



I. Personal data

---

# Curriculum Vitae

## Curriculum vitae

Martin J. Swaans

Date of birth and place

Address

13-feb-2022

Nationality

Dutch

Civil status



II. Education

---

2007 / 2012

Resident cardiology, St.Antonius Hospital, Nieuwegein

2008 / 2010

Internal Medicine

1999 / 2005

Faculty of Medicine, University of Maastricht

*Basic medical degree 08-2005*

*Doctoral degree with honours 09-2003*

*Foundation year 08-2000*

1993 / 1999

Pre-university education, "Het Pantarijn", Wageningen

### Relevant working experience

01-2016 / Current	Cardiologist St.Antonius Hospital Nieuwegein
07-2012 / 12-2015	Fellow Cardiac Imaging, St. Antonius hospital, Nieuwegein
05-2007 / 07-2012	Resident cardiology, St.Antonius hospital, Nieuwegein
12-2006 / 05-2007	Resident cardiology not in training, St. Antonius Hospital Nieuwegein
08-2005 / 12-2006	Resident cardiology and internal medicine not in training, TweeSteden Hospital Tilburg

### Internships

07-2005 / 08-2005	Internship Cardiology, Aruba Heart Centre, Aruba
03-2005 / 05-2005	ENT,
04-2003 / 07-2003	Cardiology, Academic hospital Maastricht, Maastricht, Science internship. <i>Incentive award: "risk of sudden cardiac death in patients after an acute myocardial infarction and reduced left ventricular function"</i>

### III. PhD

2010 / 2014

Thesis: "Transcatheter cardiac interventions and the role of interventional echocardiography"

## Publications

1. van Ginkel DJ, Brouwer J, van Hemert ND, Kraaijeveld AO, Rensing BJWM, **Swaans MJ**, Timmers L, Voskuil M, Stella PR, Ten Berg JM. Major threats to early safety after transcatheter aortic valve implantation in a contemporary cohort of real-world patients. *Neth Heart J*. 2021 Nov 1. Online ahead of print.
2. Neves P, Pillay T, Annest L, van Bladel K, Kaiser E, Stahl F, Hanke T, **Swaans M**, Klein P, Ruf T, von Bardeleben RS. Patient selection for LIVE therapy: From clinical indications to multimodality imaging individual case planning. *Echocardiography*. 2021 Sep 9. Online ahead of print.
3. Halim J, Brouwer J, Lycke M, **Swaans MJ**, Van der Heyden J. Transcatheter aortic valve replacement: impact of pre-procedural FEops HEARTguide assessment on device size selection in borderline annulus size cases. *Neth Heart J*. 2021 Sep 8. doi: 10.1007/s12471-021-01620-4. Online ahead of print.
4. Meijerink F, Koch KT, de Winter RJ, Holierook M, Rensing BJWM, Timmers L, Eefting FD, **Swaans MJ**, Bouma BJ, Baan J. Transcatheter tricuspid valve repair: early experience in the Netherlands. *Neth Heart J*. 2021 Nov;29(11):595-603.
5. **Swaans MJ**, Huijboom MFM, Boersma LVA. Fluoroscopic Guidance: An Echo From the Past? *JACC Cardiovasc Interv*. 2021 Aug 23;14(16):1827-1829.
6. Ooms JF, Bouwmeester S, Debonnaire P, Nasser R, Voigt JU, Schotborgh MA, Geleijnse ML, Kardys I, Spitzer E, Daemen J, De Jaegere PP, Houthuizen P, **Swaans MJ**, Dubois C, Claeys M, Van Der Heyden J, Tonino PA, Van Mieghem NM. Transcatheter Edge-to-Edge Repair in Proportionate Versus Disproportionate Functional Mitral Regurgitation. *J Am Soc Echocardiogr*. 2021 Aug 11:S0894-7317(21)00641-6.
7. Wintgens LIS, Klaver MN, Maarse M, Spitzer SG, Langbein A, **Swaans MJ**, Van Dijk VF, Balt JC, Wijffels MCEF, Tijssen JGP, Elvan A, Boersma LVA. Efficacy and safety of the GOLD FORCE multicentre randomized clinical trial: multielectrode phased radiofrequency vs. irrigated radiofrequency single-tip catheter with contact force ablation for treatment of symptomatic paroxysmal atrial fibrillation. *Europace*. 2021 Jul 19:euab168.
8. Wunderlich NC, Honold J, **Swaans MJ**, Siegel RJ. How to Image and Manage Prosthesis-Related Complications After Transcatheter Aortic Valve Replacement. *Curr Cardiol Rep*. 2021 Jul 1;23(8):94.

9. Bor WL, Chan Pin Yin DRPP, Brouwer J, Nijenhuis VJ, Peper J, Timmers L, Rensing BJWM, **Swaans MJ**, Ten Berg JM. Assessment of the Academic Research Consortium for High Bleeding Risk Criteria in Patients Undergoing TAVR. *JACC Cardiovasc Interv.* 2021 Jun 14;14(11):1265-1267.
10. Brouwer J, Nijenhuis VJ, Delewi R, van Ginkel DJ, **Swaans MJ**, Ocak G, Rensing BJWM, Timmers L, Baan J, Ten Berg JM. Periprocedural Course of Proteinuria After Transcatheter Aortic Valve Implantation: Substudy From the POPular TAVI Trial. *Circ Cardiovasc Interv.* 2021 Jul;14(7):e010404.
11. Peper J, Schaap J, Kelder JC, Rensing BJWM, Grobbee DE, Leiner T, **Swaans MJ**. Added value of computed tomography fractional flow reserve in the diagnosis of coronary artery disease. *Sci Rep.* 2021 Mar 24;11(1):6748.
12. Peper J, van Hamersvelt RW, Rensing BJWM, van Kuijk JP, Voskuil M, Berg JMT, Schaap J, Kelder JC, Grobbee DE, Leiner T, **Swaans MJ**. Diagnostic performance and clinical implications for enhancing a hybrid quantitative flow ratio-FFR revascularization decision-making strategy. *Sci Rep.* 2021 Mar 19;11(1):6425.
13. Wunderlich NC, Landendinger M, Arnold M, Achenbach S, **Swaans MJ**, Siegel RJ, Ho SY. State-of-the-Art Review: Anatomical and Imaging Considerations During Transcatheter Tricuspid Valve Repair Using an Annuloplasty Approach. *Front Cardiovasc Med.* 2021 Feb 5;8:619605.
14. Bakker ALM, Mathijssen H, Azzahhafi J, **Swaans MJ**, Veltkamp M, Keijsers RGM, Akdim F, Post MC, Grutters JC. Effectiveness and safety of infliximab in cardiac Sarcoidosis. *Int J Cardiol.* 2021 May 1;330:179-185.
15. Agricola E, Ancona F, Brochet E, Donal E, Dweck M, Faletra F, Lancellotti P, Mahmoud-Elsayed H, Marsan NA, Maurovich-Hovart P, Monaghan M, Ribeiro J, Sade LE, **Swaans M**, Von Bardeleben RS, Wunderlich N, Zamorano JL, Popescu BA, Cosyns B, Edvardsen T; Reviewers: This document was reviewed by members of the 2018-2020 EACVI Scientific Documents Committee. The structural heart disease interventional imager rationale, skills and training: a position paper of the European Association of Cardiovascular Imaging. *Eur Heart J Cardiovasc Imaging.* 2021 Apr 28;22(5):471-479.
16. Adamo M, Alos B, Metra M, Lefèvre T, **Swaans MJ**, Gheorghe L, Tschöpe C, Krackhardt F, Alfieri O, Bouleti C. Patient with heart failure: importance to treat valvular diseases. *Eur Heart J Suppl.* 2020 Dec 23;22(Suppl Pt t):P38-P41.

17. Maarse M, Wintgens LIS, Ponomarenko A, Phillips KP, Romanov AB, Ballesteros G, **Swaans MJ**, Folkeringa RJ, Garcia-Bolao I, Boersma LVA. Impact of anticoagulation strategy after left atrial appendage occlusion in patients requiring direct current cardioversion. *J Cardiovasc Electrophysiol*. 2021 Mar;32(3):737-744.
18. Nijenhuis VJ, Meyer A, Brouwer J, Mahmoodi BK, Unbehaun A, Spaziano M, Buzzatti N, Stundl A, Jørgensen TH, Kooistra NHM, Adamo M, Saraf S, Amrane H, Bruschi G, Zivelonghi C, **Swaans MJ**, Werner N, Nickenig G, Hildick-Smith D, Stella PR, Latib A, Soendergaard L, Sinning JM, Lefevre T, Pasic M, Kempfert J, Ten Berg JM. The effect of transcatheter aortic valve implantation approaches on mortality. *Catheter Cardiovasc Interv*. 2021 Jun 1;97(7):1462-1469.
19. Naderi H, Robinson S, **Swaans MJ**, Bual N, Cheung WS, Reid L, Shun-Shin M, Asaria P, Pabari P, Cole G, Kanaganayagam GS, Sutaria N, Bellamy M, Fox K, Nihoyannopoulos P, Petraco R, Al-Lamee R, Nijjer SS, Sen S, Ruparelia N, Baker C, Mikhail G, Malik I, Khamis R, Varnava A, Francis D, Mayet J, Rana B. Adapting the role of handheld echocardiography during the COVID-19 pandemic: A practical guide. *Perfusion*. 2021 Sep;36(6):547-558.
20. Gheorghe LL, Mobasser S, Agricola E, Wang DD, Milla F, **Swaans M**, Pandis D, Adams DH, Yadav P, Sievert H, Ailawadi G, Sorajja P. Imaging for Native Mitral Valve Surgical and Transcatheter Interventions. *JACC Cardiovasc Imaging*. 2021 Jan;14(1):112-127.
21. Gheorghe L, Brouwer J, Wang DD, Wunderlich N, Rana B, Rensing B, Eefting F, Timmers L, **Swaans M**. Current Devices in Mitral Valve Replacement and Their Potential Complications. *Front Cardiovasc Med*. 2020 Nov 27;7:531843.
22. Snijder RJR, Renes LE, **Swaans MJ**, Suttorp MJ, Ten Berg JM, Post MC. Microtransesophageal Echocardiographic Guidance during Percutaneous Interatrial Septal Closure without General Anaesthesia. *J Interv Cardiol*. 2020 Sep 7;2020:1462140.
23. Brouwer J, Nijenhuis VJ, Delewi R, Hermanides RS, Holvoet W, Dubois CLF, Frambach P, De Bruyne B, van Houwelingen GK, Van Der Heyden JAS, Toušek P, van der Kley F, Buyschaert I, Schotborgh CE, Ferdinande B, van der Harst P, Roosen J, Peper J, Thielen FWF, Veenstra L, Chan Pin Yin DRPP, **Swaans MJ**, Rensing BJWM, van 't Hof AWJ, Timmers L, Kelder JC, Stella PR, Baan J, ten Berg JM. Aspirin With or Without Clopidogrel After Transcatheter Aortic Valve Implantation. Accepted for *N Eng J Med*.

24. Willemsen L, Jansen P, Peper J, Soliman Hamad M, van Straten A, Klein P, Hackeng C, Sonker U, Bekker M, von Birgelen C, Brouwer M, van der Harst P, Vlot E, Deneer V, Chan Pin Yin D, Gimbel M, Beukema K, Daeter E, Kelder J, Tijssen J, Rensing BJWM, van Es W, **Swaans MJ**, ten Berg J. The Effect of Adding Ticagrelor to Standard Aspirin on Saphenous Vein Graft Patency in Patients Undergoing Coronary Artery Bypass Grafting (POPular CABG). A randomized, doubleblind, placebo-controlled trial. Accepted for Circulation.
25. Gheorghe L, Mobasseri S, Argicola E, Wang DD, Milla F, **Swaans MJ**, Pandis D, Adams D, Yadav P, Sievert H, Ailawadi G, Sorajja P. Imaging for Native Mitral Valve Surgical and Transcatheter Interventions. Accepted for JACC: cardiovascular imaging.
26. Brouwer J, Nijenhuis VJ, Gheorghe L, ten Berg JM, Rensing BJWM, Timmers L, **Swaans MJ**. The Accuracy of Patient Specific Computer Modelling in Predicting Device Size and Paravalvular Aortic Regurgitation in Complex Transcatheter Aortic Valve Replacement Procedures. Accepted for Structural Heart.
27. Peper J, Suchá D, **Swaans MJ**, Leiner T. Functional cardiac CT-Going beyond Anatomical Evaluation of Coronary Artery Disease with Cine CT, CT-FFR, CT Perfusion and Machine Learning. Br J Radiol. 2020 Sep 1;93(1113):20200349.
28. Kroon S, Van Thor MCJ, Vorselaars VMM, Hosman AE, **Swaans MJ**, Snijder RJ, Mager HJ, Post MC. The use of echo density to quantify pulmonary right-to-left shunt in transthoracic contrast echocardiography. Eur Heart J Cardiovasc Imaging. 2020 Jul 15.
29. Gheorghe L, Brouwer J, Gutierrez A, Rensing BJWM, Rana BS, Ten Berg JM, Eefting FD, Timmers L, **Swaans MJ**. Can TAVR Be Effectively and Safely Performed Without Intraprocedural TEE? Curr Cardiol Rep. 2020 Jul 9;22(9):80.
30. Wintgens LIS, Maarse M, **Swaans MJ**, Rensing BJWM, van Dijk VF, Boersma LVA. The WATCHMAN Left Atrial Appendage Closure Device for Patients With Atrial Fibrillation: Current Status and Future Perspectives. Expert Rev Med Devices. 2020 Jul;17(7):615-626.
31. Brouwer J, Nijenhuis VJ, Gheorghe L, ten Berg JM, Rensing BJWM, Timmers L, **Swaans MJ**. The Accuracy of Patient Specific Computer Modelling in Predicting Device Size and Paravalvular Aortic Regurgitation in Complex Transcatheter Aortic Valve Replacement Procedures. Accepted for Structural Heart.

32. Huitema MP, Bakker ALM, Mager JJ, Snijder RJ, Rensing BJWM, **Swaans MJ**, Grutters JC, Post MC. Predicting pulmonary hypertension in sarcoidosis; value of PH probability on echocardiography. *Int J Cardiovasc Imaging*. 2020 Aug;36(8):1497-1505.
33. Nijenhuis VJ, Brouwer J, Delewi R, Hermanides RS, Holvoet W, Dubois CLF, Frambach P, De Bruyne B, van Houwelingen GK, Van Der Heyden JAS, Toušek P, van der Kley F, Buyschaert I, Schotborgh CE, Ferdinande B, van der Harst P, Roosen J, Peper J, Thielen FWF, Veenstra L, Chan Pin Yin DRPP, **Swaans MJ**, Rensing BJWM, van 't Hof AWJ, Timmers L, Kelder JC, Stella PR, Baan J, Ten Berg JM. Anticoagulation with or without Clopidogrel after Transcatheter Aortic-Valve Implantation. *N Engl J Med*. 2020 Apr 30;382(18):1696-1707.
34. Gheorghe L, Rensing BJWM, vd Heyden JAS, Rana B, Post MC, **Swaans MJ**. Tricuspid regurgitation: no longer the “forgotten” valve”. *EMJ Cardiol*. 2019;7[1]:119-127.
35. Maarse M, **Swaans MJ**, Boersma LVA. Postprocedural Management: Anticoagulation and Beyond. *Card Electrophysiol Clin*. 2020 Mar;12(1):77-88.
36. Maarse M, Wintgens LIS, Klaver MN, Rensing BJWM, **Swaans MJ**, Boersma LVA. Feasibility of paediatric probes in transoesophageal echocardiographic guiding of left atrial appendage closure in adults. *EuroIntervention*. 2020 Feb 18. pii: EIJ-D-19-00943.
37. **Swaans MJ**, Gheorghe L. 2 Dysfunctional Valves and 1 Poor Ventricle: Is There Still Hope? *JACC Cardiovasc Interv*. 2020 Feb 5. pii: S1936-8798(20)30009-1.
38. Zimarino M, Ricci F, Capodanno D, De Innocentiis D, Verrengia E, **Swaans MJ**, Lombardi C, Brouwer J, Gallina S, Grasso C, De Caterina R, Tamburino C. Left Ventricular Size Predicts Clinical Benefit After Percutaneous Mitral Valve Repair for Secondary Mitral Regurgitation: a Systematic Review and Meta-Regression Analysis. *Cardiovasc Revasc Med*. 2019 Nov 15. pii: S1553-8389(19)30746-8.
39. Gheorghe L, Ielasi A, Rensing BJWM, Eefting FD, Timmers L, Latib A, **Swaans MJ**. Complications Following Percutaneous Mitral Valve Repair. *Front Cardiovasc Med*. 2019 Oct 18;6:146.
40. Rocatello G, El Faquir N, de Backer O, **Swaans MJ**, Latib A, Vicentini L, Segers P, De Beule M, de Jaegere P, Mortier P. The Impact of Size and Position of a Mechanical Expandable Transcatheter Aortic Valve: Novel Insights Through Computational Modelling and Simulation. *J Cardiovasc Transl Res*. 2019 Oct;12(5):435-446.

41. Gheorghe L, Brouwer J, Mathijssen H, Nijenhuis VJ, Rensing BJ, **Swaans MJ**, Chan Pin Yin DR, Heijmen RH, De Kroon T, Sonker U, Van der Heyden JA, Ten Berg JM. Early Outcomes After Percutaneous Closure of Access Site in Transfemoral Transcatheter Valve Implantation Using the Novel Vascular Closure Device Collagen Plug-Based MANTA. *Am J Cardiol.* 2019 Oct 15;124(8):1265-1271.
42. Brouwer J, Ten Berg JM, Rensing BJWM, **Swaans MJ**. First Use of Futuristic Image Fusion Technology During Transcatheter Aortic Valve Replacement. *JACC Cardiovasc Interv.* 2019 Nov 11;12(21):2223-2224.
43. Lozano Granero VC, Fernández Santos S, Fernández-Golfín C, González Gómez A, Plaza Martín M, de la Hera Galarza JM, Faletra FF, **Swaans MJ**, López-Fernández T, Mesa D, La Canna G, Echeverría García T, Habib G, Martínez Monzonís A, Zamorano Gómez JL; SITAR (Strain Imaging in Transcatheter Aortic-Valve Replacement) group. Sustained Improvement of Left Ventricular Strain following Transcatheter Aortic Valve Replacement. *Cardiology.* 2019;143(1):52-61.
44. Wintgens LIS, Vorselaars VMM, Klaver MN, **Swaans MJ**, Alipour A, Rensing BJWM, Post MC, Boersma LVA. Left atrial appendage closure in atrial fibrillation patients with prior major bleeding or ineligible for oral anticoagulation. *Neth Heart J.* 2019 2019 Dec;27(12):613-620.
45. Maarse M, Boersma LVA, **Swaans MJ**. Thrombi outside the left atrial appendage: "small potatoes"? *EuroIntervention.* 2019 Jun 12;15(3):e216-e218.
46. Brouwer J, Gheorghe LL, Rensing BJWM, **Swaans MJ**. First use of 3D-TEE Model based Fully Automatic Fusion of 3D-MSCT and Fluoroscopy during Transcatheter Aortic Valve Implantation. *EuroIntervention.* 2019 Nov 20;15(10):900-901.
47. Gheorghe L, Rensing BJWM, Van der Heyden JAS, Eefting FD, Post MC, Rana B, **Swaans MJ**. Transcatheter Tricuspid Valve Interventions: An Emerging Field. *Curr Cardiol Rep.* 2019 Mar 28;21(5):37.
48. Rana B, Robinson S, Francis R, Toshner M, **Swaans MJ**, Agarwal S, De Silva R, Rana AA, Nihoyannopoulos P. Tricuspid regurgitation and the right ventricle: risk stratification and timing of intervention. *Echo Res Pract.* 2019 Mar 1;6(1):R25-R39.
49. van Laar C, Bentala M, Weimar T, Doll N, **Swaans MJ**, Molhoek SG, Hofman FN, Kelder J, van Putte BP. Thoracoscopic ablation for the treatment of atrial fibrillation: a systematic outcome analysis of a multicentre cohort. *Europace.* 2019 Jun 1;21(6):893-899.



50. Sanchis L, Nijenhuis VJ, Post MC, Van Der Heijden JAS, Rensing BJWM, ten Berg JM, de Kroon TL, Brouwer J, Heijmen RH, **Swaans MJ**. Septal Bulge and Risk of Paravalvular Leak After Transcatheter Aortic Valve Replacement. *Structural Heart*. 2019, 3:4, 329-333.
51. Kortlandt F, Velu J, Schurer R, Van den Branden B, Bouma B, Kelder J, Eefting F, **Swaans MJ**, Rensing B, Baan J Jr, Van der Heyden JAS. Impact of mitral valve treatment choice on mortality, according to etiology. *EuroIntervention*. 2019 Apr 20;14(17):1733-1739.
52. Gheorghe L, **Swaans MJ**, Denti P, Rensing B, Van der Heyden J. Transcatheter Tricuspid Valve Repair With a Novel Cinching System. *JACC Cardiovasc Interv*. 2018 Dec 24;11(24):e199-e201.
53. Brouwer J, Gheorghe L, Nijenhuis VJ, Ten Berg JM, Rensing BJWM, van der Heyden JAS, **Swaans MJ**. Insight on patient specific computer modeling of transcatheter aortic valve implantation in patients with bicuspid aortic valve disease. *Catheter Cardiovasc Interv*. 2019 May 1;93(6):1097-1105.
54. Wintgens LIS, Klaver MN, **Swaans MJ**, Alipour A, Balt JC, van Dijk VF, Rensing BJWM, Wijffels MCEF, Boersma LVA. Left atrial catheter ablation in patients with previously implanted left atrial appendage closure devices. *Europace*. 2019 Mar 1;21(3):428-433.
55. Klein P, Agostoni P, van Boven WJ, de Winter RJ, **Swaans MJ**. Transcatheter and minimally invasive surgical left ventricular reconstruction for the treatment of ischaemic cardiomyopathy: preliminary results. *Interact Cardiovasc Thorac Surg*. 2018 Sep 17.
56. Benito-González T, Estévez-Loureiro R, Iglesias-Gárriz I, Gualis J, Pérez de Prado A, Garrote C, **Swaans MJ**, Van der Heyden JAS, Feldman T, Giannini C, Alonso D, Rodríguez-Santamarta M, Castaño M, Fernández-Vázquez F. Survival Advantage of MitraClip® Over Medical Treatment in Patients with Mitral Regurgitation: A Meta-Analysis. *J Heart Valve Dis*. 2017 Nov;26(6):651-658.
57. Giannini C, D'ascenzo F, Fiorelli F, Spontoni P, **Swaans MJ**, Velazquws EJ, Armeni P, Adamo M, De Carlo M, Petronio AS. A meta-analysis of MitraClip combined with medical therapy versus medical therapy alone for treatment of mitral regurgitation in heart failure patients. *ESC Heart Fail*. 2018 Sep 6.
58. Boersma LVA, Rensing BJWM, Wintgens LI, Klaver M, **Swaans MJ**. Percutaneous left atrial appendage closure for stroke prevention in atrial fibrillation: is left atrial

appendage closure an alternative for anticoagulation? *Ned Tijdschr Geneeskd.* 2018 Jun 15

59. Lozano Granero VC, Fernández Santos S, Fernández-Golfín C, Plaza Martín M, de la Hera Galarza JM, Faletra FF, **Swaans MJ**, López-Fernández T, Mesa D, La Canna G, Echeverría García T, Habib G, Martíne Monzonís A, Zamorano Gómez JL. Immediate improvement of left ventricular mechanics following transcatheter aortic valve replacement. *Cardiol J.* 2018 Jun 20. doi: 10.5603
60. Kortlandt F, Velu J, Schurer R, Hendriks T, Van den Branden B, Bouma B, Feldman T, Kelder J, Bakker A, Post M, Van der Harst P, Eefting F, **Swaans M**, Rensing B, Baan J Jr, Van der Heyden J. Survival After MitraClip Treatment Compared to Surgical and Conservative Treatment for High-Surgical-Risk Patients With Mitral Regurgitation. *Circ Cardiovasc Interv.* 2018 Jun;11(6):e005985.
61. Wintgens L, Romanov A, Phillips K, Ballesteros G, **Swaans M**, Folkeringa R, Garcia-Bolao I, Pokushalov E, Boersma L. Combined atrial fibrillation ablation and left atrial appendage closure: long-term follow-up from a large multicentre registry. *Europace.* 2018 Mar 13.
62. Monteagudo Ruiz JM, Galderisi M, Buonauro A, Badano L, Aruta P, **Swaans MJ**, Sanchis L, Saraste A, Monaghan M, Theodoropoulos KC, Papitsas M, Liel-Cohen N, Kobal S, Bervar M, Berlot B, Filippatos G, Ikonomidis I, Katsanos S, Tanner FC, Cassani D, Faletra FF, Leo LA, Martinez A, Matabuena J, Grande-Trillo A, Alonso-Rodriguez D, Mesa D, Gonzalez-Alujas T, Sitges M, Carrasco-Chinchilla F, Li CH, Fernandez-Golfin C, Zamorano JL. Overview of mitral regurgitation in Europe: results from the European Registry of mitral regurgitation (EuMiClip). *Eur Heart J Cardiovasc Imaging.* 2018 May 1;19(5):503-507.
63. Nijenhuis VJ, Bennaghmouch N, **Swaans MJ**, Vorselaars VMM, Heijmen RH, de Kroon TL, Kelder JC, van der Heyden JAS, Rensing BJWM, ten Berg JM. Prognostic value of renal function improvement and injury in patients undergoing TAVI. *Am J Cardiol.* 2018 May 15;121(10):1239-1245.
64. Kougioumtzoglou AM, Smith T, **Swaans MJ**, Boersma LVA, van Putte BP. Thoracoscopic left atrial appendage clipping as novel treatment option for peri-device leakage. *Europace.* 2018 Jun 1;20(6):955.

65. Donnelly PM, Kolossváry M, Karády J, Ball PA, Kelly S, Fitzsimons D, Spence MS, Celeng C, Horváth T, Szilveszter B, van Es HW, **Swaans MJ**, Merkely B, Maurovich-Horvat P. Experience With an On-Site Coronary Computed Tomography-Derived Fractional Flow Reserve Algorithm for the Assessment of Intermediate Coronary Stenoses. *Am J Cardiol.* 2018 Jan 1;121(1):9-13.
66. Velu JF, Kortlandt F, Hendriks T, Schurer RAJ, van Boven A, Koch K, Vis MM, Henriques JPS, Piek JJ, Van den Branden BJ, Schaap J, Rensing BJWM, **Swaans MJ**, Bouma BJ, Van der Heyden JAS, Baan Jr J. Comparison of Outcome After Percutaneous Mitral Valve Repair With the MitraClip in Patients With Versus Without Atrial Fibrillation. *Am J Cardiol.* 2017 Dec 1;120(11):2035-2040.
67. Zivelonghi C, Klein P, **Swaans MJ**, Agostoni P. Hybrid Transcatheter Left Ventricular Reconstruction for the Treatment of Ischemic Cardiomyopathy. *EuroIntervention.* 2017 Oct 3.
68. Van den Brink FS, **Swaans MJ**, Alipour A, Kelder JC, Jaarsma W, Eefting FD, ten Berg JM. Increased incidence of infective endocarditis after the 2009 European Society of Cardiology Guideline Update: A nation-wide study in the Netherlands. *Eur Heart J Qual Care Clin Outcomes.* 2017 Apr 1;3(2):141-147.
69. Nijenhuis VJ, Alipour A, Wunderlich NC, Rensing BJWM, Gijsbers G, Ten Berg JM, Suttorp MJ, Boersma LVA, van der Heyden JAS, **Swaans MJ**. Feasibility of multiplane microtransoesophageal echocardiographic guidance in structural heart disease transcatheter interventions in adults. *Neth Heart J.* 2017 Sep 8.
70. Nijenhuis VJ, Sanchis L, van der Heyden JAS, Klein P, Rensing BJWM, Latib A, Maisano F, Ten Berg JM, Agostoni P, **Swaans MJ**. The last frontier: transcatheter devices for percutaneous or minimally invasive treatment of chronic heart failure. *Neth Heart J.* 2017 Jul 24.
71. Teng J, Nijenhuis V, **Swaans MJ**, Yong G, Schultz C. How to plan an Overlap Free Projection on CTA or fluoroscopy to facilitate quantitative analysis. *EuroIntervention.* 2017 Jun 13.
72. Alipour A, Wintgens LI, **Swaans MJ**, Balt JC, Rensing BJ, Boersma LV. Novel stroke risk reduction in atrial fibrillation: left atrial appendage occlusion with a focus on the Watchman closure device. *Vasc Health Risk Manag.* 2017 Mar 6;13:81-90.

73. Nijenhuis VJ, **Swaans MJ**, Ten Berg JM. Complete blood flow obstruction due to a distally embolised Edwards SAPIEN valve prosthesis. *EuroIntervention*. 2016 Dec 10;12(11):e1436.
74. Snijder RJ, Luermans JG, de Heij AH, Thijs V, Schonewille WJ, Van De Bruaene A, **Swaans MJ**, Budts WI, Post MC. Patent Foramen Ovale With Atrial Septal Aneurysm Is Strongly Associated With Migraine With Aura: A Large Observational Study. *J Am Heart Assoc*. 2016 Dec 1;5(12).
75. Nijenhuis VJ, Huitema MP, Vorselaars VM, **Swaans MJ**, de Kroon TL, van der Heijden JAS, Rensing BJWM, Heijmen RH, Post MC, ten Berg JM. Echocardiographic pulmonary hypertension probability is associated with clinical outcomes after transcatheter aortic valve implantation. *Int J Cardiol*. 2016 Dec 15;225:218-225.
76. **Swaans MJ**, Boersma LV. Atrial appendage occlusion for stroke prevention in patients with atrial fibrillation. *Heart*. 2016 Dec 15;102(24):1943-1944.
77. **Swaans MJ**, Wintgens LI, Alipour A, Rensing BJ, Boersma LV. Percutaneous left atrial appendage closure devices: safety, efficacy, and clinical utility. *Med Devices (Auckl)*. 2016 Sep 2;9:309-16.
78. Mohamed Hoesein FA, **Swaans MJ**, Jiwa LS, Seldenrijk CA, van Es HW. An unusual case of systemic amyloid causing constrictive heart failure. *Neth Heart J*. 2016 Sep;24(9):556.
79. Kortlandt FA, van 't Klooster CC, Bakker ALM, **Swaans MJ**, Kelder JC, de Kroon TL, Rensing BJWM, Eefting FD, van der Heyden JAS, Post MC. The Predictive Value of Conventional Surgical Risk Scores for Periprocedural Mortality in Percutaneous Mitral Valve Repair. *Neth Heart J*. 2016 Jul;24(7-8):475-80.
80. Huitema MP, **Swaans MJ**, Grutters JC, Post MC. A case highly suspicious of isolated cardiac sarcoidosis. *Neth Heart J*. 2016 Jun;24(6):433-4.
81. Kortlandt FA, de Beenhouwer T, **Swaans MJ**, Post MC, van der Heyden JAS, Eefting FD, Rensing BJWM. Mortality after percutaneous edge-to-edge mitral valve repair: a contemporary review. *Cardiovasc Diagn Ther*. 2016 Apr;6(2):160-5.
82. Nijenhuis VJ, **Swaans MJ**, ten Berg JM. Transfemoral rescue for transapical malpositioned TAVI device. *Rev Esp Cardiol (Engl Ed)*. 2016 Jun;69(6):608.
83. Alipour A, **Swaans MJ**, van Dijk VF, Balt JC, Post MC, Bosschaert MAR, Rensing BJWM, Reddy VY, Boersma LVA. Ablation for atrial fibrillation combined with left atrial appendage closure. *JACC: Clinical Electrophysiology* 2015, 1 (6) 486-495.

84. Mohamed Hoesein FAA, **Swaans MJ**, Van Es HW. A 39-year old otherwise healthy female with acute chest pain. *Heart*. 2016 Apr;102(7):540, 547.
85. Snijder RJR, **Swaans MJ**, Post MC. Microprobe transesophageal echocardiographic guidance in transcatheter interatrial septal device implantation in heart failure with a preserved ejection fraction. *EuroIntervention*. 2016 Jun 20;12(3):401.
86. Huitema MP, **Swaans MJ**, Grutters JC, Post MC. A case highly suspicious of isolated cardiac sarcoidosis. *Neth Heart J*. 2016 Jun;24(6):433-4.
87. Triantafyllis AS, Kortlandt F, Bakker ALM, **Swaans MJ**, Eefting FD, van der Heyden JAS, Post MC, Rensing BJWM. Long-term Survival And Preprocedural Predictors Of Mortality In High Surgical Risk Patients Undergoing Percutaneous Mitral Valve Repair. *Catheter Cardiovasc Interv*. 2016 Feb 15;87(3):467-75.
88. Alipour A, **Swaans MJ**, Post MC, Rensing BJWM, Eefting FD, van der Heyden JAS. Unintentional sealing of the mitral valve with a second MitraClip: Once bitten, twice shy. *EuroIntervention*. 2015 Sep 22;11(5):597.
89. **Swaans MJ**, Alipour A, Boersma LV. Using the Watchman device to close the left atrial appendage reduces risk of stroke in atrial fibrillation, compared to using warfarin. *Evid Based Med*. 2015 Jun;20(3):101.
90. Wunderlich NC, Beigel R, **Swaans MJ**, Ho SY, Siegel RJ. Percutaneous Left Atrial Appendage Exclusion: Options, Assessment, and Imaging Using 2D and 3D Echocardiography. *JACC Cardiovasc Imaging*. 2015 Apr;8(4):472-88.
91. Vorselaars VM, Velthuis S, **Swaans MJ**, Mager JJ, Snijder RJ, Rensing BJWM, Boersma LVA, Post MC. Percutaneous left atrial appendage closure-An alternative strategy for anticoagulation in atrial fibrillation and hereditary hemorrhagic telangiectasia? *Cardiovasc Diagn Ther*. 2015 Feb;5(1):49-53.
92. Michiels V, **Swaans MJ**, Sorgdrager BJ, Veldkamp RF, Heijmen RH, Ten Berg JM. When Collateral Damage Does Matter: Iatrogenic Ventricular Septal Rupture After PCI of the Left Anterior Descending Artery. *JACC Cardiovasc Interv*. 2015 Feb;8(2):367-8.
93. **Swaans MJ**, Michiels V, Nijenhuis VJ, Heijmen RH, ten Berg JM. Transcatheter mitral paravalvular leakage closure: A beautiful last resort. *Journal of Cardiology Cases*. 2014;10(4):147-49.
94. Nijenhuis VJ, **Swaans MJ**, Michiels V, de Kroon T, Heijmen RH, Ten Berg JM. "First experience with JenaValve™: a single-centre cohort". *Neth Heart J*. 2015;23(1):35-41.

95. Nijenhuis VJ, **Swaans MJ**, Post MC, Heijmen RH, de Kroon TL, ten Berg JM. Open transapical approach to transcatheter paravalvular leakage closure: a preliminary experience. *Circ Cardiovasc Interv.* 2014 Aug;7(4):611-20.
96. Wunderlich NC, **Swaans MJ**, Kùx H, Beigel R, Siegel RJ. Echo essentials for endoluminal left atrial appendage closure. *Cardiac Interventions Today.* 2014; 20(4):161-6.
97. **Swaans MJ**, Bakker AL, Alipour A, Post MC, Kelder JC, de Kroon TL, Eefting FD, Rensing BJ, van der Heyden JAS. Survival of transcatheter mitral valve repair compared to surgical and conservative treatment in high risk patients. *JACC Cardiovasc Interv.* 2014 Aug;7(8):875-81.
98. Schultz CJ, Slots TLB, Yong G, Aben JP, van Mieghem, **Swaans MJ**, Rahhab Z, El Faquir N, Geuns R, Mast EG, Zijlstra F, de Jaegere PPT. An objective and reproducible method for quantification of aortic regurgitation after TAVI. *EuroIntervention.* 2014 Jul;10(3):355-63.
99. Perez AJ, **Swaans MJ**, Rensing BJWM, Heijmen RH, Boersma LVA, Post MC. Embolisation of a left atrial appendage closure device unmasked by intermittent left bundle branch block. *JACC Cardiovasc Interv.* 2014 Sep;7(9):e115-7.
100. Bakker AL, **Swaans MJ**, van der Heyden JA, Eefting FD, Rensing BJ, Post MC. Complications during percutaneous edge-to-edge mitral valve repair. *Herz.* 2013 Aug;38(5):484-9.
101. **Swaans MJ**, Alipour A, Rensing BJ, Post MC, Boersma LV. Catheter ablation in combination with left atrial appendage closure for atrial fibrillation. *J Vis Exp.* 2013 Feb 26;(72).
102. **Swaans MJ**, Post MC, Rensing BJWM, Boersma LVA. Ablation for atrial fibrillation in combination with left atrial appendage closure: First results of a feasibility study. *J Am Heart Assoc.* 2012 Oct;1(5):e002212.
103. Albu C, **Swaans MJ**, Ten Berg JM. With the back against the wall: TAVI in a patient with endocarditis. *Catheter Cardiovasc Interv.* 2013 Oct 1;82(4):E595-7.
104. Van der Heyden JAS, **Swaans MJ**, Post MC. Clip op lekkende klep. *Hart & Slagaders*, September 2012.
105. Velthuis S, **Swaans MJ**, Mager JJ, Rensing BJWM, Boersma LVA, Post MC. Left Atrial Appendage Closure for Stroke Prevention in Patients with Atrial Fibrillation and

Hereditary Hemorrhagic Telangiectasia. Case Reports in Cardiology, vol. 2012, Article ID 646505, 3 pages, 2012.

106. van Werkum MH, **Swaans MJ**, van Es HW, Rensing BJWM, van Heesewijk JPM. Case 190: Papillary fibroelastoma of the pulmonary valve. Radiology. 2012 Oct;265(1):314-6.
107. **Swaans MJ**, Post MC, Rensing BJWM, Boersma LVA. Percutaneous Left Atrial Appendage Closure for stroke prevention in Atrial Fibrillation. Neth Heart J. 2012 Apr;20(4):161-6.
108. Van den Branden BJ, **Swaans MJ**, Post MC, Rensing BJ, Eefting FD, Jaarsma W, Van der Heyden JA. MitraClip® therapy in high-surgical-risk patients: do we hit the target? JACC Cardiovasc Interv. 2012 Jan;5(1):105-11.
109. **Swaans MJ**, Van den Branden BJ, Post MC, Van der Heyden JA. A complicated transseptal puncture during Mitraclip procedure. Eur J Echocardiogr. 2011 Dec;12(12):E45.
110. **Swaans MJ**, Post MC, van der Ven H, Heijmen RH, Budts W, Ten Berg JM. Transapical treatment of paravalvular leaks in patients with a logistic EuroSCORE of more than 15%: Acute and three months outcomes of a "proof of concept" study. Catheter Cardiovasc Interv. 2012 Apr 1;79(5):741-7.
111. **Swaans MJ**, Van den Branden BJ, Post MC, Van der Heyden JA. The Percutaneous Mitral Valve Repair Procedure – The Role of Echocardiographic Guidance. European Cardiology, 2011;7(3):175–8.
112. Franzen O, van der Heyden J, Baldus S, Schlüter M, Schillinger W, Butter C, Hoffmann R, Corti R, Pedrazzini G, **Swaans MJ**, Neuss M, Rudolph V, Sürder D, Grünenfelder J, Eulenburg C, Reichenspurner H, Meinertz T, Auricchio A. MitraClip® therapy in patients with end-stage systolic heart failure. Eur J Heart Fail. 2011 May;13(5):569-76
113. Van den Branden BJ, Post MC, **Swaans MJ**, Rensing BJ, Eefting FD, Plokker HW, Jaarsma W, Van der Heyden JA. Percutaneous mitral valve repair using the edge-to-edge technique in a high-risk population. Neth Heart J. 2010 Sep;18(9):437-43.
114. **Swaans MJ**, Post MC, ten Berg JM. Transapical repair of mitral valve paravalvular leakage using 3-D transesophageal guidance. Catheter Cardiovasc Interv. 2011 Jan 1;77(1):121-3.

115. Van den Branden BJ, **Swaans MJ**, Post MC, Rensing BJ, Eefting FD, Jaarsma W, Van der Heyden JA. Redo mitral valve clipping after partial clip detachment. *JACC Cardiovasc Interv.* 2010 Feb;3(2):251-2.
116. **Swaans MJ**, Post MC, Van den Branden BJ, Rensing BJWM, Eefting FD, Plokker HWM, Jaarsma W, van der Heyden JAS. Percutane behandeling van mitralisklepinsufficiëntie met de Mitraclip device. *Tijdschrift voor cardiologie.* 2010 Dec; 22(8): 527-530.
117. Van de Wal RMA, **Swaans MJ**, Deneer VH, Biemond-Moeniralam H, Meinders AJ. Midodrine for ICU patients suffering from refractory hypotension. *Neth J Crit Care.* 2010 Feb 14 (1): 36-38.
118. **Swaans MJ**, Van den Branden BJ, Van der Heyden JA, Post MC, Rensing BJ, Eefting FD, Plokker HW, Jaarsma W. Three-dimensional transoesophageal echocardiography in a patient undergoing percutaneous mitral valve repair using the edge-to-edge clip technique. *Eur J Echocardiogr.* 2009 Dec;10(8):982-3.
119. van Gent MW, Post MC, Snijder RJ, **Swaans MJ**, Plokker HW, Westermann CJ, Overtom TT, Mager JJ. Grading of pulmonary right-to-left shunt with transthoracic contrast echocardiography: does it predict the indication for embolotherapy? *Chest.* 2009 May;135(5):1288-92.
120. **Swaans MJ**, Braam RL, Heijmen RH, Plokker HW, Jaarsma W. Three-dimensional transesophageal echocardiography in a patient with early failure of mitral valve repair: why are we still looking at a three-dimensional structure in 2 dimensions? *Circ Cardiovasc Imaging.* 2008 Nov;1(3):282-3.

### **Book Chapter**

1. Garbi M, Magne J, Maisano F, **Swaans MJ**, Dulgheru R, Lancellotti P. Mitral Regurgitation. In: *Heart Valve Disease – State of the art.* Print ISBN: 978-3-030-23103-3.
2. Kortlandt FA, **Swaans MJ**, van der Heyden JAS. Mitral Valve regurgitation – Mitraclip. *Textbook of Catheter-Based Cardiovascular Interventions*
3. **Swaans MJ**. Mitral valve regurgitation devices. In: *Textbook on Valvular Medicine.* Springer. ISBN-10: 1447141318.
4. **Swaans MJ**, van der Heyden JAS. 3D Transesophageal echo-guided MitraClip treatment of P3 mitral valve prolapse. In: *Atlas of Percutaneous Edge-to-Edge Mitral Valve Repair.* Springer. ISBN-10: 1447142934.



## Awards

- 2019** Highlight of the year award CSI congress
- 2010** Best abstract/oral presentation NVVC congress 2010.  
Session: Percutaneous valve implantation/acute intervention.
- 2003** Incentive price of the University of Maastricht for Scientific work: "Risico op plotse hartdood bij infarctpatiënten met een verminderde linker ventrikelfunctie"

## Memberships

- 2021 Fellow of the European Society of Cardiology (FESC)
- 2019 Heart Valve Society
- 2017 WASOG (World Association of Sarcoidosis and other Granulomatous Disorders)
- 2016 ESC Working group on Valvular Heart Disease
- 2013 Werkgroep echocardiografie NVVC
- 2012 American Society of Echocardiography (ASE)
- 2011 European Association of Echocardiography (EAE)
- 2007 Nederlandse Vereniging voor Cardiologie (NVVC)

## IV. Related activities

- 2021 / present METRIC (Multidisciplinary European TRicuspid Disease Research Consortium) collaborator
- 2021 / present Associate Editor Frontiers in Cardiovascular Medicine (Structural Interventional Cardiology)
- 2021 / 2021 ESC congress abstract grader
- 2018 / present Program committee PCR Tokyo Valves
- 2018 / present Editorial board Journal of interventional cardiology
- 2016 / present Co-director CSI (Congenital and Structural Interventions) congress Frankfurt
- 2016 / present Member user committee STW-project "Development of 3D intra-cardiac echography (ICE) "
- 2019/ 2019 Scientific committee EACVI Euroecho congress and other imaging modalities 2019, Vienna, Austria

2018 / 2018	Scientific committee EACVI Euroecho congress and other imaging modalities 2018, Milan, Italië
2017 / 2017	Scientific committee EACVI Euroecho congress and other imaging modalities 2017, Lissabon, Portugal
2016 / 2016	Scientific committee EACVI Euroecho congress and other imaging modalities 2016, Leipzig, Duitsland
2015 / 2015	Scientific committee EACVI Euroecho congress and other imaging modalities 2015, Sevilla, Spanje
2014 / 2014	Scientific committee EACVI Euroecho congress and other imaging modalities 2014, Wenen, Oostenrijk
2013 / 2013	Scientific committee EACVI Euroecho congress and other imaging modalities 2013, Istanbul, Turkije
2013 / 2016	Workinggroup EACVI: "Development of the valvular box"
2012 / present	Faculty member Watchman left atrial appendage closure multidisciplinary team training voor startende centra in Europa, Midden-Oosten en Afrika
2010 / present	Faculty member Crossroads Instituut / (echocardiografie) trainer Percutaneous Mitral Valve Repair: Multidisciplinary Team Training voor startende centra in Europa, Midden-Oosten en Afrika
2010 / present	Faculty member echocardiography faculty / echocardiografie trainer van Mitraclip proctors van Abbott Vascular
2008 / present	Reviewer Circulation cardiovascular imaging, JACC cardiovascular interventions, BMJ, BMJ Case reports, Heart, Open Heart, The American Journal of Cardiology, European Journal of Echocardiography / European Heart journal - Cardiovascular imaging, Catheterization and Cardiovascular Interventions, Eurointervention, Journal of the American Society of Echocardiography, European Journal of Neurology, Journal of Atrial fibrillation, EuroPace, Thrombosis research, The Journal of Heart Valve Disease, International Journal of Cardiology, Journal of interventional cardiology, Arrhythmia & Electrophysiology Review, Expert review of Medical devices, Heart and Vessels, Journal of

Cardiovascular Computed Tomography, Cardiovascular Diagnosis and Therapy, Reviews in Cardiovascular Medicine, Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, Netherlands Heart Journal, Nederlands tijdschrift voor geneeskunde.