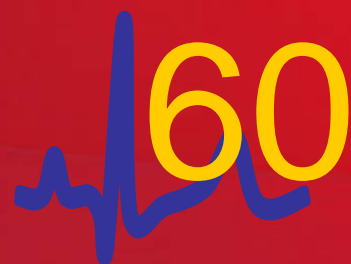


1947 Cardiology Leiden 2007

**Image Guided  
Intervention in  
Ischemic Heart Disease**  
Leiden, January 11-12  
2007, The Netherlands

**Third Leiden Cardiology Course**  
[www.eindhoven.nl](http://www.eindhoven.nl)



# IMAGE GUIDED INTERVENTION IN ISCHEMIC HEART DISEASE

## Third Leiden Cardiology Course

Dear Colleagues,

Coronary atherosclerosis will continue to be one of the most important causes of morbidity and mortality. Plaque development is a critical feature in atherosclerosis and may play a key role in myocardial ischemia and infarction. Preventive strategies, such as life style adjustment and preventive interventions in the post-infarct patient have been shown to improve survival. Within these strategies, however, many issues have still to be resolved to attain further reduction of morbidity and mortality. With advancing knowledge about the complex cellular processes of the vascular wall and development of new therapeutic strategies, innovative noninvasive imaging techniques and strategies are needed to measure and visualize these processes.

In the past decade developments in noninvasive imaging have been impressive. Technical advances nowadays allow detailed imaging of the beating heart and its structures. Moreover, the development of molecular probes opens the way to molecular imaging of cardiovascular biology and pathology. Apart from imaging atherosclerosis by identifying plaque-specific molecules, ultra-high resolution imaging techniques can be used to characterize atherosclerotic plaques on the basis of biochemical and biophysical parameters. Recent studies have shown that cardiovascular magnetic resonance (CMR) is capable of discriminating between lipid core, fibrous cap, intraplaque haemorrhage, calcification, and acute intraluminal thrombosis. Multispiral computed tomography (MSCT) is expected to offer similar capabilities and has an increasingly important role in the detection of ischemic heart disease. In addition, improved insights in genetics in coronary artery disease are around the corner.

Furthermore, new treatment modalities in ischemic heart disease are paving their way in cardiovascular medicine such as regenerative approaches, stem cell therapy, percutaneous valve replacement; surgical techniques have been developed to improve left ventricular function by mitral valve repair and surgical remodeling.

To improve the outcome of patients with ischemic heart disease, it will be necessary to implement all different treatment options in a standardized screening and treatment program guided by the most advanced imaging techniques. As a consequence, it will be necessary to familiarize with these new techniques.

The program of the 2007 meeting will therefore not only include presentations by an international faculty about a number of interesting topics but also includes hands-on MSCT-training, life-sessions in the catheterisation laboratory, and 'Read with the Experts' sessions on radiofrequency ablation, MSCT, and the value of good 'old' echocardiography as a prominent gatekeeper in ischemic heart disease. Case discussions will be used to illustrate the 2007 state of the art in image-guided management of ischemic heart disease

The Third Leiden Cardiology Course will be held at the **Leiden University Medical Center**, The Netherlands. At the end of our course Prof. Dr. P.W.J.C. Serruys, Rotterdam, will give the prestigious 25<sup>th</sup> Einthoven Lecture entitled "Future of interventional cardiology".

We are very much looking forward to meeting you in Leiden, 11 and 12 January 2007.

Jeroen J. Bax  
J.Wouter Jukema  
Martin J. Schalij,  
Ernst E. van der Wall  
Department of Cardiology  
**Leiden University Medical Center**  
The Netherlands.

Robert A.E. Dion  
Robert J.M. Klautz  
Michel I.M. Versteegh  
Department of Thoracic Surgery  
**Leiden University Medical Center**  
The Netherlands

## IMAGE GUIDED INTERVENTION IN ISCHEMIC HEART DISEASE

### Thursday January 11, 2007

12.45-13.45 Registration and lunch  
13.45-14.00 Welcome E.C. Klasen

#### Imaging in Ischemic Heart Disease Screening, Diagnosis & Prognosis

P.R.M. van Dijkman & A. de Roos (chairs)

14.00-14.30 Identification of the asymptomatic high risk patient: non imaging markers R. Erbel  
14.30-15.00 Identification of the asymptomatic high risk patient: calcium score? W. Wijns  
15.00-15.30 Non-invasive diagnosis of CHD:role of MR imaging E. Nagel

#### 15.30-16.00 Break

16.00-16.30 CT-angiography in the emergency room? P.J. de Feyter  
16.30-17.00 Identification of the vulnerable patient E. Falk  
17.00-17.30 Genetics of coronary artery disease J.W. Jukema

18.00 Transfer to Hotel

18.30-19.30 Get-together

#### 19.30 Dinner

### Friday January 12, 2007

08.15 Transfer to the LUMC

#### 09.00-12.00 Life Surgery in ischemic heart disease

Life case 1 & 2: Moderator: R.A.E. Dion

- Surgery 1: Ischemic mitral regurgitation: revascularization and valve repair M.I.M. Versteegh  
- Surgery 2: Surgical remodeling R.J.M. Klautz

#### Life from the cathlab

- Percutaneous valve replacement in congenital heart disease M.J. Schalij  
- Three vessel disease percutaneous revascularization D.E. Atsma / J.W. Jukema

#### Read with the experts

1. VT-ablation:  
Merging ICE, CT and mapping K. Zeppenfeld / L.F. Tops  
2. Hands-on CT angiography:  
How to use MSCT in clinical practice S. Schröder / J.D. Schuijf  
3. Echo demonstration:  
Low EF, low gradient aortic stenosis L. Piérard / E.R. Holman  
Ischemic mitral regurgitation: role of exercise echocardiography

#### 12.00-13.30 Lunch

#### Treatment of Ischemic Heart Disease

M.I.M. Versteegh & E.E. van der Wall (chairs)

13.30-14.00 Update in the surgical treatment of IMR R.A.E. Dion  
14.00-14.30 Hemodynamic evaluation of coronary artery stenosis N.H.J. Pijls  
14.30-15.00 Ventricular remodeling in ischemic heart disease R.J.M. Klautz

#### 15.00-15.30 Break

15.30-16.00 Percutaneous valve replacement J.G. Webb  
16.00-16.30 Cell therapy in acute myocardial infarction S. Janssens

#### Einthoven Lecture 2007

16.30-17.15 Future of interventional cardiology P.W.J.C. Serruys  
17.15-17.25 Presentation of the Einthoven Award 2007 D.D. Breimer  
17.25-17.35 Closing remarks E.E. van der Wall

# IMAGE GUIDED INTERVENTION IN ISCHEMIC HEART DISEASE

## Third Leiden Cardiology Course

### FACULTY

D.E. Atsma	Leiden University Medical Center, Leiden, The Netherlands
J.J. Bax	Leiden University Medical Center, Leiden, The Netherlands
D.D. Breimer	Rector Magnificus Leiden State University, Leiden, The Netherlands
R.A.E. Dion	Leiden University Medical Center, Leiden, The Netherlands
P.R.M. van Dijkman	Bronovo Hospital, The Hague, The Netherlands
R. Erbel	Medical Clinic & Poli-clinic University GHS, Essen, Germany
E. Falk	Skejby University Hospital, Aarhus, Denmark
P.J. de Feyter	Erasmus Medical Center, Rotterdam, The Netherlands
E.R. Holman	Leiden University Medical Center, Leiden, The Netherlands
S. Janssens	Gasthuisberg University Hospital, Leuven, Belgium
J.W. Jukema	Leiden University Medical Center, Leiden, The Netherlands
E.C. Klasen	Dean of the Faculty, Leiden University Medical Center, Leiden,
R.J.M. Klautz	Leiden University Medical Center, Leiden, The Netherlands
E. Nagel	Deutsches Herzzentrum Berlin, Berlin, Germany
L. Piérard	Centre Hospitalier Universitaire du Sart-Tilman, Liège, Belgium
N.H.J. Pijls	Catharina Hospital, Eindhoven, The Netherlands
A. de Roos	Leiden University Medical Center, Leiden, the Netherlands
M.J. Schalij	Leiden University Medical Center, Leiden, The Netherlands
J. Schuijf	Leiden University Medical Center, Leiden, The Netherlands
S. Schröder	Eberhard-Karls-University, Tübingen, Germany
P.W.J.C. Serruys	Erasmus Medical Center, Rotterdam, The Netherlands
L.F. Tops	Leiden University Medical Center, Leiden, The Netherlands
M.I.M. Versteegh	Leiden University Medical Center, Leiden, The Netherlands
E.E. van der Wall	Leiden University Medical Center, Leiden, The Netherlands
J.G. Webb	St. Paul's Hospital, Vancouver, British Columbia, Canada
W. Wijns	Onze-Lieve-Vrouw Ziekenhuis (O.L.V.Z.), Aalst, Belgium
K. Zeppenfeld	Leiden University Medical Center, Leiden, The Netherlands

### Faculty disclosure statement

All faculty participating in this meeting are expected to disclose the audience any commercial affiliations related to the content of their presentation.

### Congress Language

The official language of the Meeting is **English**.

### Educational information

The meeting will be organized under auspices of **The Netherlands Society of Cardiology**.

### EBAC Accreditation 2007

9 external CME credits (for both days).



# IMAGE GUIDED INTERVENTION IN ISCHEMIC HEART DISEASE

## Third Leiden Cardiology Course

### Congress secretariat

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Leiden University Medical Center  
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2300 RC Leiden, The Netherlands  
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Fax: #31-(0)71-526 6809  
E-mail: [cardio@lumc.nl](mailto:cardio@lumc.nl)  
Info: [www.eindhoven.nl](http://www.eindhoven.nl)

### Congress venue

The meeting will be organized at the Leiden University Medical Center, Albinusdreef 2, Leiden, The Netherlands  
All the lectures will take place in the lecture-rooms of the LUMC. Further information at the registration desk.

### Coming by:

#### Car

Please use the parking garage of the Leiden University Medical Center  
Parking ticket is available at the registration desk

#### Train

The Leiden University Medical Center is very closely located near the West-entrance of the Leiden Central Station

#### Plane

Take the train at the airport train station; it is a twenty minute trip to Leiden Central Station.  
The Leiden University Medical Center is very closely located near the West-entrance of the Leiden Central Station

### Registration

Please register on line: [www.eindhoven.nl](http://www.eindhoven.nl) (congressen -> Leiden Cardiology Course 2007)  
or with the (enclosed) registration form

Registration at reduced fee will be possible until November First 2006

Registration fee in Euro	EARLY FEE (UNTIL November 1)	BY FAX OR EMAIL
Standard fee	€ 150	€ 250
Fellows	€ 75*	€ 75*

\*A written statement from the head of the department will be necessary to register as fellow.  
Fee includes dinner at the 11th of January 2007

### Registration desk at the congress (ground floor "Boerhaaveplein")

All congress documents and access badges will be handed out to the registered participants at the registration desk at the congress.

### Address during the congress

January 11-12, 2007  
Leiden University Medical Center  
Albinusdreef 2  
2333 ZA Leiden, The Netherlands  
Phone: #31-71-526 2020  
Fax: #31-71-526 6809  
E-mail: [cardio@lumc.nl](mailto:cardio@lumc.nl)  
Congress site: [www.eindhoven.nl](http://www.eindhoven.nl)