



Universiteit
Leiden
The Netherlands

New insights in mechanism, diagnosis and treatment of myocardial infarction

Bergheanu, S.C.

Citation

Bergheanu, S. C. (2011, April 21). *New insights in mechanism, diagnosis and treatment of myocardial infarction*. Retrieved from <https://hdl.handle.net/1887/17588>

Version: Corrected Publisher's Version

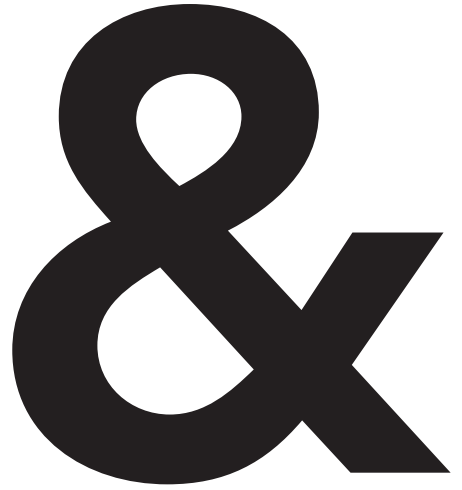
License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/17588>

Note: To cite this publication please use the final published version (if applicable).

APPENDIX

LIST OF PUBLICATIONS
ACKNOWLEDGEMENTS
CURRICULUM VITAE



LIST OF PUBLICATIONS

Sandrin C. Bergheanu, Douwe Pons, Ioannis Karalis, Orcun Ozsoy, Jeffrey J.W. Verschuren, Mark M. Ewing, Paul H.A. Quax, J. Wouter Jukema. **Potential genetic determinants of adverse outcome after stent implantation: results, limitations and perspectives.** *Interv Cardiol.* 2010;2:147-157.

Sandrin C. Bergheanu, Ayman K. M. Hassan, Theo Stijnen, Bas L. van der Hoeven, Jaapjan D. Snoep, Josepha W.M. Plevier, Martin J. Schalij, J. Wouter Jukema. **Late stent malapposition risk is higher after drug-eluting stent compared to bare-metal stent implantation and associates with late stent thrombosis.** *Eur Heart J.* 2010;31:1172-1180.

Sandrin C Bergheanu, Douwe Pons, Bas L van der Hoeven, Su-San Liem, Bob Siegerink, Martin J Schalij, Johanna G van der Bom, J Wouter Jukema. **The Caspase-1 5352 A Allele Predicts Late Acquired Stent Malapposition in STEMI Patients Treated with Sirolimus Stents.** *Heart Vessels.* In Press.

Jael Z. Atary, Sandrin C. Bergheanu, Bas L. van der Hoeven, Douwe E. Atsma, Marianne Bootsma, Frank van der Kley, Katja Zeppenfeld, J. Wouter Jukema, Martin J. Schalij. **Impact of sirolimus-eluting stent implantation compared to bare-metal stent implantation for acute myocardial infarction on coronary plaque composition at nine months follow-up: a Virtual Histology intravascular ultrasound analysis. Results from the Leiden MISSION! intervention study.** *EuroIntervention* 2009;5:565-72.

Sandrin C. Bergheanu, Bas L. van der Hoeven, Ayman K. M. Hassan, Jouke Dijkstra, Su-San Liem, Frits R. Rosendaal, Martin J. Schalij, Johanna G. van der Bom, J. Wouter Jukema. **Post-Intervention IVUS and Very Late In-Stent Thrombosis in Drug-eluting Stents.** *Acta Cardiol.* 2009;64(5):611-6.

Ayman K.M. Hassan, Sandrin C. Bergheanu, Hosam Hasan-Ali, MD, Su San Liem, Arnoud van der Laarse, Ron Wolterbeek, Douwe E. Atsma, Martin J. Schalij, J. Wouter Jukema. **Usefulness of Peak Troponin-T to Predict Infarct Size and Long-Term Outcome in Patients with First Acute Myocardial Infarction after Primary Percutaneous Coronary Intervention.** *Am J Cardiol.* 2009; 103(6):779-84.

Bas L. van der Hoeven, Su-San Liem, Jouke Dijkstra, Sandrin C. Bergheanu, Hein Putter, M. Louisa Antoni, Douwe E. Atsma, Marianne Bootsma, Katja Zeppenfeld, J. Wouter Jukema, Martin J. Schalij. **Stent Malapposition After Sirolimus-Eluting and Bare-Metal Stent Implantation in Patients with ST-Segment Elevation Myocardial Infarction: Acute and 9-Month Intravascular Ultrasound Results of the MISSION! Intervention Study.** *J Am Coll Cardiol Interv.* 2008;1:192-201.

Ayman K.M. Hassan, Su San Liem, Frank van der Kley, Sandrin C. Bergheanu, Ron Wolterbeek, Bas van der Hoeven, Arnoud van der Laarse, Douwe E. Atsma,



J. Wouter Jukema, Martin J. Schalij. **In-Ambulance Abciximab Administration in STEMI Patients undergoing Primary PCI is associated with smaller infarct size, improved LV function and lower incidence of heart failure: Results from the Leiden MISSION! infarct treatment optimization program.** *Catheter Cardiovasc Interv.* 2009;74(2):335-43.

Ioannis K. Karalis, **Sandrin C. Bergheanu**, Geesje M. Dallinga-Thie, Ron Wolterbeek, Arie van Tol, Anho H. Liem, J. Wouter Jukema. **Effect of increasing doses of rosuvastatin and atorvastatin on apolipoproteins, enzymes involved in lipoprotein metabolism and inflammatory parameters. Detailed results of the prospective randomized RADAR study (Rosuvastatin and Atorvastatin in different Dosages and Reverse Cholesterol Transport).** *Curr Med Res Opin.* 2010; 26:2301-13.

JW Jukema, **SC Bergheanu**. **Statins: established indications and controversial subgroups.** *Heart.* 2008;94(12):1656-1662.

Sandrin C. Bergheanu, Theo Reijmers, Aeilko H. Zwinderman, Ivana Bobeldijk, Raymond Ramaker, An-Ho Liem, Jan van der Greef, Thomas Hankemeier, J. Wouter Jukema. **Lipidomic approach to evaluate statins at various dosages. An investigation into differential effects among statins.** *Curr Med Res Opin.* 2008;24(9):2477-87.



S.C. Bergheanu, A. van Tol, G.M. Dallinga-Thie, A. Liem, PHJ. Dunselman, JG. Van Der Bom, JW. Jukema. **Effect of rosuvastatin versus atorvastatin treatment on paraoxonase-1 activity in men with established cardiovascular disease and a low HDL-cholesterol.** *Curr Med Res Opin.* 2007;23(9):2235-40.

Sandrin C. Bergheanu, Arnoud van der Laarse, Johanna G. van der Bom, Bas L. van der Hoeven, Saskia le Cessie, Margreet G. de Jong, Su-San Liem, Martin J. Schalij, J. Wouter Jukema. **Asymmetric Dimethylarginine (ADMA) levels display a morning peak in patients with acute myocardial infarction.** *Dis Markers.* In Press.

Sandrin C. Bergheanu, Dowe Pons, J. Wouter Jukema, Bas L. van der Hoeven, Su-san Liem, Jan P. Vandenbroucke, Frits R. Rosendaal, Saskia le Cessie, Martin J. Schalij, Johanna G. van der Bom. **Circadian plasminogen activator inhibitor 1 (PAI-1) expression does not contribute to the circadian variation in cardiac risk.** *Chronobiol Int.* 2009;26(4): 637-652.

Tarek A. N. Ahmed, **Sandrin C. Bergheanu**, Theo Stijnen, JosephaW.M.Plevier, Paul H.A. Quax, J. Wouter Jukema. **Clinical performance of drug eluting stents with biodegradable polymeric coating, a meta-analysis and systematic review.** *Submitted Eur Heart J.*

ACKNOWLEDGEMENTS

I would like to express my gratitude to all those exceptional people who have influenced my life and career so far. Since luckily enough they are quite a few I will name them chronologically. Razvan Multescu, well-known young Romanian urologist, is since I remember a true model of character to me. Dr. Florin Filipoiu is a great anatomy teacher who continues to inspire generations of students during their first years of medical studies. Dr. Nicolae Verga is an exceptional radiology tutor and a strongly research motivating person. Professor Doina Dimulescu, Romanian and international leading cardiologist, had a great impact on my education and career and deserves special thanks. My colleagues Irina, Radu, Costin, Razvan and Adi are wonderful people and valuable friends.

Professor Ulrich Sigwart, the father of interventional cardiology, who I had the luck to meet and briefly work with during my stay in Switzerland inspired many young physicians with his knowledge, dedication and immense kindness. Sazyie Karaca, Mustafa Cikricioglu and Aristotelis Panos, talented cardiac surgeons, helped me immensely by being my friends.

Leiden University Medical Center (LUMC) is an exceptional academic hospital, truly unique, which gathers many internationally acclaimed experts. An enormous "thank you" to the great doctors from LUMC who supervised my work, motivated and guided me. I express my gratitude to all my great colleagues from the Cardiology and Clinical Epidemiology departments. Here I would like to specially name Bas, Douwe, Jiannis, Su-San, Ellen, Jael, Ayman, Tarek, Frank, Fabrizio, Saurabh, Christianne, Orcun, Dinanda, Rutger, Jaap-Jan, Bob and Renee. Special thanks to Yvonne, Talitha and Cora. Many thanks, as well, for their support to my "new" colleagues Roxana, Alette, Tessel, Reza, Arnaud, Adrian, Marcien, Robert, Pascale, Bastiaan, Greetje and Tim.

At last but most important I would like to thank my mother, my wonderful wife Andreea, and my son Wouter Sandrin to whom I owe everything.

This book is written in the memory of my father. My world is now infinitely poorer...



CURRICULUM VITAE

Sandrin Bergheanu is born on 12 September 1979 in Bucharest, Romania. In 1995 he graduated the English-Romanian "George Cosbuc" high-school in Bucharest. Further he studied bio-chemistry for one year at the University of Bucharest and later medicine at the state University of Medicine and Pharmacy "Carol Davila" in Bucharest. In 2003 and 2004 he followed Cardiology internships at the Department of Cardiology at University Hospital of Geneva, Switzerland, under the guidance of Professor U. Sigwart. During the last two years of medical studies he conducted research in the field of myocardial infarction therapy under the guidance of Professor Doina Dimulescu at Elias University Hospital of Bucharest. In 2005 he sustained the final exam and the diploma defence and obtained the medical degree. He started an internship at the Department of Cardiovascular Surgery at University Hospital of Geneva, Switzerland under the guidance of Professor A. Kalangos. In February 2006 he started a three-month research project within the Departments of Clinical Epidemiology and Cardiology at Leiden University Medical Center, Leiden (LUMC), The Netherlands. This was followed by a full-time PhD program that started in September 2006. Currently he is Cardiology resident within LUMC.



