

EMC COEUR-09 - Cardiovascular Research School Erasmus MC Rotterdam

Programme design in brief

1. Cardiovascular Biology and Pharmacology

Molecular basis, pathophysiology and therapy of obstructive coronary artery disease, cardiac and coronary remodelling and heart failure

2. Vascular Medicine Hemostasis and Stroke

The clinical complement to the previous theme. Cardiovascular genetics, blood pressure regulation and vascular medicine, thrombotic and bleeding disorders, acute and chronic cardiovascular disease

3. Image-guided Cardiovascular Medicine

Fundamental and clinical research of novel diagnostic imaging modalities

4. Surgical- Interventional and Device Therapy of Cardiovascular Disease

Clinical application and implementation of new diagnostic and therapeutic techniques.

Local drug delivery cell therapy vascular interventions and other device therapy

5. Congenital Heart Disease

Small but important theme focussing on major structural congenital cardiac abnormalities and their management

6. Neurovascular and Cardiovascular Clinical Epidemiology

Risk modelling rational, predictive thinking and implementation of appropriate diagnostic and therapeutic measures across a wide range of clinical cardiovascular syndromes and procedures.

Key figures

Department	SP1	SP2	SP3	SP4	SPtot	T1	T2	T3	Ttot	IS	FS	OP	Ptot
anesthesiology	2,18	1,47	0	4,72	8,37								
cardiac surgery	7,43	1,6	0	0,8	9,83								
cardiology	25,47	0,9	0,75	1,3	28,42								
epidemiology	0	0	0,5	0	0,5								
gynaecology/obstetrics	0,3	0	0	0	0,3								
hematology	1,15	0	1	2,35	4,5								
internal medicine	7,19	0	4,15	3,5	14,84								
neurology	3,75	3	0,4	1,38	8,53								
radiology	3,58	0,13	0	0	3,71								
Total	51,05	7,1	6,8	14,05	79	25	0	0	25	415	111	25	576

Thesis

Anwar, A.M. (2009, november 25). New applications for real time three dimensional echocardiography. EUR. Prom./coprom.: Prof.Dr. M.L. Simoons & Dr. F.J. ten Cate.

Barlis, P. (2009, mei 27). The Use of Intra-Coronary Optical Coherence Tomography in Interventional Cardiology: Safety, Feasibility and Clinical Applications. EUR. Prom./coprom.: Prof.Dr. P.W.J.C. Serruys, Drs. C. di Mario & Dr. E.S. Regar.

Dalen, B.M. van (2009, september 23). Left ventricular twist. EUR. Prom./coprom.: Prof.Dr. M.L. Simoons & Dr. M.L. Geleijnse.

D'Ancona, G.F.M. (2009, oktober 28). Intraoperative flow measurement in coronary artery surgery. EUR. Prom./coprom.: Prof.Dr. A.J.J.C. Bogers & Dr. A.P. Kappetein.

Driel, L.M.J.W. van (2009, november 03). Methylation, lifestyle and genes in the pathogenesis and prevention of human congenital heart diseases. EUR (149 pag.) (Rotterdam: Optima Grafische Communicatie). Prom./coprom.: Prof.Dr. E.A.P. Steegers, Prof.Dr. W.A. Helbing & Dr. R.P.M. Steegers-Theunissen.

Dunkelgrun, M. (2009, februari 04). Risk identification and reduction strategies in surgical patients. EUR. Prom./coprom.: Prof.Dr. D. Poldermans & Prof.Dr.Ir. E. Boersma.

Emmer, M. (2009, januari 23). The onset of bubble vibration. EUR. Prom./coprom.: N. de Jong & Prof.Dr.Ir. A.F.W. van der Steen.

Eralp, I. (2009, september 30). The role of the epicardium in heart development. EUR. Prom./coprom.: Prof.Dr. A.J.J.C. Bogers, A.C. Gittenberger-De Groot & H Lie-Venema.

Garcia Garcia, H.M. (2009, mei 27). Invasive Imaging of Coronary Atherosclerosis. EUR. Prom./coprom.: Prof.Dr. P.W.J.C. Serruys.

Groeneweg, J.G. (2009, september 09). Cold case: vascular dysregulation in the chronic complex regional pain syndrome. EUR. Prom./coprom.: Prof.Dr. J. Klein.

Hartman, M. (2009, januari 14). Ultrasonography of the LIMA graft. EUR. Prom./coprom.: Prof.Dr. A.J.J.C. Bogers & Dr. A.P. Kappetein.

Hertog, M.H. den (2009, november 12). Bodey temperature and inflammation in acute stroke: implications for prognosis and treatment. EUR (199 pag.). Prom./coprom.: Prof.Dr. P.J. Koudstaal, Dr. D.W.J. Dippel & H.B. van der Worp.

Krop, M. (2009, november 26). (Pro) renin revisited: new insights from studies in mast cells. EUR. Prom./coprom.: Prof.Dr. A.H.J. Danser.

Leung, K.Y.E. (2009, oktober 28). Automated analysis of 3D stress echocardiography. EUR. Prom./coprom.: Prof.Dr.Ir. A.F.W. van der Steen, N. de Jong & Ir. J. Bosch.

Meijboom, W.B. (2009, maart 18). Diagnostic performance of 64- slice ct coronary angiography. EUR. Prom./coprom.: Prof.Dr. P.J. de Feyter & Prof.Dr. G.P. Krestin.

Meliga, E. (2009, mei 27). New frontiers in percutaneous interventions. EUR. Prom./coprom.: Prof.Dr. P.W.J.C. Serruys.

Merks, E.J.W. (2009, juni 17). Instantaneous ultrasonic assessment of urinary bladder volume. EUR. Prom./coprom.: N. de Jong & Prof.Dr.Ir. A.F.W. van der Steen.

Mieghem, C.A.G. van (2009, januari 21). CT coronary Angiography: validation and clinical implementation. EUR. Prom./coprom.: Prof.Dr. P.J. de Feyter, Prof.Dr. P.W.J.C. Serruys & Dr. N.R.A. Mollet.

Net, J.B. van der (2009, januari 28). Towards genetic prediction of coronary heart disease in familial hypercholesterolemia. EUR (173 pag.). Prom./coprom.: Prof.Dr. S.W.J. Lamberts & Prof.Dr. E.W. Steyerberg.

Noordeloos, M.M. (2009, juni 18). Molecular mechanics of heme oxygenase-1 mediated cytoprotection in cardiovascular disease. EUR. Prom./coprom.: Prof.Dr. M.L. Simoons & Dr. H.J. Duckers.

Rivero Ayerza, M.J. (2009, april 01). Clinical cardiac electrophysiology and heart failure: impact of electrical disorders and their treatment. EUR. Prom./coprom.: Prof.Dr. L.J.L.M. Jordaens.

Rudez, G. (2009, november 03). Role of P2RY12 gene variants and biological variation in arterial thrombosis. EUR (224 pag.). Prom./coprom.: Prof.Dr. F.W.G. Leebeek & Dr. M.P.M. de Maat.

Schouten, O. (2009, april 15). Perioperative cardiovascular risk stratification and modification. EUR. Prom./coprom.: Prof.Dr. D. Poldermans.

Uil, C.A. den (2009, november 25). The microcirculation in severe heart failure and cardiogenic shock. EUR. Prom./coprom.: Prof.Dr. M.L. Simoons, Dr. W.K. Lagrand & P.E. Spronk.

Weert, T.T. de (2009, februari 06). Atherosclerotic carotid plaque assessment with multidetector computed tomography angiography. EUR (208 pag.). Prom./coprom.: Prof.Dr. P.M.T. Pattynama, Dr. A. van der Lugt & Dr. D.W.J. Dippel.

Article/Letter to the editor

Adan, I., Bekkers, J., Dellaert, NP, Vissers, J.M.H. & Yu, X. (2009). Patient mix optimisation and stochastic resource requirements: A case study in cardiothoracic surgery planning. *Health Care Management Science*, 12, 129-141.

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