from phase III to real-life data with NOACs
Torben Bjerregaard Larsen - Aalborg, DK

"Pro and Contra" debate with controversial NOAC topics
Hein Heidbüchel - UZ Antwerp, BE
Jean-Benoît Le Polain de Waroux - UCL Brussels, BE



PROGRAMME

THURSDAY 9TH FEBRUARY 2017

COPPER HALL

11:45 - 13:15

Session 4: How to deal with the new guidelines in the clinical practice?

Working Group Session by the Belgian Working Group on Heart Failure (BWGHF)

Moderators:

Wilfried Mullens - ZOL Genk, BE
Pierre Troisfontaines - CHR Liège, BE

Presentation of the new Heart Failure guidelines

Stefan Anker - University Medical Center Göttingen, Germany, DE

Two clinical cases regarding the new guidelines and the difficulties to implement these guidelines in Belgium

Philippe Blouard - Clinique Saint-Luc, Bouge, BE
Matthias Dupont - Ziekenhuis Oost-Limburg, Genk, BE

Best Abstract Presentation

Prevalence and impact of iron deficiency with and without anemia on heart failure related outcome

Pieter Martens - Ziekenhuis Oost Limburg, BE

13:15 - 14:15

Lunch (Exhibition Hall)



SILVER HALL

11:45 - 13:15

Session 5: Stroke prevention and devices

Satellite Symposium organised by St. Jude Medical

Moderators:

Yves Vandekerckhove - AZ St. Jan Bruges, BE
Joëlle Kefer - UCL Brussels, BE

Stroke prevention and CRM devices

Georges H. Mairesse - Cliniques du Sud Luxembourg, Arlon, BE

PFO and stroke prevention

Peter Ewert - Deutsches Herzzentrum, Munich, DE

The use of LAAO devices to prevent the risk of stroke

Werner Budts - UZ Leuven, BE

TAVR and stroke prevention

Axel Linke - Herzzentrum Leipzig, DE

The risk of stroke in ventricular assist devices

Bart Meyns - UZ Leuven, BE

13:15 - 14:15

PCSK9: what if we knew then what we know now?

Lunch Satellite Symposium organised by Sanofi

Moderators:

Pierre Troisfontaines - CHR Liège, BE
Olivier Descamps - Jolimont, BE

An animated rewriting of lipid-lowering history

Ernst Rietzschel - UZ Ghent, BE
Peter Sinnaeve - UZ Leuven, BE

PROGRAMME

THURSDAY 9TH FEBRUARY 2017

COPPER HALL

14:15 - 15:45 **Session 6: Good to know before implanting devices**
Working Group Session by the Belgian Heart Rhythm Association (BeHRA)

Moderators:

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

Indications for ICD and PM extraction

Aldo Rinaldi - London Bridge Hospital, UK

Prevention of pacemaker/ICD related complications

Frank Bracke - Catharina Hart - en Vaatziekten Centrum Eindhoven, NL

Best Abstract Presentation

Left Atrial Appendage Closure with the WATCHMAN Device in Europe and in Belgium: High Procedural Success Rate and Low Periprocedural Risk. Data from the Prospective 1000 Patients EWOLUTION Registry

Tom De Potter - OLV Aalst, BE

15:45 - 16:15 Coffee break (Exhibition Hall)

16:15 - 17:45 **Session 8: Hot topics in cardiovascular prevention and rehabilitation**
Working Group Session by the Belgian Working Group on Cardiovascular Prevention and Rehabilitation (BWGCPR) in collaboration with the Belgian Lipid Club

Moderators:

Catherine De Maeyer - Cardiologisch Centrum Grens, BE
Olivier Descamps - UCL Brussels, BE

New ESC guidelines on prevention focus on the dyslipidemia

Guy De Backer - UZ Ghent, BE

Cardiac rehab: Working behind the scenes

Raymond Kacenelenbogen, CHU Saint-Pierre, Brussels, BE

The female heart

Sophie Gevaert - UZ Ghent, BE

Best Abstract presentation

Is Myocardial Fibrosis A Hallmark Of Paradoxial Low Gradient Aortic stenosis?

Alisson Slimani - UCL Brussels, BE

17:45 - 18:30 Networking Cocktail (Exhibition Hall)

SILVER HALL

14:15 - 15:45 **Session 7: Long-term DAPT after MI: a Belgian position paper**
Satellite Symposium organised by Astra Zeneca

Moderators:

Walter Desmet - UZ Leuven, Be and
Sofie Gevaert - UZ Ghent, BE

What do we know about the first year after an ACS.

Christophe Beauloye - UCL Brussels, BE

Who, when and why to treat beyond 1 year post-MI?

Peter Sinnaeve - UZ Leuven, BE

16:15 - 17:45 **Session 9: Transcatheter aortic valve implantation (TAVI) for the general cardiologist**
Working Group Session by the Belgian Working Group on Interventional Cardiology (BWGIC)

Moderators:

Walter Desmet - UZ Leuven, BE
Joëlle Kefer - UCL Brussels, BE

TAVI: Limitations, challenges and opportunities

Christophe Dubois - UZ Leuven, BE

TAVI: the minimalist approach

Thierry Lefèvre - ICPS Massy, FR

TAVI in difficult conditions

Johan Bosmans - UZ Antwerp, BE

Best Abstract presentation

Thermodilution-derived measurement of absolute coronary flow and microvascular resistance: Principle and measurement repeatability

Panagiotis Xaplanteris - OLV Aalst, BE

PROGRAMME

FRIDAY 10TH FEBRUARY 2017

COPPER HALL

08:00 - 09:00 Registration & welcome coffee (Exhibition Hall)

09:00 - 10:30 **Session 11: The aortic valve disease**

Working Group Session by the Belgian Working Group on Non-invasive Cardiac Imaging (BWGNICI)

Moderators:

Bernard Cosyns - UZ Brussels, BE
Guy Van Camp - OLV Aalst, BE

The asymptomatic patient with severe aortic stenosis: what to do in 2017 ?

Patrizio Lancellotti - CHU du Sart Tilman, Liège, BE

Classification of aortic valve stenosis: something new ?

Bernhard Gerber - UCL Brussels, BE

Role of imaging in TAVI in 2017

Jose Zamorano - University Hospital Ramon y Cajal, Madrid, SP

Multivalvular disease in patients with aortic stenosis

Philippe Unger - CHU Saint-Pierre, Brussels, BE

Best Abstract presentation

Reproducibility of Pressure-Flow relationship of the pulmonary circulation by exercise echocardiography in healthy volunteers

Asma Rimouche - Erasme Brussels, BE

10:30 - 11:00 Coffee break (Exhibition Hall)
BSC & Acta Cardiologica General Assembly (Copper hall)



SILVER HALL

09:00 - 10:30 **Session 10: Genetics in the (congenital) heart clinic - applications for daily practice**

Working Group Session by the Belgian Working Group on Adult Congenital Heart Disease (BWGACHD)

Moderators:

Julie De Backer - UZ Ghent, BE
Sophie Pierard - UCL Brussels, BE

Indications for referral to genetics in cardiology

Dhavendra Kumar - University Hospital of Wales, UK

What to do with the results from genetic testing?

Antoine Bondue - Erasme Brussels, BE

Recurrence risk and prenatal diagnostics for cardiac diseases

Maryse Bonduelle - UZ Brussels, BE

Best Abstract presentation

Pulmonary vascular resistance assessed by bicycle stress echocardiography in patients late after ventricular septal defect repair

Charlien Gabriels - UZ Leuven, BE

PROGRAMME

FRIDAY 10TH FEBRUARY 2017

COPPER HALL

11:00 - 11:45

Session 12: Young Investigator Award presentations

Moderators/jury:

Guy Van Camp - OLVZ Aalst, BE

Patrizio Lancellotti - CHU Liège, BE

Dhavendra Kumar - University Hospital of Wales, UK

3 Best YIA Abstracts presentations

Intravascular volume expansion in patients with heart failure and reduced ejection fraction is not revealed by changes in cardiac filling pressures

Petra Nijst - Ziekenhuis Oost Limburg, BE

Two-dimensional global longitudinal strain accurately predicts extensive diffuse myocardial fibrosis at myocardial histology and T1 mapping in aortic stenosis

Tomas Ondrus - OLV Aalst, BE

Interaction between acute and residual inflammation in acute coronary syndromes: a prospective cohort study

Maarten Vanhaverbeke - KU Leuven, BE



SILVER HALL

11:00 - 12:30

Session 13: Setting new standards in cardiovascular protection

Satellite Symposium organised by Boehringer Ingelheim

Moderators:

Georges H. Mairesse - Cliniques du Sud Luxembourg, Arlon, BE

Jean-Benoît Le Polain de Waroux - UCL Brussels, BE

Philippe van de Borne - Erasme Brussels, BE

Introduction:

Jean-Benoît Le Polain de Waroux - UCL Brussels, BE

Achievement of optimal anticoagulation in real live and reversing anticoagulation: Why?

Georges H. Mairesse - Cliniques du Sud Luxembourg, Arlon, BE

Reversing Anticoagulation: How?

Peter Verhamme - UZ Leuven, BE

Q&A

Jean-Benoît Le Polain de Waroux - UCL Brussels, BE

Cardiovascular outcome trials in diabetes type II

Chantal Mathieu, - KU Leuven, BE

Q&A

Philippe van de Borne - Erasme Brussels, BE

PROGRAMME

FRIDAY 10TH FEBRUARY 2017

COPPER HALL

11:45 - 12:50

Session 14: BSC-ESC joint session on evidence based medicine and quality assessment of cardiac care in Belgium

Moderators:

Marc Claeys - UZ Antwerp, BE
Agnès Pasquet - UCL Brussels, BE

Quality assessment of cardiac care in Belgium (College of Cardiology)

Acute cardiology (STEMI registry)

Marc Claeys - UZ Antwerp, BE

Interventional cardiology (PCI-TAVI registry)

Claude Hanet - UCL Mont-Godinne, BE

Electrophysiology (eg ICD -CRT - Ablation registries)

Georges H. Mairesse - Cliniques du Sud-Luxembourg, Arlon, BE

New ESC guidelines on Atrial Fibrillation

Paulus Kirchhof - University of Birmingham, UK

12:50 - 13:15

Awards Ceremony:

BSC Best Poster, Young Investigator Award, J. Bernheim Prize, Change of BSC Presidency

13:15 - 14:15

Lunch (Exhibition Hall)



SILVER HALL

12:30 - 12:50

Session 15: Laureate lecture Jacqueline Bernheim

Moderators:

Patrizio Lancellotti - CHU Sart Tilman, Liège, BE
Werner Budts - UZ Leuven, BE

Dissection of genotypic and cardiovascular phenotypic features of heritage connective tissue disorders

Laurence Campens - UZ Ghent, BE



13:15 - 14:15

PCSK9i: translating LDL-C lowering plaque regression and CV event reduction?

Lunch Satellite Symposium organised by Amgen

Moderators:

Walter Desmet - UZ Leuven, BE
Etienne Hoffer - CHR Citadelle Liège, BE

Introduction:

Walter Desmet - UZ Leuven, BE

Impact of the PCSK9 inhibitor evolocumab on coronary atherosclerosis: results from the GLAGOV trial

Edouard Benit - Jessa Ziekenhuis, Hasselt, BE

PCSK9i: new horizons in CVD prevention

Kausik Ray, Imperial College London, UK

Conclusion:

Walter Desmet - UZ Leuven, BE
Etienne Hoffer - CHR Citadelle Liège, BE

PROGRAMME

FRIDAY 10TH FEBRUARY 2017

COPPER HALL

14:15 -15:45

Session 16: Accelerated diagnosis for patients presenting with chest pain

Working Group Session by the Belgian Interdisciplinary Working Group on Acute Cardiology (BIWAC)

Moderators:

Christophe Beauloye - UCL Brussels, BE
Patrick Coussement - AZ Sint-Jan Brugge-Oostende, BE

Chest pain units in emergency department - task force of ACCA

Maddalena Lettino, Humanitas Research hospital, IT

Rule-in and rule-out algorithms - hsTroponin T

Raphael Twerenbold - University Hospital Basel, CH

Role of in-hospital triage in ED for patients with chest pain

Alessandro Manara - UCL Brussels, BE

Mode of Admission and adherence to reperfusion

Marc Claeys - UZ Antwerpen, BE

Best Abstract presentation

Clinical significance and predictors of coronary lesion progression as assessed by fractional flow reserve (FFR)

Panagiotis Xaplanteris - OLV Aalst, BE

15:45 -16:00

Coffee break (Exhibition Hall)

16:00 -17:30

Session 18: General Closing session

Take home messages from the BSC Working Groups

Moderators:

Marc Claeys - UZ Antwerp, BE
Agnès Pasquet - UCL Brussels, BE
Patrizio Lancellotti - CHU du Sart Tilman, Liège, BE

Working Group presentations

BWGACHD - Julie De Backer
BWGIC - Walter Desmet
BeHRA - Yves Vanderkerckhove
BWGNIC - Bernard Cosyns
BWGHF - Pierre Troisfontaines
BWGCPR - Catherine De Maeyer
BIWAC - Christophe Beauloye
BWGCVN - Eva Goossens
YCC - Stéphanie Seldrum

SILVER HALL

14:15 -15:45

Session 17: Innovation in cardiovascular diagnosis and management

Satellite Symposium organised by Philips

Moderators:

Paul Vermeersch - AZ Middelheim, BE
Patrizio Lancellotti - CHU Liège, BE

Innovation in cardiovascular diagnosis

Live case: LAA closure using 'innovative' advanced Live 3D ultrasound overlay

Jacques Lalmand - CHU Charleroi, BE
Adel Aminian - CHU Charleroi, BE

Philips CT-FFR: Virtual Fractional Flow Reserve

Patrick Donnelly - Southeastern Health & Social care Trust Belfast, IE

Accreditation has been requested



**ALL POSTERS INVITED FOR POSTER DISPLAY
CAN BE FOUND IN THE EXHIBITION HALL BETWEEN
MAGRITTE FOYER & DELVAUX FOYER**

(SEE MAP AT CONGRESS ENTRANCE)

BEST POSTERS

The following posters (**A to H**) have been selected for the best poster competition in their category.

The best poster competition will take place during the morning coffee break on Thursday 9 February 2017 from 10:30 till 11:00 in a dedicated area in the **Delvaux Foyer**.

BASIC SCIENCE

A. Leptin-Induced Endothelium-Independent Vasoconstriction in Thoracic Aorta and Pulmonary Arteries of Spontaneously Hypertensive Rats: Role of Calcium Channels and Stores

Samantha Gomart - ULB Brussels, BE

HEART FAILURE

B. Feasibility and benefit of neurohumoral blocker uptitration following cardiac resynchronization therapy.

Pieter Martens - Ziekenhuis Oost Limburg, BE

C. Use of cardio protective medication, digoxin and amiodarone at discharge and long-term outcome after hospitalization of heart failure in patients aged 80+ years: a report from the BIO-HF registry.

Delphine Vervloet - AZ Maria Middelaes Gent, BE

INVASIVE / INTERVENTIONAL CARDIOLOGY

D. Intracoronary continuous infusion of saline via a novel catheter with side holes induces steady state maximal hyperemia comparable to adenosine.

Panagiotis Xaplanteris - OLV clinic Aalst, BE

E. Long-term Outcomes of Bioresorbable Vascular Scaffold compared to conventional drug eluting stents in ST-elevation myocardial infarction: single-center initial experience.

Quentin de Hemptinne - CHU Saint-Pierre Brussels, BE

IMAGING

F. Head to head comparison of global and regional 2DST strain vs cardiac magnetic resonance tagging in a multicenter validation study.

Amzulescu Mihaela Silvia - UCL Saint Luc Brussels, BE

OTHER (CONGENITAL/PREVENTION/REHABILITATION/...)

G. Is cardiac telerehabilitation cost-efficient in the long-term? The Telerehab III 2-year follow-up study.

Ines Frederix - Jessa Hospital Hasselt, BE

H. Prevalence and management of potential familial hypercholesterolaemia patients entering cardiac rehabilitation.

Johan De Sutter - AZ Maria Middelaes Hospital Gent, BE

POSTERS ON DISPLAY

ARRHYTHMIAS/DEVICES

1. Near zero radiation exposure in radiofrequency pulmonary vein isolation: single-centre study applying three-dimensional rotational angiography

Sofia Chatzikyriakou - OLV Hospital Aalst, BE

2. Diagnosis-to-ablation time as a predictor of success: early choice for pulmonary vein isolation and long-term outcome in atrial fibrillation.

Yves De Greef - ZNA Middelheim Antwerp, BE

3. Relation between terminal QRS axis and response to cardiac resynchronization therapy.

Pieter Koopman - Jessa Hospital Hasselt, BE

4. Pulmonary vein isolation using laser balloon as compared to standard radiofrequency catheter ablation.

Pieter Koopman - Jessa Hospital Hasselt, BE

5. The impact of changes in left ventricular ejection fraction and renal function at first replacement on the prognosis of ICD patients.

Bert Vandenberg - University of Leuven, BE

BASIC SCIENCE

6. Remote ischemic conditioning of the lower extremity provides protection against endothelial ischemia-reperfusion injury in healthy volunteers.

Ken Dewitte - University Hospital of Antwerp, BE

HEART FAILURE

7. Papillary muscles contribute significantly to shortening of dilated left ventricles.

Jürgen Duchenne - University of Leuven, BE

8. Fibroblast growth factor 23 in patients with heart failure: measurement of the intact form with a novel automated assay.

Damien Gruson - UCL Saint Luc Brussels, BE

9. Effect of down-titrating loop diuretics following cardiac resynchronization therapy on clinical outcome and kidney function trajectories.

Pieter Martens - Ziekenhuis Oost Limburg, BE

10. Minimally invasive mitral valve annuloplasty confers a long-term survival benefit compared with state-of-the-art treatment in heart failure patients with functional mitral regurgitation.

Martin Penicka - OLV Hospital Aalst, BE

11. Determinants of diffuse myocardial fibrosis in patients with heart failure with preserved ejection fraction compared to age-matched volunteers.

Clotilde Roy - UCL Saint Luc Brussels, BE

12. Role of the P2Y4 nucleotide receptor in the angiogenic and cardioprotective properties of Adipose-derived Stem Cells.

Marion Vanorlé - ULB (IRIBHM) Brussels, BE

INVASIVE/INTERVENTIONAL CARDIOLOGY

13. Transcatheter aortic valve replacement using self-expanding device for bioprosthetic aortic valve failure in high surgical risk patients: a single-center experience.

Alessia Azzano - ZNA Middelheim Antwerp, BE

14. Transcatheter aortic valve replacement (TAVR)-A prospective single Belgian center registry.

Rachid Briki - CHU St-Pierre Brussels, BE

15. Angiography versus fractional flow reserve to predict the natural history of coronary artery disease: a FAME-2 substudy.

Giovanni Ciccarelli - OLV Hospital Aalst, BE

16. Nowadays, is there still a place for surgical valvular aortic replacement in patients older than 80 years with symptomatic aortic stenosis?

Laurent Davin - CHU Sart Tilman Liège, BE

17. First clinical evaluation of a new angiographic enhanced stent imaging technology.

Khalil Houissa - UMONS, BE

18. Aortic valve replacement improves survival in moderate and severe aortic stenosis with gradient-area mismatch.

Yujing Mo - OLV Hospital Aalst, BE

19. Incidence and predictive factors of early stent thrombosis.

Sara Ratbi - Mohamed V military hospital Rabat, MA

20. Long-term follow-up of complex coronary bifurcation lesions treated with a dedicated self-expanding biolimus-eluting stent.

Andreas Triantafyllis - University Hospitals Leuven, BE

21. Percutaneous closure of patent foramen ovale for hypoxemia: a single-centre retrospective study.

Gaëlle Vermeersch - ZNA Middelheim Antwerp, BE

IMAGING

22. Improvement of regional myocardial systolic function assessed by strain rate imaging in patients with stable coronary artery disease.

Abdallah Almaghraby - University of Alexandria, EG

23. Contractile and pulmonary vascular reserve in patients with chronic thromboembolic pulmonary vascular disease: an exercise cardiac magnetic resonance study.

Mathias Claeys - University Hospitals Leuven, BE

24. Longitudinal cardiac deformation is reduced both at rest and during exercise in CTEPH patients and remains impaired post pulmonary endarterectomy.

Mathias Claeys - University Hospitals Leuven, BE

25. Left atrial size and function in 242 hypertrophic cardiomyopathy patients and risk of new onset atrial fibrillation.

Philippe Debonnaire - Sint-Jan Hospital Bruges, BE

26. Fibromuscular dysplasia: results of a multicentre study in Flanders.

Marie De Groote - Ghent University Hospital, BE

27. Left ventricular hypertrophy with strain in paradoxical low gradient aortic stenosis.

Alisson Slimani - UCL Saint Luc Brussels, BE

28. Resolving inconsistencies in echocardiographic determined gradient and flow measurements in patients with significant aortic valve stenosis and preserved LV ejection fraction.

Guy Van Camp - OLV Hospital Aalst, BE

OTHER

29. Next-generation sequencing (NGS)-based diagnostics in heritable cardiomyopathies and channelopathies.

Julie De Backer - Ghent University Hospital, BE

30. Endurance-type exercise combined with acipimox administration provides superior benefits for glycemic control compared with endurance-type exercise alone in male patients with type 2 diabetes.

Dominique Hansen - Hasselt University, BE

31. Long-term risk assessment of TIMI risk score for STEMI.

Ha Mo Linh Le - Hôpital de Jolimont La Louvière, BE

32. Exercise intervention in type 2 diabetes mellitus: impact on cardiac diastolic function.

Lennert Minten - University of Leuven, BE

33. How to reliably diagnose arterial hypertension: lessons from 24-h blood pressure monitoring.

Vincent Raymaekers - Hasselt University, BE

34. Aortic valve replacement: assessment of quality - a single-centre experience.

Erwin Schroeder - CHU UCL Namur, BE

35. Impact on survival of the severity in aortic stenosis in initially non-operated patients.

Erwin Schroeder - CHU UCL Namur, BE

36. Making the invisible visible - retinal microvascular reactivity in ischemic cardiac patients and healthy individuals.

Fien Van den Eynde - Hasselt University, BE

37. The usefulness of the current long-term intensive cardiological follow-up in patients with a myocardial infarction.

Pascal Wieringa - Jessa Ziekenhuis Hasselt, BE

EXHIBITORS

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

Actelion	M21
Amgen	M7
Arseus	S15
Astra Zeneca	D9
Bayer	D10
Biotronik	S16
BMS/Pfizer	D12
Boehringer Ingelheim	D11
Belgian Society of Cardiology	S
Daiichi Sankyo Belgium S.A./N.V	M6
Edwards Lifesciences BVBA	S13
Eurogenerics	S17
Fonds voor Hartchirurgie	S
GE Healthcare	M14
Journal de la Cardiologie	S
Livanova	D25
Medtronic	S1
MSD	D8
Mylan - Meda Pharma	M20
Normaphar S.A./N.V	M23
Novartis Pharma S.A /N.V	D18
Philips	S2
Sanofi	M4
Servier Benelux S.A./N.V	M5
St Jude Medical Belgium	S3
Therabel Pharma S.A	M24
Tomtec Imaging Systems GMBH	D22
Vifor Pharma België	M19

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: bsc17!

ACCESS

By tube SQUARE is accessible using the tube lines 1 & 5, stop Central Station

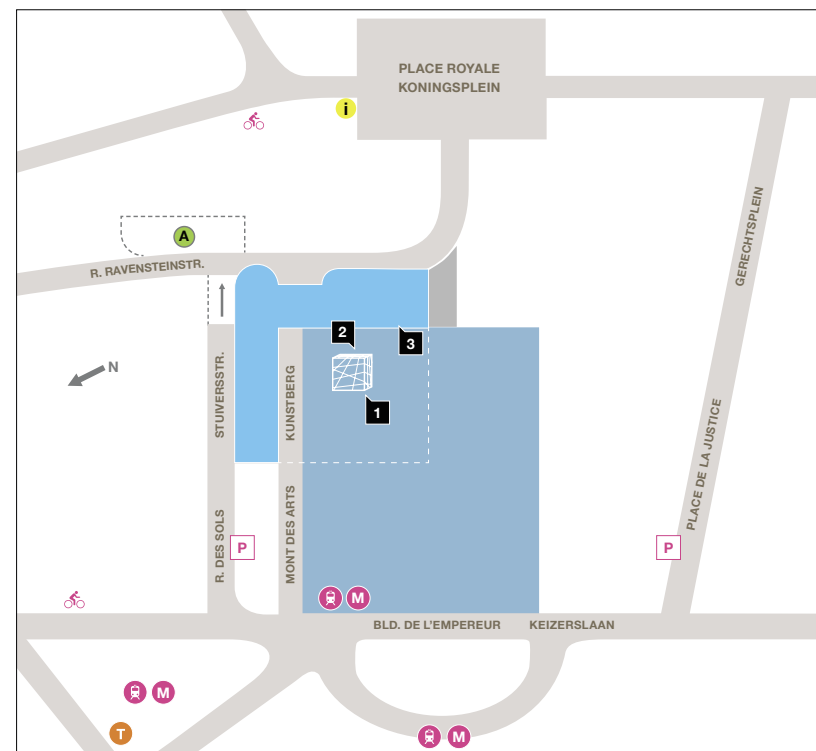
By rail Bruxelles-Central / Brussel-Central, exit signs to 'Mont des Arts - SQUARE'

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.



- | | |
|------------------------------------------------------------------------------------------------------|----------------------------------|
| 1 Glass entrance (Mont des Arts) | Entrance Central Station |
| 2 Terrace entrance (Mont des Arts) | Entrance Metro Central Station |
| 3 Delvaux entrance Loading & Unloading (Foyers) (Mont des Arts) | Taxi |
| P Public parking "Albertine"(direct access to square) (3 rue des Sols or Place de la Justice) | City Bikes disposal |
| | Bozar (direct acces from square) |

WELCOME & REGISTRATION

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

ACCREDITATION

Delegates are invited to register for accreditation at the designated **accreditation desk** which will be located into the **Delvaux Foyer**.

Opening hours: 13:15 to 18:30 on 9th February
13:15 to 16:00 on 10th February

ORGANISING SECRETARIAT



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