



The Physiology Course: A New Wave

16th Edition - 15th to 17th April 2024

Directors

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Affiliation

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Objectives

- To understand the basics of coronary physiology.
- To demonstrate how to integrate coronary physiology into daily practice.
- To have hands-on experience with new technologies in the field of coronary physiology.
- To review novel concepts in the fields of epicardial and microvascular coronary disease.

Venue

ORSI Academy Training Center
Proefhoevestraat 12,
9090 Melle,
Belgium

The scientific programme of this event is based on the following recent ESC Guidelines: 2019 Guidelines on Chronic Coronary Syndromes.



DAY 1 – Monday 15th April 2024

Scientific Programme

8:00 Registration

8:30 Welcome, introduction, and course set up

Bernard De Bruyne
Carlos Collet
Nico H J Pijls

The Epicardial Arteries - The Foundations

Chairman: Bernard De Bruyne & Nils Johnson

8:45 Structure of the coronary circulation

Nils Johnson

9:00 Key concepts within coronary physiology

Bernard De Bruyne

9:15 The art of measuring pressure

Nico H J Pijls

9:30 PPG: enhancing your decision making

Carlos Collet

9:45 ESC Guidelines: What do they say?

Thomas Keeble

10:00 Q&A

10:30 Tea and networking

The Epicardial Arteries - Practicalities

Chairman: James Spratt & William F Fearon

11:00 The physiology toolkit

William F Fearon

11:15 Serial lesions interaction

Carlos Collet

11:30 Post-PCI FFR: Is it too late?

Nils Johnson

11:45 Tips and Tricks from the Master

Bernard De Bruyne

12:00 **Live Cases**

Ferrara University Hospital, Italy

Gianluca Campo
Simone Biscaglia

Cardiovascular Center Aalst, OLV-Clinic Aalst

Jeroen Sonck
Adriaan Wilgenhof

13:00 Lunch



Hands-on sessions

14:00 to 19:00

Hands-on session explanation

Pressure tracings Lab

Hector Garcia

Cath Lab - Continuous thermodilution

Nils Johnson

Cath Lab - Bolus thermodilution (IMR/CFR)

Nico H J Pijls
Thomas Keeble
Bernard De Bruyne
Peter Damman

iFR Syncvision

Divaka Perera
Carlos Collet
William F Fearon
John Davies

QFR

Rasha Al-Lamee

VFFR

Javier Escaned

FFR CT Planner

Ziad Ali

FFR Angio System

Jeroen Sonck

19:30 Group Dinner

Allen Jeremias



DAY 2 – Tuesday 16th April 2024

Scientific Programme

Diving into the Microcirculation

Chairman: Bernard De Bruyne & Allen Jeremias

8:30 CMD: does it exist?	Divaka Perera
8:45 Non-invasive: is all that you need?	Nils Johnson
9:00 IMR: quick & easy?	Carlos Collet
9:15 Flow and Resistance: absolutely!	Bernard De Bruyne
9:30 MRR: the FFR of the microcirculation	Nico H J Pijls
9:45 Q&A	
10:00 Tea and networking	
10:30 Could epicardial spasm hold the answer?	Divaka Perera
10:45 Myocardial bridge a hidden solution?	William F Fearon
11:00 Mapping treatment options	Rasha Al-Lamee
11:15 Q&A	
11:30 Live Case	
Cardiovascular Center Aalst, OLV-Clinic Aalst	Jeroen Sonck Adriaan Wilgenhof
12:30 Lunch	

Pipeline, Novelties and Uncertainties

Chairman: Rasha Al-Lamee & Ziad Ali

13:30 CT-guided PCI	Carlos Collet
13:45 Physiology to optimise PCI	Allen Jeremias
14:00 Microvascular assessment from angiography	Javier Escaned
14:15 Wall Shear Stress: the little big force	Umberto Morbiducci
14:30 Can CT help assessing the microcirculation?	Charles Taylor
14:45 Q&A	



15:00 **Live Cases**

St Francis Hospital, Roslyn, New York

Richard Shlofmitz
Evan Shlofmitz

Sapienza University of Rome

Emanuele Barbato
Andrea Berni

16:00 Tea and networking

The Big Picture

Chairman: Nico H J Pijls & Divaka Perera

16:30 Coronary Physiology in complex PCI

James Spratt

16:45 How to organise an ANOCA clinic?

Peter Damman

17:00 Treating angina in 21st century

Rasha Al-Lamee

17:15 From physiology to vulnerability

Bernard De Bruyne

17:30 Q&A

17:45 Closing Remarks

Carlos Collet
Nico H J Pijls

18:45 Group Dinner



DAY 3 – Wednesday 17th April 2024

Industry Training

Coffee with the Industry

Chairman: Carlos Collet, Nils Johnson & James Spratt

8:30 Industry Registration

9:00 If I had a crystal ball in epicardial physiology...

Bernard De Bruyne

10:30 Tea and networking

11:00 If I had a crystal ball in microcirculation physiology...

Divaka Perera

12:00 Closing remarks

12:30 Lunch