QCA-CMS® References

1. Zwet PMJ van der, Pinto IMF, Serruys PW, Reiber JHC.
   A new approach for the automated definition of path lines in digitized coronary
   angiograms.
   *Int J Cardiac Imaging* 1990; 5: 75-83.

2. Reiber JHC.
   An overview of coronary quantitation techniques as of 1989.
   *In: Quantitative Coronary Arteriography. JHC Reiber, PW Serruys, editors.

3. Kirkeeide RL.
   Coronary obstructions, morphology and physiologic significance.
   *In: Quantitative Coronary Arteriography. JHC Reiber, PW Serruys, editors.

4. Reiber JHC, Serruys PW.
   Quantitative Coronary Angiography.
   *In: Cardiac Imaging. ML Marcus, DJ Skorton, HR Schelbert, GL Wolf, editors.

5. Land CD von, Rao SR, Reiber JHC.
   Development of an improved centreline wall motion model.

6. Koning G, Zwet PMJ van der, Land CD von, Reiber JHC.
   Angiographic assessment of dimensions of 6F and 7F Mallinckrodt Softouch
   coronary contrast catheters from digital and cine arteriograms.

7. Lespérance J, Waters D.
   Measuring progression and regression of coronary atherosclerosis in clinical trials:
   problems and progress.
   *Int J Cardiac Imaging* 1992; 8: 165-73.

8. Reiber JHC, Zwet PMJ van der, Koning G, Land CD von, Dumay ACM.
   Quantitative coronary arteriography; current and future perspectives.
   *Cardiology Today and Tomorrow. Acts of the 4th International Cardiology

9. Zwet PMJ van der, Reiber JHC.
   A new algorithm to detect irregular coronary boundaries: the Gradient Field
   Transform.

10. Reiber JHC, Zwet PMJ van der, Koning G, Land CD von, Gerbrands JJ,
    Schalij M, Benthem AC van, Buis B.
    Perspectives of routine quantitative coronary arteriography.
Vergelijking tussen directe coronaire angioplastiek en intraveneuze streptokinase bij het acute myocardinfarc.

Design features of a controlled clinical trial to assess the effect of an HMG CoA reductase inhibitor on the progression of coronary artery disease.
Controlled Clinical Trials 1993; 14: 45-74.

Safety, success, and restenosis after elective coronary implantation of the Palmaz-Schatz stent in 100 patients at a single center.

A comparison of immediate coronary angioplasty with intravenous streptokinase in acute myocardial infarction.

A comparison of directional atherectomy with balloon angioplasty for lesions of the left anterior descending coronary artery.

Quantitative coronary arteriography: equipment and technical requirements.

17. Beauman GJ, Reiber JHC, Koning G, Vogel RA.
Variability of QCA-core laboratory assessments of coronary anatomy.

18. Zijlstra F, Boer MJ de, Hoornjte JCA, Reiber JHC, Suryapranata H.
Clinical and quantitative angiographic results of a randomized trial comparing direct coronary angioplasty with intravenous streptokinase in acute myocardial infarction.

Digital geometric measurements in comparison to cinefilm analysis of coronary artery dimensions.
20. **Foley JB, Brown RIG, Penn IM.**
Restenosis following elective implantation of single Palmaz-Schatz stents in de-novo lesions in native vessels.
*Coronary Artery Disease 1994; 5: 73-80.*

21. **Syvänen M, Nieminen MS, Frick MH.**
Accuracy and precision of quantitative arteriography in the evaluation of coronary artery disease after coronary bypass surgery.

Dipyridamole-dobutamine echocardiography: A novel test for the detection of milder forms of coronary artery disease.

23. **Holmes Jr DR, Topol EJ, Adelman AG, Cohen EA, Califf RM.**
Randomized trials of directional coronary atherectomy: implications for clinical practice and future investigation.
*J Am Coll Cardiol 1994; 24: 431-9.*

24. **Reiber JHC, Jukema W, Boven A van, Houdt RM van, Lie KI, Bruschke AVG.**
Catheter sizes for quantitative coronary arteriography.
*Cathet Cardiovasc Diagn 1994; 33: 153-5.*

Pros and cons of perfusion balloons in failed angioplasty.
*Cathet Cardiovasc Diagn 1994; 31: 264-9.*

Effects of monotherapy with an HMG-CoA reductase inhibitor on the progression of coronary atherosclerosis as assessed by serial quantitative arteriography. The Canadian Coronary Atherosclerosis Intervention Trial.
*Circulation 1994; 89: 959-68.*

Stress echocardiography in the detection of myocardial ischemia.
*Circulation 1994; 90: 1168-76.*

28. **Foley JB, Brown RIG, Penn IM.**
Thrombosis and restenosis after stenting in failed angioplasty: comparison with elective stenting.

29. **Reiber JHC.**
The Cineless catheterization laboratory.
*Cardiologie 1994; 1: 369-76.*
30. **Reiber JHC.**
Why and how should QCA systems be validated?

31. **Reiber JHC, Koning G, Land CD von, Zwet PMJ van der.**
Why and how should QCA systems be validated?

32. **Reiber JHC, Land CD von, Koning G, Zwet PMJ van der, Houdt RCM van, Schalij MJ, Lespérance J.**
Comparison of accuracy and precision of quantitative coronary arterial analysis between cinefilm and digital systems.

33. **Beauman GJ, Reiber JHC, Koning G, Houdt RCM van, Vogel RA.**
Angiographic core laboratory analyses of arterial phantom images: comparative evaluations of accuracy and precision.

34. **Reiber JHC, Zwet PMJ van der, Koning G, Land CD von, Bosch JG, Maurincomme E, Geest R van der, Gerbrands JJ.**
Perspectieven in beeldvorming en beeldverwerking.

35. **Boer MJ de, Reiber JHC, Suryapranata H, Brandt MJB van den, Hoornntje JCA, Zijlstra F.**
Angiographic findings and catheterization laboratory events in patients with primary coronary angioplasty or streptokinase therapy for acute myocardial infarction.
*Eur Heart J 1995; 16: 1347-55.*

36. **Zwet PMJ van der, Reiber JHC.**
A new approach for the quantification of complex lesion morphology: The Gradient Field Transform: Basic principles and validation results.

37. **Nissen SE, Pepine CJ, Bashore TM, Block PC, Bonchek LI, Brinker JA, et al.**
Cardiac angiography without cinefilm: Erecting a "Tower of Babel" in the cardiac catheterization laboratory.
*J Am Coll Cardiol 1994; 24: 834-7.*

38. **Reiber JHC, Koning G, Schiemanck LR, Zwet PMJ van der.**
La place de l'informatique en cardiologie. Partie 10: Validation des systèmes ACQ, finalités et modalités.
*J Cardiol 1995; 7: 151-61.*
39. **Reiber JHC, Koning G, Schiemanck LR, Zwet PMJ van der.**
   Computergebruik in de cardiologie. Deel 10: Validatie van QCA-systemen, waaron en hoe?

40. **Desmet W, De Scheerder I, Beatt K, Huehns T, Piessens J.**
   In vivo comparison of different quantitative edge detection systems used for measuring coronary arterial diameters.

41. **Reiber JHC (Editorial comment).**
   In vivo comparison of different quantitative edge detection systems used for measuring coronary arterial diameters.

42. **Foley JB.**
   Alterations in reference vessel diameter following intracoronary stent implantation: important consequences for restenosis based on percent diameter stenosis.

43. **Zwet PMJ van der, Reiber JHC (Editorial Comment).**
   Overestimation of small vessel sizes by QCA.

44. **Moreu J, Silver MT, Palacios IF, Jang I-K.**
   Morphologic characteristics of restenotic lesions following coronary interventions: Balloon angioplasty versus directional atherectomy: Can we speculate about the mechanism of restenosis from morphologic analysis?

45. **Faire U de, Ericsson C-G, Hamsten A, Nilsson J.**
   Design features of a five-year bezafibrate coronary atherosclerosis intervention trial (BECAIT).

   Comparative validation of quantitative coronary angiography systems. Results and implications from a multicenter study using a standardized approach.

47. **Jukema JW, Bruschke AVG, Boven AJ van, Reiber JHC, Bal ET, Zwinderman AH, Jansen H, Boerma GJM, Rappard FM van, Lie KI.**
   Effects of lipid lowering by pravastatin on progression and regression of coronary artery disease in symptomatic men with normal to moderately elevated serum cholesterol levels. The regression growth evaluation statin study (REGRESS).

   Evolution of quantitative coronary arteriography.
49. Zwet PMJ van der, Meyer DJH, Reiber JHC.
Automated and accurate assessment of the distribution, magnitude and direction of pincushion distortion in angiographic images.

50. Hausleiter J, Nolte CWT, Jost S, Wiese B, Sturm M, Lichtlen PR.
Comparison of different quantitative coronary analysis systems: ARTREK, CAAS and CMS.

51. Reiber JHC (Editorial Comment).

52. Beauman GJ, Reiber JHC, Koning G, Vogel RA.
Comparisons of angiographic core laboratory analyses of phantom and clinical images: Interlaboratory Variability.

53. Reiber JHC, Koning G, Zwet PMJ van der, Schiemanck LR.
Inaccuracy of quantitative coronary angiography when analyzed from S-VHS videotape.

54. Legrand V, Raskinet B, Martinez C, Kubertus H.
Variability in estimation of coronary dimensions from 6F and 8F catheters.

55. Reiber JHC (Editorial Comment).

56. Jukema JW, Boven AJ van, Reiber JHC, Zwinderman AH, Lie KI, Bruschke AVG.
Clinical efficacy and safety of pravastatin treatment in symptomatic patients - the REGRESS trial.

57. Reiber JHC, Jukema JW, Koning G, Bruschke AVG.
Quality control in quantitative coronary arteriography.

58. Kimball BP, Cohen EA, Adelman AG.
Influence of stenotic lesion morphology on immediate and long-term (6 months) angiographic outcome: comparative analysis of directional coronary atherecotomy versus standard balloon angioplasty.

Primary angioplasty in the management of patients with acute myocardial infarction.
The Thoraxcentre Journal 1996; 8: 9-17.
60. Tresukosol D, Schalij MJ, Savalle LH, Jukema JW, Buis B, Reiber JHC, Bruschke AVG.
Micro Stent™, quantitative coronary angiography, and procedural results.

61. Natarajan MK, Bowman KA, Chrisholm RJ, Adelman AG, Isner JM, Chokshi SK, Strauss BH.
Excimer laser angiography vs. balloon angioplasty in saphenous vein bypass grafts: Quantitative angiographic comparison of matched lesions.

Angiographic results and late clinical outcomes utilizing a stent synergy (pre-stent atheroablation) approach in complex lesion subsets.
*J Invas Cardiol* 1996; 8: 15-22.

Carotid stent - Assisted angioplasty: preliminary technique, angiography, and intravascular ultrasound observations.

64. Hausleiter J, Dirschinger J, Kreis A, Schönig A.
The role of image distortion in quantitative coronary arteriography.

State of the art in quantitative coronary arteriography as of 1996.

66. Cusma JT, Bashore TM.
The digital catheterization laboratory - is it practical today?

67. Goedhart B, Reiber JHC.
The role of DICOM in the digital catheterization laboratory.

68. Bourassa MG, Lespérance J.
Assessing coronary stenosis: by which method and for what purpose?

69. Gottsauer-Wolf M, Sochor H, Moertl D, Gwechenberger M, Stockenhuber F, Probst P.
Assessing coronary stenosis. Quantitative coronary angiography versus visual estimation from cine-film or pharmacological stress perfusion images.
70. Mongiardo R, Finocchiaro ML, Beltrame J, Pristipino C, Lombardo A, Cianflone D, Mazzari MA, Maseri A.
Low incidence of serotonin-induced occlusive coronary artery spasm in patients with recent myocardial infarction.
Am J Cardiol 1996; 78: 84-7.

Safety and efficacy of elective stent implantation following atherectomy in large calcified coronary arteries.

72. Veen G, Cock C de, Verheugt FWA.
Quantitative assessment of remodeling of culprit coronary lesions after successful thrombolysis for acute myocardial infarction.
In: Angiographic aspects of reperfusion therapy for acute myocardial infarction. G Veen, Thesis Free University of Amsterdam 1996; Ch. 4: 75-110.

73. Veen G, Boer M-J de, Zijlstra F, Verheugt FWA.
Major improvement in clinical and angiographic outcome after successful primary angioplasty for acute myocardial infarction: comparison with successful thrombolysis.
In: Angiographic aspects of reperfusion therapy for acute myocardial infarction. G Veen, Thesis Free University of Amsterdam 1996; Ch. 7: 155-75.

74. Robert N, Yaffe MJ, Langer A.
Variations in measured vessel diameters using coronary measurement system.

75. El Setiha M, El Gamal M, Koolen J, Pijls N, Bonnier H, Michels R.
Coronary stenting for failed angioplasty in acute myocardial infarction.

76. Reiber JHC.
QCA and cine film exposure: Editorial Comment.

77. Lespérance J, Campeau L, Reiber JHC, Bois M, Dyrdia I, Laurier J, Hudon G.
Validation of coronary artery saphenous vein bypass graft diameter measurements using quantitative angiography.

Angiographic features of vein grafts versus ungrafted coronary arteries in patients with unstable angina and previous bypass surgery.

High dose adenosine stress echocardiography for noninvasive detection of coronary artery disease.


90. Glazier JJ, Hirst JA, Kiernan FJ, Fram DB, Eldin AM, Primiano CA, Mitchel JF, McKay RG.
Site-specific intracoronary thrombolysis with urokinase-coated hydrogel balloons:
acute and follow-up studies in 95 patients.
Cathet Cardiovasc Diagn; 1997; 41: 246-53.

91. Glazier JJ, Kiernan FJ, Bauer HH, Fram DB, Primiano CA, Mitchel JF,
Dougherty JE, McKay RG.
Treatment of thrombotic saphenous vein bypass grafts using local urokinase
infusion therapy with the dispatch catheter.
Cathet Cardiovasc Diagn; 1997; 41: 261-7.

Sehnert C, Altmair K, Groenemeyer D, Seibel R, Erbel R.
Comparison of electron beam computed tomography with intracoronary ultrasound
and coronary angiography for detection of coronary atherosclerosis.
J Am Coll Cardiol; 1997; 30: 57-64.

Di Mario C, Colombo A.
Long-term clinical follow-up after successful repeat percutaneous intervention for
stent restenosis.

94. Baur LHB, Schipperheyn JJ, Wall EE van der, Velde EA van der, Schalij MJ,
Eck-Smit BLF van, Laarne A van der, Voogd PJ, Sedney MI, Reiber JHC, Bruschke AVG.
Beneficial effect of enalapril on left ventricular remodelling in patients with a
severe residual stenosis after acute anterior wall infarction.

95. Tardif J-C, Côté G, Lespérance J, Bourassa M, Lambert J, Doucet S,
Bilodeau L, Nattel S, Guise P de.
Probucol and multivitamins in the prevention of restenosis after coronary
angioplasty.

96. Dietz U, Rupprech H-J, Brennecke R, Fritsch H-P, Wolttmann J,
Blankenberg S, Meyer J.
Comparison of QCA systems.

97. Pajunen P, Nieminen MS, Taskinen M-R, Syvänne M.
Quantitative comparison of angiographic characteristics of coronary artery disease
in patients with noninsulin-dependent diabetes mellitus compared with matched
nondiabetic control subjects.

98. Schalij MJ, Savalle LH, Tresukosol D, Jukema JW, Reiber JHC.
Micro Stent I, initial results, and six months follow-up by quantitative coronary
angiography.
99. Akasaka T, Yoshida K, Hozumi T, Takagi T, Kaji S, Kawamoto T, Morioka S, Yoshikawa J.
    Retinopathy identifies marked restriction of coronary flow reserve in patients with diabetes mellitus.

100. Reiber JHC, Goedhart B, Brand G-J, Schiemann L.
    Quantitative coronary arteriography: current status and future.
    *Heart Vessels* 1997; S12: 209-11.

    Wehinger A, Hausleiter J, Walter H, Neumann F-J.
    Predictive factors of restenosis after coronary stent placement.

    Bruschke AVG.
    Modulation of lipoprotein(a) atherogenicity by high density lipoprotein cholesterol
    levels in middle-aged men with symptomatic coronary artery disease and normal
    to moderately elevated serum cholesterol.

103. Tardif J-C, Coté G, Lespérance J, Bourassa M, Lambert J, Doucet S,
    Bilodeau L, Nattel S, de Guise P, for the Multivitamins and Probucol Study Group.
    Probucol and multivitamins in the prevention of restenosis after coronary angioplasty.

    Rumberger JA, Paar D, Erbel R.
    Measuring the effect of risk factors on coronary atherosclerosis: coronary calcium
    score versus angiographic disease severity.

105. Yasuda H, Hiraishi T, Sumitsuji S, Nakagawa Y, Fukuhara A, Tsuchikane E,
    Katoh O, Awata N, Kobayashi T.
    Comparison of quantitative coronary angiographic results after directional coronary
    atherectomy and balloon angioplasty of protected left main coronary stenosis.

106. McLaughlin PR, Gladstone P, for the DAIS Project Group

    Novel perfusion sleeve for use during balloon angioplasty: Initial clinical experience.
Coronary artery stenting in the elderly: Short-term outcome and long-term angiographic and clinical follow-up.

The influence of diabetes mellitus on acute and late clinical outcomes following coronary stent implantation.

Low restenosis rate in lesions of the left anterior descending coronary artery with stenting following directional coronary atherectomy.

111. Kastrati A, Neumann F-J, Schömig A.
Operator volume and outcome of patients undergoing coronary stent placement.

Optimal coronary balloon angioplasty with provisional stenting versus primary stent (OCBAS). Immediate and long-term follow-up results.

Angiographic and clinical outcome following coronary stenting of small vessels. A comparison with coronary stenting of large vessels.

Treatment effects on serum lipoprotein lipids, apolipoproteins and low density lipoprotein particle size and relationships of lipoprotein variables to progression of coronary artery disease in the bezafibrate coronary atherosclerosis intervention trial (BECAIT).

Diabetes mellitus and the clinical and angiographic outcome after coronary stent placement.

Restricted coronary flow reserve in patients with mitral regurgitation improves after mitral reconstructive surgery.
117. Caramori PRA, Adelman AG, Azevedo ER, Newton GE, Parker AB, Parker JD.
Therapy with nitroglycerin increases coronary vasoconstriction in response to acetylcholine.

Stepwise intravascular ultrasound (IVUS) guidance of high-pressure coronary stenting does not result in an improved acute or long-term outcome: A randomized comparison to ‘final-look’ IVUS assessment.

PlA Polymorphism of platelet glycoprotein IIIa and risk of restenosis after coronary stent placement.

120. Hanekamp CEE, Koolen JJ, Pijs NHJ, Michels HR, Bonnier HJRM.
Comparison of quantitative coronary angiography, intravascular ultrasound, and coronary pressure measurement to assess optimum stent deployment.

Lower restenosis rate with stenting following aggressive versus less aggressive rotational atherectomy.

122. Prasad N, Ali H, Schwartz L.
Short- and long-term outcome of balloon angioplasty for compromised side branches after intracoronary stent deployment.

Integrated evaluation of relation between coronary lesion features and stress echocardiography results: The importance of coronary lesion morphology.

Geometric features of coronary artery lesions favoring acute occlusion and myocardial infarction: a quantitative angiographic study.

125. Sakamoto T, Kawarabayashi T, Taguchi H, Tanaka A, Nishida Y, Shimada K, Yoshikawa J.
Intravascular ultrasound-guided balloon angioplasty for treatment of in-stent restenosis.
Early clinical experience with the implantation of a novel synthetic coronary stent graft.

127. Schunkert H, Harrell L, Palacios IF.
Implications of small reference vessel diameter in patients undergoing percutaneous coronary revascularization.

Twenty-year follow-up after percutaneous transluminal coronary angioplasty.

Future of computerized analysis of vascular images.

One-year follow-up after intravascular ultrasound assessment of moderate left main coronary artery disease in patients with ambiguous angiograms.

Bimodal distribution of angiographic measures of restenosis six months after coronary stent placement.

Stented segment length as an independent predictor of restenosis.

133. Elezi S, Kastrati A, Hadamitzky M, Dirschinger J, Neumann F-J, Schömig A.
Clinical and angiographic follow-up after balloon angioplasty with provisional stenting for coronary in-stent restenosis.

134. Harrell L, Schunkert H, Palacios IF.
Risk predictors in patients scheduled for percutaneous coronary revascularization.
*Cathet Cardiovasc Interventions* 1999; 48: 253-60.

135. Moreno PR, Fallon JT, Murcia AM, Leon MN, Simosa H, Fuster V, Palacios IF.
Tissue characteristics of restenosis after percutaneous transluminal coronary angioplasty in diabetic patients.


163. *Weert AWM van, Lésperance J, Reiber JHC.*
Standardization of central off-line quantitative image analysis: implications from experiences with quantitative coronary angiography.

Experimental evaluation of a short transitional edge protection balloon for intracoronary stent deployment.

165. *Velianou JL, Strauss BH, Kreatsoulas C, Pericak D, Natarajan MK.*
Evaluation of the role of Abciximab (Reopro) as a rescue agent during percutaneous coronary interventions: in-hospital and six-month outcomes.

Influence of diabetes mellitus on early and late clinical outcomes in saphenous vein graft stenting.

Troglitazone reduces neointimal tissue proliferation after coronary stent implantation in patients with non-insulin dependent diabetes mellitus.

The prognostic implications of further renal function deterioration within 48 h of interventional coronary procedures in patients with pre-existent chronic renal insufficiency.

169. *Olson MB, Kelsey SF, Bittner V, Reis SE, Reichek N, Handberg EM, Merz CNB.*
Weight cycling and high-density lipoprotein cholesterol in women: evidence of an adverse effect.

Pre-existing arterial remodeling is associated with in-hospital and late adverse cardiac events after coronary interventions in patients with stable angina pectoris.

Coronary stenting beyond standard indications. Immediate and follow-up results.
172. Melo WDS, Prudencio LAR, Kusnir CE, Pereira ALN, Marques V, Vieira MC, de Paola AAV. 
Anatomia Angiográfica do Sistema Venoso Coronário. Aplicações em 
Eletrofisiologia Clínica. 
*Arq Bras Cardiol* 1998; 70 (6): 409-413.

Cummins F, Moses J, Rentrop P, Oesterle S, Power J, Kent KM, Satler LF, 
Pichard AD, Wu H, Greenberg A, Bucher TA, Kerker W, Abizaid AS, 
Saucedo J, Leon MB, Popma JI. 
Clinical and angiographic outcome in the laser angioplasty for restenotic stents 
(LARS) Multicenter Registry. 
*Cath and Cardiovasc Interventions* 2001; 52: 24-34.

Beckerath N von, Böttiger C, Duff GW, Schömig A. 
Protective role against restenosis from an interleukin-1 receptor antagonist gene 
polymorphism in patients treated with coronary stenting. 

175. Rodriguez A, Bernardi V, Navia J, Baldi J, Grinfeld L, Martinez J, Vogel D, 
Argentine randomized study: coronary angioplasty with stenting versus coronary 
bypass surgery in patients with multiple-vessel disease (ERACI II): 30-day and 
one-year follow-up results. 

176. Endo A, Hirayama H, Yoshida O, Arakawa T, Akima T, Yamada T, 
Nanasato M. 
Arterial remodeling influences the development of intimal hyperplasia after stent 
implantation. 

177. Azevedo ER, Schofield AM, Kelly S, Parker JD. 
Nitroglycerin withdrawal increases endothelium-dependent vasomotor response to 
acetycholine. 

178. Reiber JHC, Koning G, Tuinenburg JC, Goedhart B. 
Quantitative Coronary Arteriography. 

Iannone LA, Safian R, Yeung A, Moses J. 
SMART: The MicroStent’s Ability to Limit Restenosis Trial. 

180. Walter DH, Fichtlscherer S, Sellwig M, BS, Auch-Schwelk W, Schächinger V, 
Zeiher AM. 
Preprocedural C-reactive protein levels and cardiovascular events after coronary 
stent implantation. 
181. Chauhan MS, Kuntz RE, Ho KKL, Cohen DJ, Popma JJ, Carrozza JP, Baim DS, Cutlip DE.
Coronary artery stenting in the aged.

182. Walter DH, Schächinger V, Elsner M, Mach S, Dimmeler S, Auch-Schwelk W, Zeiher AM.
Statin therapy is associated with reduced restenosis rates after coronary stent implantation in carriers of the PI*42 allele of the platelet glycoprotein IIIa gene.

183. Moreno R, García E, Soriano J, Acosta J, Abeytua M.
Long-term outcome of patients with proximal left anterior descending coronary artery In-Stent restenosis treated with rotational atherectomy

184. Meuwissen M, Piek JJ, Wal AC van der, Chamuleau SAJ, Koch KT, Teeling P, Loos CM van der, Tijssen JGP, Becker AE.
Recurrence unstable angina after directional coronary atherectomy is related to the extent of initial coronary plaque inflammation.

185. Chamuleau SAJ, Meuwissen M, Eck-Smit BLF van, Koch KT, Jong A de, Winter RJ de, Schotborgh CE, Bax M, Verberne HJ, Tijssen JGP, Piek JJ.
Fractional flow reserve, absolute and relative coronary blood flow velocity reserve in relation to the results of technetium-99m sestamibi single-photon emission computed tomography in patients with two-vessel coronary artery disease.


Predictors of diffuse and aggressive Intra-Stent restenosis.

188. Kim HS, Waksman R, Cottin Y, Kollum M, Bhargava B, Mehran R, Chan RC, Mintz GS.
Edge stenosis and geographical miss following intracoronary gamma radiation therapy for In-Stent restenosis.

Membrane-covered stents: A new treatment strategy for saphenous vein graft lesions.


Cutting balloon angioplasty for treatment of calcified coronary lesions. 

Statin therapy, inflammation and recurrent coronary events in patients following coronary stent implantation. 

Intracoronary beta-radiation of de novo coronary lesions using a $^{186}$Re liquid-filled balloon system: Six-month results from a clinical feasibility study

210. Takahashi T, Honda Y, Russo RJ, Fitzgerald PJ.
Intravascular ultrasound and quantitative coronary angiography 

Quantitative angiographic methods for appropriate end-point analysis, edge-effect evaluation, and prediction of recurrent restenosis after coronary brachytherapy with gamma irradiation. 

212. Langerak SE, Vliegen HW, Roos A De, Zwinderman AH. Jukema JW, Kunz P, Lamb HJ, Wall EE van der.
Detection of vein graft disease using high-resolution Magnetic Resonance Angiography. 

In vivo early and mid-term flow-mediated endothelial function of the radial artery used as a coronary bypass graft. 

The impact of obesity on the short-term and long-term outcomes after percutaneous coronary intervention: the obesity paradox? 

Polytetrafluoroethylene-covered stent and coronary artery aneurysms. 

Usefulness of flow reserve in the left internal mammary artery to determine graft patency to the left anterior descending coronary artery. 
*Am J Cardiol.* 1999; 83: 1157-63.
217. Chamuleau SAJ, Tio RA, Cock CC de, Muinck ED de, Pijls NHJ, Eck-Smit BLF van, Koch KT, Meuwissen M, Dijkgraaf MGW, Jong A de, Verberne HJ, Liebergen RAM van, Laarman GJ, Tijsen JGP, Piek JJ.
Prognostic value of coronary blood flow velocity and myocardial perfusion in intermediate coronary narrowings and multivessel disease.

Assessment of coronary flow reserve: comparison between contrast-enhanced magnetic resonance imaging and positron emission tomography.

Pulse transmission coefficient: a novel nonhyperemic parameter for assessing the physiological significance of coronary artery stenoses.

Discrepancy between angiography and intravascular ultrasound when analysing small coronary arteries.
*Eur Heart J* 2002; 23: 247-54.

Impact of final coronary flow velocity reserve on late outcome following stent implantation.
*Eur Heart J* 2002; 23: 331-40.

Clopidogrel therapy in patients undergoing coronary stenting: value of a high-loading-dose regimen.

223. Sheynberg BV, Jang I-K, Han RO, Sabatine MS, Brown DFM, Dinsmore R.
Comparison of two different methods of quantitative coronary angiography in patients with acute coronary syndromes.


225. Ajani AE, Waksman R, Cha D-H, Gruberg L, Satler LF, Pichard AD, Kent KM.
The impact of lesion length and reference vessel diameter on angiographic restenosis and target vessel revascularization in treating in-stent restenosis with
radiation.

Direct coronary stenting versus stenting with balloon pre-dilation: immediate and follow-up results of a multicentre, prospective, randomized study. The DISCO trial.

First clinical experience with a paclitaxel derivate-eluting polymer stent system implantation for In-Stent restenosis; immediate and long-term clinical angiographic outcome.

228. Berg JM ten, Kelder JC, Suttorp MJ, Mast EG, Bal ET, Ernst JMPG, Plokker HWM.
Early and late effects of coumarin therapy started before percutaneous coronary intervention; clinical, angiographic and cost-effective outcome of the Balloon Angioplasty and Anticoagulation Study (BAAS).

*Cath and Cardiovascular Interventions* 2002; 56(1): 40-5.

The effect of intracoronary radiation for the treatment of recurrent In-Stent restenosis in patients with diabetes mellitus.

Dose heterogeneity may not affect the neointimal proliferation after gamma radiation for in-stent restenosis.

One core laboratory at two international sites, is that feasible? An inter-core
laboratory and intra-observer variability study.  

Results of the Jostent coronary stent graft implantation in various clinical settings: procedural and follow-up results.  

Effective plaque removal with a new 8 French-compatible atherectomy catheter.  

In-stent restenosis in small coronary arteries: impact of strut thickness.  

Predictive factors for early cardiac events and angiographic restenosis after coronary stent placement in small coronary arteries.  

Exaggeration of nonculprit stenosis severity during acute myocardial infarction: implications for immediate multivessel revascularization.  

Initial clinical experience with distal protection using the FilterWire in patients undergoing coronary artery and saphenous vein graft percutaneous intervention.  
*Cath and Cardiovasc Interventions* 2002; 57(2): 125-34.

239. Prati F, Pawlowski T, Sommariva L, Labellarte A, Manzoli A, Boccanelli A, Motolese M.  
Intravascular ultrasound and quantitative coronary angiography assessment of late in-stent restenosis: In vivo human correlation and methodological implications.  


QCA-CMS-References	26
*Cath and Cardiovascular Interventions* 2002; 57(3): 286-94.

Two different coronary blood flow velocity patterns in thrombolysis in myocardial infarction flow grade 2 in acute myocardial infarction. Insight into mechanisms of microvascular dysfunction. 

Is coronary stent deployment and remodeling affected by predilatation? An intravascular ultrasound randomized study. 

243. **Gomma AH, Elrayess MA, Knight CJ, Hawe E, Fox KM, Humphries SE.**
The endothelial nitric oxide synthase (Glu298Asp and -786T>C) gene polymorphisms are associated with coronary in-stent restenosis. 

Effects of microvascular dysfunction on myocardial fractional flow reserve after percutaneous coronary intervention in patients with acute myocardial infarction. 

Immunosuppressive therapy for the prevention of restenosis after coronary artery stent implantation (IMPRESS study). 

246. **Kini AS, Lee P, Mitre CA, Duffy ME, Sharma SK.**
Postprocedure chest pain after coronary stenting: implications on clinical restenosis. 

Treatment of coronary stent thrombosis with rheolytic thrombectomy: Results from a multicenter experience. 

A new dedicated stent and delivery system for the treatment of bifurcation lesions: Preliminary experience.

Directional coronary atherectomy vs. rotational atherectomy for the treatment of In-Stent restenosis of native coronary arteries.

The outcome of percutaneous coronary intervention in patients with in-stent restenosis who failed intracoronary radiation therapy.

Effect of percutaneous coronary interventions for in-stent restenosis in degenerated saphenous vein grafts without distal embolic protection.

252. **Leesar MA**, **Abdul-Baki T**, **Akkus NI**, **Sharma A**, **Kannan T**, **Bolli R**.
Use of fractional flow reserve versus stress perfusion scintigraphy after unstable angina. Effect on duration of hospitalization, cost, procedural characteristics, and clinical outcome.

Immediate results and one-year clinical outcome after percutaneous coronary interventions in chronic total occlusions: data from a multicenter, prospective, observational study (TOAST-GISE).

Intravascular brachytherapy for native coronary ostial in-stent restenotic lesions.

Use of restenting should be minimized with intracoronary radiation therapy for in-stent restenosis.
256. Ruygrok PN, Webster MW, Ardill JJ, Chan CC, Mak KH, Meredith IT, Stewart JT, Ormiston JA, Price S.


258. Caputo RP, Flately M, Ho KKL, Baim DS.


263. Staal EM, Heer M de, Jukema JW, Koning G, Wall EE van der, Reiber JHC, Baan J, Steendijk P.
   End-diastolic and end-systolic volume from the left ventricular angiogram: how accurate is visual frame selection?

Six- and twelve-month results from a randomized, double-blind trial on a slow-release paclitaxel-eluting stent for de novo coronary lesions.

Initial experience with a new 8 French-Compatible directional atherectomy catheter: Immediate and mid-term results.

266. Oemrawsingh PV, Tuinenburg, JC, Schalij MJ, Jukema JW, Reiber JHC, Bruschke AVG.
Clinical and angiographic outcome of micro stent II implantation in native coronary arteries.

Stenting of long coronary artery lesions: initial angiographic results and 6 months clinical outcome of the micro stent II-XL.

268. Oemrawsingh PV, Schalij MJ, Srimahachota S, Jukema JW, Bruschke AVG.
Clinical and angiographic outcome of stent implantation without predilatation using the Jostent flex stent.

269. Oemrawsingh PV, Dijkstra J, Koning G, Heijer P den, Schalij MJ.
Cutting balloon predilation to optimize stent expansion: the cutting balloon used before stent (COBUS) study.
Submitted

Intravascular ultrasound guidance improves angiographic and clinical outcome of stent implantation for long coronary artery stenosis: final results of a randomized comparison with angiographic guidance.

A randomized trial of polytetrafluoroethylene-membrane-covered stents compared with conventional stents in aortocoronary saphenous vein grafts.


280. Hanekamp CEE, Koolen JJ, Heijer P den, Schalij MJ, Piek JJ, Bär FWHM, Scheerder I de, Bonnier HJRM, Pijls NHJ for the Venestent Study Group. Randomized study to compare balloon angioplasty and elective stent
implantation in venous bypass grafts: the Venestent Study.

281. **Degertekin** M, **Lemos** PA, **Lee** CH, **Tanabe** K, **Sousa** JE, **Abizaid** A, **Regar** E, **Sianos** G, **Giessen** WJ van der, **Feyter** PJ de, **Wuelfert** E, **Popma** JJ, **Serruys** PW.
Intravascular ultrasound evaluation after sirolimus eluting stent implantation for de novo and in-stent restenosis lesions.

282. **Chen** Y-H, **Chau** L-Y, **Lin** M-W, **Chen** L-C, **Yo** M-H, **Chen** J-W, **Lin** S-J.
Heme oxygenase-1 gene promoter microsatellite polymorphism is associated with angiographic restenosis after coronary stenting.

283. **Kawamura** A, **Asakura** Y, **Okabe** T, **Yamane** A, **Hui-Chong** L, **Ogawa** S.
Predictors of vessel remodeling following directional coronary atherectomy.

284. **Brosh** D, **Higano** ST, **Kern** MJ, **Lennon** RY, **Holman** DR Jr, **Lerman** A.
Pulse transmission coefficient: A nonhyperemic index for physiologic assessment of procedural success following percutaneous coronary interventions.

285. **Fukuda** D, **Shimada** K, **Tanaka** A, **Kawarabayashi** T, **Yoshiyama** M, **Yoshikawa** J.
Circulation monocytes and in-stent neointima after coronary stent implantation.

286. **Mehilli** J, **Kastrati** A, **Dirschinger** J, **Etzel** L, **Bollwein** H, **Pache** J, **Schühlen** H, **Beckerath** N von, **Seyfarth** M, **Schmitt** C, **Schömig** A.
Intracoronary stenting and angiographic results: restenosis after direct stenting versus stenting with predilation in patients with symptomatic coronary artery disease (ISAR-DIRECT Trial).
*Cathet Cardiovasc Intervent* 2004; 61: 190-5.

287. **Hoppmann** P, **Koch** W, **Schömig** A, **Kastrati** A.
The 5A/6A polymorphsim of the stromelysin-1 gene and restenosis after percutaneous coronary interventions.

288. **Kastrati** A, **Mehilli** J, **Nekolla** S, **Bollwein** H, **Martinoff** S, **Pache** J, **Schühlen** H, **Seyfarth** M, **Gawaz** M, **Neumann** F-J, **Dirschinger** J, **Schwaiger** M, **Schömig** A, for the STOPAMI-3 Study Investigators
A randomized trial comparing myocardial salvage achieved by coronary stenting versus balloon angioplasty in patients with acute myocardial infarction considered ineligible for reperfusion therapy.
Gamma radiation for in-stent restenosis: effect of lesion length on angiographic and clinical outcomes.

290. Chen W-H, Lee P-Y, Ng W, Lau C-P.
Safety and feasibility of the use of a distal filter protection device in percutaneous revascularization of small coronary arteries.
*Cathet Cardiovasc Intervent* 2004; 61: 360-3.

Cutting balloon versus conventional balloon angioplasty for the treatment of in-stent restenosis. Results of the restenosis cutting balloon evaluation trial (RESCUT).

Frequency and time course of reocclusion and restenosis in coronary artery occlusions after balloon angioplasty versus Wiktor stent implantation: results from the Mayo-Japan Investigation for chronic total occlusion (MAJIC) trial.
*Am Heart J* 2004; 147: T1-T7.

Treatment of multivessel coronary artery disease with sirolimus-eluting stent implantation: immediate and mid-term results.
*J Am Coll Cardiol* 2004; 43(7): 1154-60.

Impact of intravenous beta-blockade before primary angioplasty on survival in patients undergoing mechanical reperfusion therapy for acute myocardial infarction.

Novel use of a high-energy excimer laser catheter for calcified and complex coronary artery lesions.


Clinical and angiographic outcome after sirolimus-eluting stent implantation in aorto-ostial lesions.

305. Tsuchikane E, Takeda Y, Nasu K, Awata N, Kobayashi T.
Balloon angioplasty plus cilostazol administration versus primary stenting of small coronary artery disease: final results of COMPASS.

Statin administration before percutaneous coronary intervention: impact on periprocedural myocardial infarction.

Therapeutic implications of in-stent restenosis located at the stent edge. Insights from the Restenosis Intra-stent Balloon angioplasty versus elective Stenting (RIBS). Randomized trial.

Randomized, controlled trial of secondary prevention of coronary sclerosis in normocholesterolemic patients using pravastatin: final 5-year angiographic follow-up of the prevention of coronary sclerosis (PCS) study.

Oral Rapamycin to inhibit restenosis after stenting of de novo coronary lesions.

Soft plaque detected on intravascular ultrasound is the strongest predictor of in-stent restenosis: an intravascular ultrasound study.
   Alpha-adrenergic receptor blockade and hyperaemic response in patients with
   intermediate coronary stenoses.

   A randomized trial of coronary stenting versus balloon angioplasty as a rescue
   intervention after failed thrombolysis in patients with acute myocardial
   infarction.

   Evaluation of the Medtronic (driver) cobalt-chromium alloy coronary stent
   system.

314. Fassa A-A, Wagatsuma K, Higano ST, Mathew V, Barsness GW, Lennon RJ, Holmes DR, Lerman A.
   Intravascular ultrasound-guided treatment for angiographically indeterminate left
   main coronary artery disease. A long-term follow-up study.
   *JACC* 2005; 45: 204-11.

   Is overdilatation of 3.0 mm sirolimus-eluting stent associated with a higher
   restenosis rate?

   Cardiac multidetector-row computed tomography in patients with unstable
   angina.

   Early and mid-term results of drug-eluting stent implantation in unprotected left
   main.

   Relationship between in vitro lipopolysaccharide-induced cytokine response in
   whole blood, angiographic in-stent restenosis, and toll-like receptor 4 gene
polymorphisms.

Long-term safety of intravascular ultrasound in nontransplant, nonintervened, atherosclerotic coronary arteries.
*JACC* 2005; 45 (4): 559-64.

Gender and myocardial salvage after reperfusion treatment in acute myocardial infarction.

Treatment of saphenous vein graft lesions with drug-eluting stents. Immediate and midterm outcome.
*JACC* 2005; 45(7): 989-94.

Stent underexpansion and residual reference segment stenosis are related to stent thrombosis after sirolimus-eluting stent implantation. An intravascular ultrasound study.

Relationship between angiographic late loss and target lesion revascularizaton after coronary stent implantation. Analysis from the TAXUS-IV Trial.

Multiple overlapping drug-eluting stents to treat diffuse disease of the left anterior descending coronary artery.

Treating chronic total occlusions using subintimal tracking and reentry: the STAR technique.
Results and follow-up after implantation of four or more sirolimus-eluting stents in the same patient.  
Cathet Cardiovasc Intervent 2005;64(4): 436-9

Impact of frame selection on quantitative coronary angiographic analysis after coronary stenting.  

Immediate and mid-term outcomes of sirolimus-eluting stent implantation for chronic total occlusions.  

Coronary flow evaluation by TIMI frame count and magnetic resonance flow velocity in patients with coronary artery ectasia.  

Drug-eluting stents compared with thin-strut bare stents for the reduction of restenosis: a prospective, randomized trial.  

Prevention of restenosis by a novel drug-eluting stent system with a dose-adjustable, polymer-free, on-site stent coating.  

A new approach to contour detection in X-Ray arteriograms. The Wavecontour.  

333. Kobori Y, Tanaka N, Takazawa K, Yamashina A.
Usefulness of fractional flow reserve in determining the indication of target lesion revascularization.  

Influence of stent surface topography on the outcomes of patients undergoing
coronary stenting: a randomized double-blind controlled trial.

335. **Lefèvre T, Garcia E, Reimers B, Lang I, Mario C di, Colombo A, Neumann F-J, Chavarri MV, Brunel P, Grube E, Thomas M, Glatt B, Ludwig J, on behalf of the X AMINE ST Investigators.**
X-Sizer for thrombectomy in acute myocardial infarction improves ST-segment resolution.
Results of the X-sizer in AMI for negligible embolization and optional ST resolution (X AMINE ST) Trial.

336. **Kobori Y, Tanaka N, Takazawa K, Yamashina A.**
Usefulness of fractional flow reserve in determining the indication of target lesion revascularization.

337. **Hanekamp CEE, Bonnier HJRM, Michels RH, Peels KH, Heijmen EPCM, Hagen E van, Koolen JJ.**
Initial results and long-term clinical follow up of an amorphous hydrogenated silicon-carbide coated stent in daily practice.

Randomized comparison of balloon angioplasty versus silicon carbon-coated stent implantation for De Novo Lesions in small coronary arteries.

339. **Commeau P, Barragan PT, Roquebert PO, Siméoni JB.**
ISR II Study: A long-term evaluation of sirolimus-eluting stent in the treatment of patients with in-stent restenotic native coronary artery lesions.

Polymer-based paclitaxel-eluting stent for treatment of chronic total occlusions of native coronaries: results of a Taxus CTO registry.

A randomized comparison of balloon angioplasty versus silicon carbon coated stent implantation for denovo lesions in small coronary arteries.

Increased arterial wave reflections predict severe cardiovascular events in patients undergoing percutaneous coronary interventions.


vessels.


Bifurcation coronary lesions treated with the 'Crush' technique. An intravascular ultrasound analysis.


Clinical and angiographic outcome after implantation of drug-eluting stents in bifurcation lesions with the crush stent technique. Importance of final kissing balloon post-dilation.


Angiographic and clinical outcomes at 8 months of cutting balloon angioplasty and β-brachytherapy for native vessel in-stent restenosis (BETACUT): Results from a stopped randomized controlled trial.


Drug-eluting stenting is superior to bare metal stenting in saphenous vein grafts.


Prediction of left ventricular function after drug-eluting stent implantation for chronic total coronary occlusions.


Serial angiographic follow-up of sirolimus-eluting stents for unprotected left main coronary artery revascularization.

Clinical and angiographic outcome after implantation of drug-eluting stents in bifurcation lesions with the crush stent technique. Importance of final kissing balloon post-dilation.

Coronary sinus is dilated and outwardly displaced in patients with mitral regurgitation: quantitative angiographic analysis.

Experimental efficacy of an everolimus eluting cobalt chromium stent.

A randomized comparison of sirolimus-eluting stent with balloon angioplasty in patients with in-stent restenosis.

Effectiveness and safety of sirolimus stent implantation for coronary in-stent restenosis.

Association of carotid intima-media thickness with angiographic severity and extent of coronary artery disease.

363. Hoye A, Iakovou I, Ge L, Mieghem CA van, Ong A, Cosgrave J, Sangiorgi G, Airoldi F.
Long-term outcomes after stenting of bifurcation lesions with the crush technique.

The performance of renal duplex ultrasonography for the detection of hemodynamically significant renal artery stenosis.

Drug-eluting stent restenosis – the pattern predicts the outcome.


381. Takano M, Ohba T, Inami S, Seimiya K, Sakai S, Mizuno K.
Angioscopic differences in neointimal coverage and in persistence of thrombus between sirolimus-eluting stents and bare metal stents after a 6-month implantation.
*Eur Heart J* 2006; 27: 2189-95.

382. Lim VY, Buellesfeld L, Gerckens U, Mueller R, Schmidt T, Grube E.

383. Corbett SJ, Cosgrave J, Colombo A.
Concurrent implantation of Sirolimus- and Paclitaxel-eluting stents in the same vessel.

384. Price MJ, Giap H, Teirstein PS.
Intracoronary radiation therapy for multi-drug resistant in-stent restenosis: Initial clinical experience.

A new quantitative analysis system for the evaluation of coronary bifurcation lesions: comparison with current conventional methods.

Does addition of estradiol improve the efficacy of a rapamycin-eluting stent? Results of the ISAR-PEACE randomized trial.
*JACC* 2007;49(12):1265-71

Angiographic analysis of pattern of late luminal loss in sirolimus- and paclitaxel-eluting stents.
*Am J Cardiol* 2006; 09.104
Impact of metabolic syndrome on tissue characteristics of angiographically mild to moderate coronary lesions.
*JACC* 2007;49(11):1149-56

389. Larose E, Ganz P, Reynolds G, Dorbala S, Di Carli MF, Brown KA, Kwong RY.
Right ventricular dysfunction assessed by cardiovascular magnetic resonance imaging predicts poor prognosis late after myocardial infarction.
*JACC* 2007;49(8): 855-62

Polymer-based, paclitaxel-eluting TAXUS Liberté stent in de novo lesions. The pivotal TAXUS ATLAS trial.
*JACC* 2007;49(16): 1676-83

Predictors of restenosis after treatment of bifurcational lesions with paclitaxel eluting stents: a multicenter prospective registry of 150 consecutive patients.
*Cathet Cardiovasc Interv* 2007; 69:416-424

392. Lee MS, Jurewitz D, Aragon J, Forrester J, Makkar RR, Kar S.
Stent fracture associated with drug-eluting stents: clinical characteristics and implications.
*Cathet Cardiovasc Interv* 2007; 69:387-394

Incidence and clinical impact of coronary stent fracture after sirolimus-eluting stent implantation.
*Cathet Cardiovasc Interv* 2007; 69:380-386

Heme oxygenase-1 gene promoter polymorphism and restenosis following coronary stenting.
*Eur Heart J* 2007; 28:968-973

Long-term outcomes of bifurcation lesions after implantation of drug-eluting stents with the “mini-crush technique”.
*Cathet Cardiovasc Interv* 2007; 69:976-983

Usefulness of 64-slice multislice computed tomography coronary angiography to assess in-stent restenosis.
*JACC* 2007;49(22):2204-10
397. Okura H, Taguchi H, Kubo T, Toda I, Yoshida K, Yoshiyama M, Yoshikawa J.
Circulation 2007;71:648-653

Comparable clinical outcomes with paclitaxel- and sirolimus-eluting stents in unrestricted contemporary practice.
JACC 2007;49(24):2320-8

Surrogate markers for atherosclerotic disease.
Curr Opin Lipidol 2005;16:434-441

Percutaneous coronary intervention of functionally nonsignificant stenosis. 5-Year follow-up of the DEFER study.
JACC 2007;49(21):2105-11

Feasibility of assessment of coronary stent patency using 16-slice computed tomography.
Am J Cardiol 2004; 94: 427-430

A randomized comparison of paclitaxel-eluting stents versus bare-metal stents for treatment of unprotected left main coronary artery stenosis.
JACC 2007;50 (6):491-7

Thoracic radiotherapy in patients with lymphoma and restenosis after coronary stent placement.
Cathet Cardiovasc Interv 2007; 70:359-365

Meta-analysis of angiographic versus intravascular ultrasound parameters of drug-eluting stent efficacy (from TAXUS IV, V and VI).
Am J Cardiol 2007; 100:621-626

Cathet Cardiovasc Interv 2007; 70:505-512
The PROXIMAL trial: proximal protection during saphenous vein graft intervention using the proxis embolic protection system. A randomized, prospective, multicenter clinical trial.
JACC 2007;50(15):1442-9

Randomized trial of rapamycin- and paclitaxel-eluting stents with identical biodegradable polymeric coating and design.
Eur Heart J 2007;28:2720-2725

Zotarolimus-eluting stents in patients with native coronary artery disease: clinical and angiographic outcomes in 1,317 patients.
Am J Cardiol 2007;100:45M-55M

409. Chamuleau SAJ, Eck-Smit BLF, Meuwissen M, Koch KT, Dijkgraaf MGW Verbnerne HJ, Tijssen JGP, Piek JJ.
Long-term prognostic value of CFVR and FFR versus perfusion scintigraphy in patients with multivessel disease.
Neth Heart J 2007;15(11):369-374

Cathet Cardiovasc Interv 2007; 70:914-919

411. Braun P.
Prospective randomized study of the restenotic process in small coronary arteries using a carbofilm coated stent in comparison with plain old balloon angioplasty: a multicenter study.
Cathet Cardiovasc Interv 2007; 70:920-927

412. Fröbert O, Veer M van’t, Aarnoudse W, Simonsen U, Koolen JJ, Pijls NHJ.
Acute myocardial infarction and underlying stenosis severity.
Cathet Cardiovasc Interv 2007; 70:958-965

Non-invasive coronary computed tomographic angiography for patients with suspected coronary artery disease: the coronary angiography by computed tomography with the use of a submillimeter resolution (CACTUS) trial.
Eur Heart J 2007; 28:3034-3041

Head-to-head comparison of sirolimus- and paclitaxel-eluting stent in the same diabetic patient with multiple coronary artery lesions.
Diabetes Care 2008; 31(1):15-19
JACC 2008; 51(6):618-26

Serial quantitative coronary analysis for the evaluation of one-year change in saphenous vein grafts.

Saphenous vein graft stenting and major adverse cardiac events. A predictive model derived from a pooled analysis of 3958 patients.
Circulation 2008; 117:790-797

The prognostic value of combined intracoronary pressure and blood flow velocity measurements after deferral of percutaneous coronary intervention.

Comparison of medical treatment and coronary revascularization in patients with moderate coronary lesions and borderline fractional flow reserve measurements.
Cathet Cardiovasc Interv 2008; 71:541-548

Randomized, double-blind, multicenter study of the polymer-based 17-ß estradiol-eluting stent for treatment of native coronary artery lesions: six-month results of the ETHOS I trial.
Cathet Cardiovasc Interv 2007; 70:654-660

Comparison of myocardial perfusion by distal protection before and after primary stenting for acute myocardial infarction: angiographic and clinical results of a randomized controlled trial.
Cathet Cardiovasc Interv 2007;70:677-682

One-year results of the SCORPIUS study. A German multicenter investigation on the effectiveness of sirolimus-eluting stents in diabetic patients.
JACC 2007; 50(17):1627-34


Randomized study on simple versus complex stenting of coronary artery bifurcation lesions. The Nordic Bifurcation Study.
*Circulation* 2006; 114:1955-1961

431. Serruys PW, Luijten HE, Beatt KJ, Geuskens R, Feyter PJ de, Brand M van den, Reiber JHC, Katen HJ ten, Es GA van, Hugenholtz PG.
Incidence of restenosis after successful coronary angioplasty: a time-related phenomenon. A quantitative angiographic study in 342 consecutive patients at 1, 2, 3, and 4 months.
*Circulation* 1988; 77(2):361-371

Quantitative relationship between coronary vasodilator reserve assessed by 82Rb PET imaging and coronary artery stenosis severity.

High plasma concentrations of autoantibodies against native peptide 210 of apoB-100 are related to less coronary atherosclerosis and lower risk of myocardial infarction.
*Eur Heart J* 2008;29:2218-2226

Assessment of the reproducibility of the basic parameters obtained from quantitative coronary arteriography analysis.
*Eur Heart J* 1995; 16(Abstract Suppl): 296

Issues in the performance of quantitative coronary angiography in clinical research trials.

A novel measurement technique to assess the effects of coronary brachytherapy in clinical trials.
*IEEE Transactions on Medical Imaging* 2002; 21(10):1254-1263


Cath Cardiovasc Inter 2008;72:591-600

High HDL cholesterol does not protect against coronary artery disease when associated with combined cholesteryl ester transfer protein and hepatic lipase gene variants.
Atherosclerosis 2008;200:161-167

Cath Cardiovasc Inter 2008;72:459-467

Quantitative coronary angiography methodology in vascular brachytherapy II.
Vasc Brachytherapy, Third Edition 2008:543-562

449. Schuijf JD, Werkhoven JM van, Pundziute G, Jukema JW, Decramer I, Stokkel MP, Dibbets-Schneider P, Schalij MJ, Reiber JHC, Wall EE van der, Wijns W, Bax JJ.
Invasive versus noninvasive evaluation of coronary artery disease.

Randomized trial on routine vs. provisional T-stenting in the treatment of de novo coronary bifurcation lesions.
Eur Heart J 2008;29:2859-2867

Culotte stenting technique in coronary bifurcation disease: angiographic follow-up using dedicated quantitative coronary angiographic analysis and 12-month clinical outcomes.
Eur Heart J 2008;29:2868-2876
High-frequency vibration for the recanalization of guidewire refractory chronic total coronary occlusions. 
*Cath Cardiovase Interv* 2008;72:771-780

Subintimal tracking and re-entry technique with contrast guidance: a safer approach. 
*Cath Cardiovase Interv* 2008;72:790-796

Angiographic and clinical outcome of invasively managed patients with thrombosed coronary bare metal or drug-eluting stents: the OPTIMIST study. 
*Eur Heart J* 2008;29:3011-3021

Long-term clinical outcomes after drug-eluting stent implantation in unprotected left main coronary artery disease. 
*Cath Cardiovase Interv* 2009;73:291-298

Chapter 2.2: Quantitative Coronary Arteriography. 
Springer-Verlag, Berlin-Heidelberg 2009; p 41-65

Outcome of patients treated by a novel thin – strut cobalt-chromium stent in the drug-eluting stent era: results of the SKYCE (skylor in real world practice) registry. 
*Cath Cardiovase Interv* 2009;73:457-465

Correlation between quantitativ angiographic and intravascular ultrasound parameters in patients treated with sirolimus analogous-eluting stents. 
*Int J Cardiavius Imaging* 2009;25:345-351

A qualitative and quantitative angiographic analysis of stent fracture late following sirolimus-eluting stent implantation. 
*Am J Cardiol* 2009;103(7):923-9

Type 2 Diabetes is associated with more advanced coronary atherosclerosis on multislice computed tomography and virtual histology intravascular ultrasound.
J Nucl Cardiol 2009; 16 (3); 376-83.

JACC 2009;53(12):1031-9

462. Fokkema ML, Vlaar PJ, Svilaas T, Vogelzang M, Amo D, Diercks GFH, Suurmeijer AJH, Zijlstra F.
Incidence and clinical consequences of distal embolization on the coronary angiogram after percutaneous coronary intervention for ST-elevation myocardial infarction.
Eur Heart J 2009;30:908-15

A polymer-free dual drug-eluting stent in patients with coronary artery disease: a randomized trial vs. polymer-based drug-eluting stents.
Eur Heart J 2009;30:923-31

Paclitaxel- versus sirolimus-eluting stents for unprotected left main coronary artery disease.
JACC 2009;53(19):1760-8

465. Hattrick RI, Ormiston JA, Ruygrok PN, Stewart JT, Webber B, Gonzales H, Webster MWI.
Very late changes in the dilated lesion following coronary balloon angioplasty: a 17 year serial quantitative angiographic study.
EuroInterv 2009;5:121-126

Coronary aneurysms after drug-eluting stent implantation Clinical, angiographic, and intravascular ultrasound findings.
JACC 2009;53(22):2053-60

Cath and Cardiovasc Interv 2009;73:890-897
*Cath and Cardiovasc Interv* 2009;73:258-266

Coronary artery stenosis in high-risk patients: 64-section CT and coronary angiography – prospective study and analysis of discordance.
*Radiol* 2009;252(2):377-385

Impact of stent length on restenosis in patients with acute myocardial infarction treated with primary percutaneous coronary intervention: analysis based on data from the trial to assess the use of the cypher stent in acute myocardial infarction treated with balloon angioplasty (TYPHOON).
*EuroInterv* 2009;5:219-223

Angiographic and intravascular ultrasound findings following implantation of the endeavor™ zotarolimus-eluting stents in patients from the real-world clinical practice.
*EuroInterv* 2009;5:355-362

Rotational atherectomy followed by drug-eluting stent implantation in calcified coronary lesions.
*EuroInterv* 2009;5:370-374

Predictors of angiographic restenosis after drug eluting stents in the coronary arteries: contemporary practice in real world patients.
*EuroInterv* 2009;5:349-354

Enhanced expression of haemoglobin scavenger receptor in accumulated macrophages of culprit lesions in acute coronary syndromes.
*Eur Heart J* 2009;30:1844-1852


Randomized trial of paclitaxel- versus sirolimus-eluting stents for treatment of coronary restenosis in sirolimus-eluting stents.
The ISAR-DESIRE 2 (Intracoronary stenting and angiographic results: drug eluting stents for in-stent restenosis 2) Study.
*JACC* 2010;55(24):2710-6

2-Year clinical and angiographic outcomes from a randomized trial of polymer-free dual drug-eluting stents versus polymer-based cypher and endeavor, drug-eluting stents.
*JACC* 2010;55(23):2536-43

Diagnostic accuracy of 320-row multidetector computed tomography coronary angiography to noninvasively assess in-stent restenosis.
*Invest Radiol* 2010;45: 331-340

Angiographic impact of the GuardWire system on inflated coronary segments after six months: does the distal protection balloon of the GuardWire Plus™ lead to restenosis?
*EuroIntervention* 2010;6: 257-260

Preliminary results of the INSPIRE trial with the novel MGuard™ stent system containing a protection net to prevent distal embolization.
*Cath and Cardiovasc Interv* 2010;76:86-92

5-Year prognostic value of no-reflow phenomenon after percutaneous coronary intervention in patients with acute myocardial infarction.
*JACC* 2010;55(21):2383-9

Sawada H, Aizawa T.
Intravascular ultrasound, angioscopic and histopathological characterisation of heterogeneous patterns of restenosis after sirolimus-eluting stent implantation: insights into potential “thromborestenosis” phenomenon.
*EuroIntervention* 2010;6:380-387

489. Graaf FR de, Schuijf JD, Velzen JE van, Kroft LJ, Roos A de, Reiber JHC, Boersma E, Schalij MJ, Spanó F, Jukema JW, Wall EE van der, Bax JJ.
Diagnostic accuracy of 320-row multidetector computed tomography coronary angiography in the non-invasive evaluation of significant coronary artery disease.
*Eur Heart J* 2010;31:1908-1915

Comparison of sirolimus-eluting and bare metal stent for treatment of patients with total coronary occlusions: results of the GISSOC II-GISE multicentre randomized trial.
*Eur Heart J* 2010;31:2014-2020

Automated quantification of stenosis severity on 64-slice CT: A comparison with quantitative coronary angiography.
*JACC* 2010;3(7):699-709

Assessment of coronary artery disease using magnetic resonance coronary angiography. A national multicenter trial.
*JACC* 2010;56(12):983-91

*Circ Cardiovasc Interv* 2010;3:367-375

Nitinol stent implantation versus balloon angioplasty for lesions in the superficial femoral artery and proximal popliteal artery. Twelve-month result from the RESILIENT randomized trial.  

The GENESIS (Randomized, multicenter study of the pimecrolimus-eluting and pimecrolimus/paclitaxel-eluting coronary stent system in patients with de novo lesions of the native coronary arteries) trial.  

496. Mahmud E, Ormiston JA, Turco MA, Popma JJ, Weissman NJ, O'Shaughnessy CD, Mann T, Hall JJ, McGarry TF, Cannon LA, Webster MWI, Mandinov L, Baim DS.  
TAXUS Liberté attenuates the risk of restenosis in patients with medically treated diabetes mellitus. Results from the TAXUS ATLAS Program.  

Durability of antirestenotic efficacy in drug-eluting stents with and without permanent polymer.  

Randomized comparison of final kissing balloon dilatation versus no final kissing balloon dilatation in patients with coronary bifurcation lesions treated with main vessel stenting. The Nordic-Baltic Bifurcation Study III.  
_Circulation. 2011;123:79-86_  

3-Year follow-up of patients with coronary artery spasm as cause of acute coronary syndrome. The CASPAR (Coronary Artery Spasm in Patients with Acute Coronary Syndrome) study follow-up.  
_JACC 2011;57(2):147-52_  

Structure-function relation in the coronary artery tree: from fluid dynamics to arterial bifurcations.  
_EuroIntervention Suppl (2010);Vol. 6 (supplement J):J10-J15_

Efficacy and safety of a double-coated paclitaxel-eluting coronary stent: The EUCATAX trial.

*Cath and Cardiovasc Interv* 2011;77:335-342


Mesh covered stent in ST-segment elevation myocardial infarction.

*EuroIntervention* 2010;6:582-589


Comparison of haemodialysis patients and non-haemodialysis patients with respect to clinical characteristics and 3-year clinical outcomes after sirolimus-eluting stent implantation: insights from the Japan multicentre post-marketing surveillance registry.

*Eur Heart Journal* (2011);32:829-837


Effects of aspiration thrombectomy on necrosis size and ejection fraction after transradial percutaneous coronary intervention in acute ST-elevation myocardial infarction.

*Cath and Cardiovasc Interv* 2011;77:475-482


Diagnostic performance of non-invasive multidetector computed tomography coronary angiography to detect coronary artery disease using different endpoints: detection of significant stenosis vs. detection of atherosclerosis.

*Eur Heart Journal* (2011);32:637-645

506. **Koning G, Reiber JHC.**

A new approach to determine optimal viewing angle.

*Chin J Radiol* 2011;45;(2):195-198


Prospective application of pre-defined intravascular ultrasound criteria for assessment of intermediate left main coronary artery lesions. Results from the multicenter LITRO study.


515. Pompa JJ, Tiroch K, Almonacid A, Cohen C, Kandzari DE, Leon MB,
A qualitative and quantitative angiographic analysis of stent fracture late
following sirolimus-eluting stent implantation.
The American Journal of Cardiology 2008;12:923-929

516. Erglis A, Kumsars I, Niemela M, Kervinen K, Maeng M, Lassen JF,
Gunnes P, Stavnes S, Jensen JS, Galloe A, Narbute I, Sondore D,
Makikallio T, Ylitalo K, Christiansen EH, Ravkilde J, Steigen TK,
Mannsverk J, Thayssen P, Hansen KN, Syvanne N, Helqvist S, Kjell N,
Wiseth Rune, Aaroe J, Puhakka M, Thuessen L,
Randomized comparison of coronary bifurcation stenting with the crush versus
the cullote technique using sirolimus eluting stents.
Circ Cardiovasc Intervent 2009;2:27-34

New approaches for the assessment of vessel sizes in quantitative
(cardio-) vascular X-Ray analysis.
Int J Cardiac Imaging 2010;26:259-271

518. Janssen JP, Koning G, Koning de PJH, Tuinenburg JC, Reiber JHC.
A novel approach for the detection of pathlines in X-Ray angiograms: the
wavefront propagation algorithm.
Int J Cardiac Imaging 2002;18: 317-324

519. Holm NR, Hojdahl H, Lassen JF, Thuesen L, Maeng M.
Quantitative coronary analysis in the Nordic Bifurcation studies.
Int J Cardiac Imaging 2011;27:175-180

Dedicated bifurcation analysis: basic principles.
Int J Cardiovasc Imaging 2011;27:167-174

521. Meredith IT, Worthley S, Whitbourn R, Webster M, Fitzgerald PJ,
Ormiston J.
First-in-human experience with the Medtronic Bifurcation Stent System.
EuroIntervention 2011; 7: 662-669

522. Salvatella N, Morice M-C, Darremont O, Tafflet M, Garot P, Leymarie JL,
Chevalier B, Lefèvre T, Louvard Y, Boudou N, Dumonteil N, Carrié D
Unprotected left main stenting with a second-generation drug-eluting stent: one-
year outcomes of the LEMX Pilot study.
EuroIntervention 2011; 7: 689-696

Goy J-J, Müller O, Eeckhout E, Togni P, Wenaweser P, Meier B,
Windecker S, Cook S.
Clinical outcomes after PCI for acute coronary syndrome in unprotected left main coronary artery disease: insights from the Swiss Acute Left Main Coronary Vessel Percutaneous Management (SALVAGE) study.  
*EuroIntervention* 2011;7: 697-704

521. **Ko BS, Camaron JD, Meredith IT, Leung M, Antonis PR, Nasis A, Crossett M, Hope SA, Lehman SJ, Troupis J, DeFrance T, Seneviratne SK.**  
Computed tomography stress myocardial perfusion imaging in patients considered for revascularization: a comparison with fractional flow reserve.  
*Eur Heart Journal* 2012;30:66-77

Resolute Italian study in all comers: Imidiate and one-year outcomes.  
*Cath and Cardiovasc Interv* 2012;79:567-574

High prevalence of a pathological response to acetylcholine testing in patients stable angina pectoris and unobstructed coronary arteries.  
The ACOVA study (Abnormal Coronary Vasomotion in patients with stable angina and unobstructed coronary arteries)  
*JACC* 2012;59(7):655-662

Procedural and early clinical outcomes of patients with *de novo* coronary bifurcation lesions treated with novel Nile PAX dedicated bifurcation polymer-free paclitaxel coated stents: results from the prospective, multicentre, non-randomised BIPAX clinical trial.  
*EuroInterv* 2012;7:1301-1309

Optical coherence tomography: potential clinical applications.  
*Curr Cardiovasc Imaging Rep* 2012; 3 may online;springerlink.com

526. **Karanasos A, Tu S, Heide E van der, Reiber JHC, Regar E**  
Carina shift as a mechanism for side-branch compromise following main vessel intervention: insights from three-dimensional optical coherence tomography.  
*Cardiovasc Diagn Ther* 2012; 2(2): 173-177

Definitions and methodology for the grayscale and radiofrequency intravascular ultrasound and coronary angiographic analyses.  
*J Am Coll Cardiol Img* 2012;5: S1-S9


without angiographic disease progression
_J Am Coll Cardiol Img_ 2012;5: S95-S105

_JACC_ 2012;59;(15):1350-1361

Primary endpoint results of the EVOLVE trial: a randomized evaluation of a novel bioabsorbable polymer-coated, everolimus-eluting coronary stent.
_JACC_ 2012;59;(15):1362-1370

A multicenter randomized trial comparing amphimimus- with paclitaxel-eluting stents in de novo native coronary artery lesions
_JACC_ 2012 59;(15):1371-1376

538. Lezo JS de, Medina A, Martín P, Novoa J, Lezo JS de, Pan M, Caballero E, Melian F, Mazuelos F, Quevedo V
Predictors of ostial side branch damage during provisional stenting of coronary bifurcation lesions not involving the side branch origin: an Ultrasonographic study.
_EuroIntervention_ 2012; 7: 1147-1154

539. Sakakura K, Ako J, Wada H, Kubo N, Momomura S.
_Cath and Cardiovasc Interv_ 2012;80:370-376

A Randomized Multicenter Study Comparing a Paclitaxel Drug-Eluting Balloon With a Paclitaxel-Eluting Stent in Small Coronary Vessels
The BELLO (Balloon Elution and Late Loss Optimization) Study
_JACC_ 2012 60;(24):2473-2480

One-Year Results of the CRISTAL Trial, a Randomized Comparison of Sypher Sirolimus-Eluting Coronary Stents versus Balloon Angioplasty for Restenosis of Drug-Eluting Stents.  
*Journal of interventional Cardiology* 25(6):586-595

Side branch fractional flow reserve measurements after main vessel stenting: a Nordic-Baltic Bifurcation Study III substudy  
*EuroIntervention* 2012; 7: 1155-1161.

543. *Rolandi MC, Nolte F, Hoef TP van de, Remmelink M, Baan J Jr, Piek JJ, Spaan JAE, Siebes M*  
Coronary wave intensity during the Valsalva manoeuvre in humans reflects altered intramural vessel compression responsible for extravascular resistance.  
*J Physiol* 2012; 00.00: 1-13

*Cath and Cardiovasc Interv* 2102; 80: 1138-1146

Use of the Sideguard (Cappella) stent in bifurcation lesions: a real-world experience  
*EuroIntervention* 2012; 7: 1170-1180

Zotarolimus-Eluting Peripheral Stents for the Treatment of Erectile Dysfunction in subjects with suboptimal response to Phosphodiesterase-5 inhibitors  
*JACC* 2012 60;(25):2618-2627

547. *Øvrehus KA, Munkholm H, Bøttcher M, Bøtker HE, Nørgaard BL*  
*J Cardiovasc Computed Tomography* 2010; 4: 186-194


Enhanced stent imaging improves the diagnosis of stent underexpansion and optimizes stent deployment 

A virtual histology intravascular ultrasound analysis of coronary chronic total occlusions. 

545. Waki K, Arakaki Y, Mitsudo K 
Long-term outcome of transcatheater polytetrafluoroethylene-covered stent implantation in a giant coronary aneurysm of a child with Kawasaki disease. 

546. Teeuwen K, Branden BJL van den, Rahel BM, Laarman GJ, Tijssen JGP, Kelder JC, Slagboom T, Berg JM ten, Suttrop MJ 
Late catch-up in lumen diameter at five-year angiography in MACE-free patients treated with sirolimus-eluting stents in the Primary Stenting of Totally Occluded Native Coronary Arteries: a randomised comparison of bare metal stent implantation with sirolimus-eluting stent implantation for the treatment of total coronary occlusions (PRISON II). 

Predictors of suboptimal TIMI flow after primary angioplasty for acute myocardial infarction: results from the HORIZONS-AMI trial 

Very long-term follow-up of strut apposition and tissue coverage with Biolimus A9 stents analyzed by optical coherence tomography 

549. Optical coherence tomography guided in-stent thrombus removal in patients with acute coronary syndromes 
550. Graaf MA de, Jukema JW
High coronary plaque burden: a heavy burden
_Eur Heart J_ 2013 doi:10.1093/eurheartj/eh298

Two-year outcomes of everlimus vs. paclitaxel-eluting stent for the treatment of unprotected left main lesions: a propensity score matching comparison of patients included in the French Left Main Taxus (FLM Taxus) and the LEft Main Xience (LEMAX) registries.

First-in-human evaluation of the novel BioMime sirolimus-eluting coronary stent with bioabsorbable polymer for the treatment of single _de novo_ lesions located in native coronary vessels – results from the merit-1 trial.
_Eurointervention_ 2013; 9(4): 493-500

Stent healing response following delivery of paclitaxel via durable polymeric matrix versus iopromide-based balloon coating in the familial hypercholesterolaemic swine model of coronary injury
_Eurointervention_ 2013; 9(4): 510-516

Third-generation zotarolimus-eluting and everolimus-eluting stents in all-comer patients requiring a percutaneous coronary intervention (DUTCH PEERS): a randomised, single-blind, multicenter, non-inferiority trial. _The Lancet_ [http://dx.doi.org/10.1016/S0140-6736(13)62037-1](http://dx.doi.org/10.1016/S0140-6736(13)62037-1)

555. Graaf MA de, Jukema JW
High coronary plaque burden: a heavy load
_Eur Heart J_ 2013; 34: 3168-3170

OCT compared with IVUS in a coronary lesion assessment
_J Am Coll Cardiol Img_ 2013; 6: 1095-1104
Plaque shift and distal embolism in patients with acute myocardial infarction: a volumetric intravascular ultrasound analysis from the HORIZONS-AMI trial
*Cath and Cardiovasc Interventions* 2013; 82: 203-209

Quantitative angiography and optical coherence tomography for the functional assessment of nonobstructive coronary stenosis: comparison with fractional flow reserve.
*Am Heart J* 2013; (in press)

559. Pyxaras SA, Tu S, Barbato E, Wyffels E, Reiber JHC, Wijns W.
Co-registration of fractional flow reserve and optical coherence tomography with the use of a three-dimensional angiographic roadmap: an opportunity for optimization of complex percutaneous coronary interventions.

Vessel remodeling and plaque distribution in side branch of complex coronary bifurcation lesions: a grayscale intravascular ultrasound study.
*Int J Cardiovasc Imaging* 2013; 29: 1657-1666

Comparative analysis of lumen enlargement mechanisms achieved with the bifurcation dedicated BiOSS® stent versus classical coronary stent implantations by means of provisional side branch stenting strategy: an intravascular ultrasound study.
*Int J Cardiovasc Imaging* 2013; 29: 1667-1676

Evaluation neointimal coverage in patients with coronary artery aneurysm formation after drug-eluting stent implantation by optical coherence tomography.
*Int J Cardiovasc Imaging* 2013; 29: 1677-1683

Optimal treatment of recurrent restenosis lesions after drug-eluting stent implantation for in-stent restenosis lesions
*Eurointervention* 2013; 9: 788-796

564. Byrne RA, Cassese S, Windisch T, King LA, Joner M, Tada T, Mehilli J, Pache J, Kastrati A
Differential relative efficacy between drug-eluting stents in patients with bare metal and drug-eluting stent restenosis; evidence in support of drug resistance: insights from the ISAR-DESIRE and ISAR-DESIRE 2 trials
565. Branden BJL van den, Teeuwen K, Koolen JJ, Schaaf RJ van der, Henriques JPS, Tijssen JGP, Kelder JC, Vermeersch PHMJ, Rensing BJWM, Suttorp MJ
Primary stenting of Totally Occluded Native Coronary Arteries III (PRISON III): a randomized comparison of sirolimus-eluting stent implantation with zotarolimus-eluting stent implantation for the treatment of total coronary occlusions
Eurointervention 2013; 9: 797-802

Clinical and angiographic characteristics of patients likely to have vulnerable plaques.
JACC: Cardiovasc Imaging 2013; 6(12): 1263-1272

Diagnostic performance of hyperaemic myocardial blood flow index obtained by dynamic computed tomography: does it predict functionally significant coronary lesions?

568. Tu S, Holm NR, Janssen JP, Reiber JHC
The fusion of three-dimensional quantitative coronary angiography and intracoronary imaging for coronary interventions.

Multiparametric cardiovascular magnetic resonance assessment of cardiac allograft vasculopathy.

Highly deliverable third-generation zotarolimus-eluting and everolimus-eluting stents in all-comer patients (DUTCH PEERS): A randomized trial.

570. Rolandi MC, Silva K De, Lumley M, Lockie TPE, Clapp B, Spaan JAE, Perera D, Siebes M
Wave speed in human coronary arteries is not influenced by microvascular vasodilation: implications for wave intensity analysis
Basic Res Cardiol 2014; 109: 405

Increased hyperaemic coronary microvascular resistance adds to the presence of myocardial ischaemia
EuroIntervention 2014;

Quantitative analysis of 1.5-T whole-heart coronary MR angiograms obtained with 32-channel cardiac coils: a comparison with conventional Quantitative Coronary Angiography.
Radiology 2014; 271(2): 356-364

J Am Coll Cardiol Interv 2014; 7: 204-211.

574. Wong DTL, Ko BS, Cameron JD, Leong DP, Leung MCH, Malaiapam Y, Nerlekar N, Crossett M, Troupis J, Meredith IT, Seneviratne SK
Comparison of diagnostic accuracy of combined assessment using adenosine stress computed tomography perfusion + computed tomography angiography with transluminal attenuation gradient + computed tomography angiography against invasive fractional flow reserve.
J Am Coll Cardiol 2014; 63: 1904-12

A randomized trial of deferred stenting versus immediate stenting to prevent no- or slow reflow in acute ST-segment elevation myocardial infarction (DEFER-STEMI).

Complex patients treated with zotarolimus-eluting Resolute and everolimus-eluting Xience V stents in the randomized TWENTE trial: comparison of 2-year clinical outcome.

577. Hoef TP van de, Lavieren MA van, Damman P, Delew R, Piek MA, 
Chamuleau SAJ, Voskuil M, Henriques JPS, Koch KT, Winter RJ de, 
Sampa JAE, Siebes M, Tijsen JGP, Meeuwissen M, Piek JJ 
Physiological basis and long-term clinical outcome of discordance between 
fractional flow reserve and coronary flow velocity reserve in coronary stenoses 
of intermediate severity. 
_Circ Cardiovasc Interv 2014 (on-line available)_

578. Saito S, Valdes-Chavarri M, Richardt G, Moreno R, Iniguez Romo A, 
Barbato E, Carrie D, Ando K, Merkely B, Kornowski R, Eltchaninoff H, 
James S, Wijns W, on behalf of the CENTURY II Investigators 
A randomized, prospective, intercontinental evaluation of a bioresorbable 
polymer sirolimus-eluting coronary stent system: the CENTURY II (Clinical 
Evaluation of New Temumo Drug-Eluting Coronary Stent System in the 
Treatment of Patients with Coronary Artery Disease) trial. 
_Eur Heart J 2014; 35: 20121-2031._

M, Iesaka Y, Kakuta T. 
Intracoronary electrocardiogram ST-segment elevation in patients with non-ST- 
segment elevation myocardial infarction and its association with culprit lesion 
location and myocardial injury. 
_EuroIntervention 2014; 10: 105-112._

580. Lam MK, Sen H, Tandjung K, Löwik MM, Basalus MWZ, Mewes JC, 
Stoel MG, Houwelingen KG van, Linssen GCM, Ijzerman MJ, Doggen 
CJM, Birgelen C von. 
Clinical outcome of patients with implantation of second generation drug- 
eluting stents in the right coronary ostium: _Insights from 2-year follow-up of the 
TWENTE trial._ 
_Cath Cardiovasc Interv 2014; doi: 10.1002/ccd.25518_

581. Tada T, Kastrati A, Byrne RA, Schuster T, Cuni R, King LA, Cassese S, 
Joner M, Pache J, Massberg S, Schömig A, Mehilli J. 
Randomized comparison of biolimus-eluting stents with biodegradable polymer 
versus everolimus-eluting stents with permanent polymer coatings assesses by 
optical coherence tomography. 
_Int J Cardiovasc Imaging 2014; 30: 495-504._

582. Lønborg J, Kelbæk H, Engstrøm T, Helqvist S, Kløvgaard L, Holmvang L, 
Vejlstrup N, Jorgensen E, Saunamäki K, Dridi NP, Kaltoft A, Bøtker H-E, 
Clemmensen P, Terkelsen CJ 
ST peak during percutaneous coronary intervention serves as an early prognostic 
predictor in patients with ST-segment elevation myocardial infarction 
_EuroIntervention 2014; 10: 466-474_
Fractional flow reserve calculation from 3-dimensional quantitative coronary angiography and TIMI frame count  
*J Am Coll Cardiol Intv* 2014; 7: 768-77

Combined NIRS and IVUS imaging detects vulnerable plaque using a single catheter system: a head-to-head comparison with OCT.  
*EuroIntervention* 2014; 10: 303-311

585. **Møller-Helgestad OK, Poulsen CB, Chistiansen EH, Lassen JF, Ravn HB**  
Support with intra-aortic balloon pump vc. Impella2.5® and blood flow to the heart, brain and kidneys – an experimental porcine model of ischaemic heart failure  
*Int J Cardiol* 2014; On-line Oct 25, 2014

586. **Sakamoto S, Taniguchi N, Mizuguchi Y, Yamada T, Nakajima S, Hata T, Takahashi A**  
Clinical and angiographic outcomes of patients undergoing entrapped guidewire retrieval in stent-jailed side branch using a balloon catheter.  
*Cath and Cardiovasc Interventions* 2014; 84: 750-756

Side branch healing patterns of the Tryton dedicated bifurcation stent: a 1-year optical coherence tomography follow-up study  
*Int J Cardiovasc Imaging* 2014; 30: 1445-1456

Clinical effects of routine postdilatation of drug-eluting stents.  
*Cath Cardiovasc Interv* 2014; 83: 898-904

Clinical outcome following second-generation drug-eluting stent use for off-label versus on-label indications: insights from 2-year outcome of the TWENTE Trial  

Clinical, angiographic, and intravascular ultrasound results of the VestSaync II Trial  
*Cath Cardiovasc Interv* 2014; 84: 1073-1079
Effects of the high-density lipoprotein mimetic agent CER-001 on coronary atherosclerosis in patients with acute coronary syndromes: a randomized trial.
*Eur Heart J* 2014; 35: 3277-3286

Long-term impact of balloon postdilatation on neointimal formation: an experimental comparative study between second-generation self-expanding versus balloon-expandable stent technologies.
*Cath and Cardiovasc Interventions* 2014; 83: 397-404

First report of a novel polymer-free dual-drug eluting stent in de novo coronary artery disease: Results of the First in Human BICARE Trial
*Cath and Cardiovasc Interventions* 2014; 83: 405-411

594. Kapoor N, Yalamanchili V, Siddiqui T, Raza S, Leesar MS
Cardioprotective effect of high-dose intragraft adenosine on microvascular function and prevention of no-reflow during saphenous vein grafts intervention.
*Cath and Cardiovasc Interventions* 2014; 83: 1045-1054

Prognostic role of restenosis in 10004 patients undergoing routine control angiography after coronary stenting.

Comparison of a novel biodegradable polymer sirolimus-eluting stent with a durable polymer everolimus-eluting stent . Results of the randomized BIOFLOW-II trial.
*Circ Cardiovasc Interv* 2015; 8.

10-month angiographic and 4-year clinical outcome of everolimus-eluting versus sirolimus-eluting coronary stents in patients with diabetes mellitus (the DiabeDES IV randomized angiography trial).
*Cath Cardiovasc Interv, 2015.*
A randomized trial of a dedicated bidurcation stent versus provisional stenting in the treatment of coronary bifurcation lesions.
*J Am Coll Cardiol* 2015; 65: 533-543.

599. Li J, Han Y, Jing J, Tu S, Chen W, Reiber JHC, Chen Y
Non-culprit coronary lesions in young patients have higher rates of atherosclerotic progression.
*Int J Cardiovasc Imaging* 2015; 31: 889-897

In vitro validation and comparison of different software packages or algorithms for coronary bifurcation analysis using calibrated phantoms: Implications for clinical practice and research of bifurcation stenting.

How bifurcation angle impacts the fate of side branch after main vessel stenting: a retrospective analysis of 1200 consecutive bifurcation lesions in a single center.

PLATINUM China: a prospective, randomized investigation of the platinum chromium everolimus-eluting stent in de novo coronary artery lesions.
*Cath Cardiovasc Interv* 2015; 85: 716-723

*Cath Cardiovasc Interv* 2015; 85: 734-743

First-in-man study evaluating the safety and efficacy of a second generation biodegradable polymer sirolimus-eluting stent in the treatment of patients with de novo coronary lesions: Clinical, angiographic, and OCT outcomes of CREDIT-1.
605. **Tu S, Bourantas Ch, Nørgaard BL, Kassab GS, Koo B-K, Reiber JHC**  
Image-based assessment of fractional flow reserve  

Fractional Flow Reserve and coronary bifurcation anatomy. A novel quantitative model to assess and report the stenosis severity of bifurcation lesions.  
*J Am Coll Cardiol Intv* 2015; 8: 564-574

Factors influencing the functional significance in intermediate coronary stenosis  
*J Geriatric Cardiology* 2015; 12: 107-112

Impact of jailing configuration and bifurcation angle on incomplete stent apposition after single crossover stenting with final kissing balloon dilatation, assessed by Three-Dimensional OCT  
*Abstract EuroPCR* 2015.

Factors influencing the functional significance in intermediate coronary stenosis  

The need for dedicated bifurcation quantitative coronary angiography (QCA) software algorithms to evaluate bifurcation lesions.  
*EuroIntervention* 2015; 11: V44-V49.

Clinical and angiographic predictors of major side branch occlusion after main vessel stenting in coronary bifurcation lesions.  
*Chinese Medical Journal* 2015; 128(11): 1471-1478

Diagnostic performance of coronary CT angiography and myocardial perfusion imaging in kidney transplantation candidates  
*J Am Coll Cardiol Img* 2015; 8: 553-562.
Comparison of different bone marrow-derived stem cell approaches in reperfused STEMI.

Randomized study of a biabsorbable polymer-coated sirolimis-eluting stent: results of the DESSOLVE II trial *EuroIntervention* 2015; 10: 1383-1390

615. Tu S, Westra JS, Yang J, Li Y, Holm NR, Reiber JHC
Functional coronary assessment based on three-dimensional quantitative coronary angiography

Predictors and periprocedural myocardial injury rate of small side branches occlusion in coronary bifurcation intervention. *Medicine* 2015; 94(25): e992

Clinical events and patient-reported chest pain in all-comers treated with Resolute Integrity and Promus element stents.
2-year follow-up of the DUTCH PEERS (DUrable Polymer-Based STent Challenge of Promus ElemEnt Versus ReSolute Integrity) Randomized Trial (TWENTE II).
*J Am Coll Cardiol Intv* 2015; 8: 889-899

Intracoronary vs intravenous bivalirudin bolus in DT-elevation myocardial infarction patients treated with primary angioplasty
Late restenosis after paclitaxel-coated balloon angioplasty occurs in patients with drug-eluting stent restenosis
*J Am Coll Cardiol* 2015; 66: 14-22

Coronary artery dominance and the risk of adverse clinical events following percutaneous coronary intervention: insights from the prospective, randomised TWENTE trial
*Eurointervention* 2015; 11: 180-187

Culprit lesion thrombus burden after manual thrombectomy or percutaneous coronary intervention-alone in ST-segment elevation myocardial infarction: the Optical coherence tomography sub-study of the TOTAL (ThrOmbec Tomy versus PCI Alone) trial.
*Eur Heart J* 2015; 36: 1892-1900

The association between in-stent neoatherosclerosis and native coronary artery disease progression: a long-term angiographic and optical coherence tomography cohort study.

Bifurcation treatment with novel, flexible drug-eluting coronary stents in all-comers: 2-year outcome in patients of the DUTCH PEERS trial

The effect of gender on outcomes of aortoiliac artery interventions for claudication
*JACR* 2015

Impact of intracoronary injection of CD133+ bone marrow stem cells on coronary atherosclerotic progression in patients with STEMI: a COMPARE-AMI IVUS substudy

Coronary Artery Disease 2015: doi:10.1097/MCA.00000000000000302

The influence of lipid-containing plaque composition assessed by near-infrared spectroscopy on coronary lesion remodelling
Eur Heart J – Cardiovasc Imaging 2015; doi:http://dx.doi.org/10.1093/ehjci/jev221

Effect of sex differences on invasive measures of coronary microvascular dysfunction in patients with angina in the absence of obstructive coronary artery disease.
J Am Coll Cardiol 2015; doi.org/10.1016/j.jcin.2015.03.045

Increased coronary lipid accumulation in heart transplant recipients with prior high-grade cellular rejection: novel insights from near-infrared spectroscopy

Feasibility of 320-row multi-detector computed tomography angiography to assess biabsorbable everolimus-eluting vascular scaffolds
Cardivasc Interv and Ther 2015; doi:10.1007/s12928-015-0353-1

Polymer-free biolimus A9-coated stents in the treatment of de novo coronary lesions: 4- and 12-month angiographic follow-up and final 5-year clinical outcomes of the prospective, multicenter BioFreedom FIM clinical trial.

History of transient ischaemic attack, myocardial infarction and hyperlipidaemia affects outcome following carotid artery stenting.
EuroIntervention 2015; 11: 808-815
Bioresorbable everolimus-eluting vascular scaffold for the treatment of chronic total occlusions: CTO-ABSORB pilot study
EuroIntervention 2015; 11: 555-563

Bioresorbable vascular scaffold treatment induces the formation of neointimal cap that seals the underlying plaque without compromising the luminal dimensions: a concept based on serial optical coherence tomography data.

A randomized trial evaluating everolimus-eluting Absorb bioresorbable scaffolds vs. everolimus-eluting metallic stents in patients with coronary artery disease: ABSORB Japan.
Eur Heart J 2015;36: 3332-3342.

Clinical outcomes of fractional flow reserve by computed tomographic angiography-guided diagnostic strategies vs usual care in patients with suspected coronary artery disease: the prospective longitudinal trial of FFR_CT: outcome and resource impacts study.
Eur Heart J 2015; 36: 3359-3367.

Complete versus lesion-only primary PCI. The Randomized Cardiovascular MR CvLPRT Substudy.
J Am Coll Cardiol 2015; 66: 2713-24

The impact of image resolution on computation of fractional flow reserve: coronary computed tomography angiography versus 3-dimensional quantitative coronary angiography.
Feasibility of 320-row multi-detector computed tomography angiography to assess bioabsorbable everolimus-eluting vascular scaffolds.
*Cardiovasc Interv and Ther* 2016; 31:96–100; doi 10.1007/s12928-015-0353-1

First-in-man evaluation of the novel balloon delivery system STENTYS Xposition S for the self-apposing coronary artery stent: impact on longitudinal geographic miss during stenting.
*EuroIntervention* 2016; 11: 1341-1345

Procedural outcomes of patients with calcified lesions treated with bioresorbable vascular scaffolds
*EuroIntervention* 2016; 11: 1355-1362

Co-registration and fusion of intracoronary imaging with angiography.
Part IV, Chapter 37: Coronary stenosis imaging, structure and physiology (2nd Edition).
J Escaned and PW Serruys (Eds).

Very high pressure dilatation for undilatable coronary lesions: indications and results with a new dedicated balloon.

Myocardial blush and microvascular reperfusion following manual thrombectomy during percutaneous coronary intervention for ST elevation myocardial infarction: insights from the TOTAL Study.

Significance of prior percutaneous revascularization in patients with acute coronary syndromes: insights from the prospective PROSPECT registry.

Can “True Bifurcation Lesion” actually be regarded as an independent risk factor of acute side branch occlusion after main vessel stenting? A retrospective analysis of 1200 consecutive bifurcation lesions in a single center.
*Cath Cardiovasc Interventions* 2016; 87: 554-563

Six-month outcomes of the XINSORB bioresorbable sirolimus-eluting scaffold in treating single de novo lesions in human coronary artery.
*Cath Cardiovasc Interventions* 2016; 87: 630-637

Clinical outcomes of patients with hypothyroidism undergoing percutaneous coronary intervention.
*Eur Heart J* 2016; 37: 2055-2065

Culprit plaque morphology in STEMI-an optical coherence tomography study: insights from the TOTAL-OCT Substudy.
*EuroIntervention* 2016; 12: 716-723

Clinical and multimodality imaging results at 6 months of a bioresorbable sirolimus-eluting scaffold for patients with single de novo coronary artery lesions: the NeoVas first-in-man trial.

In-hospital midterm clinical outcomes of rotational atherectomy followed by stent implantation: the ROTATE multicenter registry.


Valdes M, Trillo R, Brugaletta S, Otzuki S, Hernandez-Perez FJ, Alonso-Pulpon L, for the Pactitaxel Eluting Balloon in ST Elevation Myocardial Infarction (PEBSI study) investigators. A randomised trial of paclitaxel-eluting balloon after bare metal stent implantation vs bare metal stent in ST-elevation myocardial infarction (the PEBSI study)


Randomized multicenter trial investigating angiographic outcomes of hybrid sirolimus-eluting stents with biodegradable polymer compared with everolimus-eluting stents with durable polymer in chronic total occlusions. The PRISON IV Trial

*J Am Coll Cardiol Interv* 2017; 10: 133-143


Culotte stenting vs. TAP stenting for treatment of de-novo coronary bifurcation lesions with the need for side-branch stenting: the Bifurcations Bad Krozingen (BBK) II angiographic trial

*Eur Heart J* 2016; 37: 3399-3405


Angiographic and clinical outcomes of patients treated with drug-coated balloon angioplasty for in-stent restenosis after coronary bifurcation stenting with a two-stent technique.

*EuroIntervention* 2017; 12: 2132-2139


Long-term clinical outcomes of patients treated with everolimus-eluting bioresorbable stents in routine practice. 2-year Results of the ISAR-ABSORB Registry.

*J Am Coll Cardiol Intv* 2017; 10: 1222-9


Prevalence, predictors, and clinical presentation of a calcified nodule as assessed by Optical Coherence Tomography.

*J Am Coll Cardiol Img* 2017; 10: 883-891.


*EuroIntervention* 2017; 13: 415-423


Second-generation magnesium scaffold Magmaris: device design and preclinical evaluation in a porcine coronary artery model.

*EuroIntervention* 2017; 13: 440-449