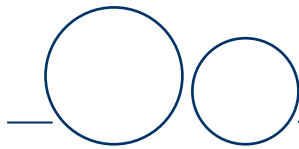




Eigene wissenschaftliche Arbeiten zur TAVI

Zur internen Qualitätskontrolle und zur stetigen Weiterentwicklung der Techniken und Erfahrungen haben wir in Heidelberg das TAVI Programm immer mit wissenschaftlichen Fragestellungen begleitet. Im Folgenden ist eine Auswahl solcher wissenschaftlichen Publikationen aufgeführt, die wir durchgeführt haben, oder bei denen wir im Rahmen internationaler Studien beteiligt waren

1. Transcatheter Replacement of Failed Bioprosthetic Valves: Large Multicenter Assessment of the Effect of Implantation Depth on Hemodynamics After Aortic Valve-in-Valve. Simonato M, Webb J, Kornowski R, Vahanian A, Frerker C, Nissen H, Bleiziffer S, Duncan A, Rodés-Cabau J, Attizzani GF, Horlick E, Latib A, Bekerredjian R, Barbanti M, Lefevre T, Cerillo A, Hernández JM, Bruschi G, Spargias K, Iadanza A, Brecker S, Palma JH, Finkelstein A, Abdel-Wahab M, Lemos P, Petronio AS, Champagnac D, Sinning JM, Salizzoni S, Napodano M, Fiorina C, Marzocchi A, Leon M, Dvir D. *Circ Cardiovasc Interv.* 2016 Jun;9(6).
2. Optimal Implantation Depth and Adherence to Guidelines on Permanent Pacing to Improve the Results of Transcatheter Aortic Valve Replacement With the Medtronic CoreValve System: The CoreValve Prospective, International, Post-Market ADVANCE-II Study. Petronio AS, Sinning JM, Van Mieghem N, Zucchelli G, Nickenig G, Bekerredjian R, Bosmans J, Bedogni F, Branny M, Stangl K, Kovac J, Schiltgen M, Kraus S, de Jaegere P. *JACC Cardiovasc Interv.* 2015 May;8(6):837-46.
3. The extent of aortic annulus calcification is a predictor of postprocedural eccentricity and paravalvular regurgitation: a pre- and postinterventional cardiac computed tomography angiography study. Bekerredjian R, Bodingbauer D, Hofmann NP, Greiner S, Schuetz M, Geis NA, Kauczor HU, Bryant M, Chorianopoulos E, Pleger ST, Mereles D, Katus HA, Korosoglou G. *J Invasive Cardiol.* 2015 Mar;27(3):172-80.
4. First experience with the new generation Edwards Sapien 3 aortic bioprosthesis: procedural results and short term outcome. Murray MI, Geis N, Pleger ST, Kallenbach K, Katus HA, Bekerredjian R, Chorianopoulos E. *J Interv Cardiol.* 2015 Feb;28(1):109-16.
5. Transcatheter aortic valve implantation in failed bioprosthetic surgical valves. Dvir D, Webb JG, Bleiziffer S, Pasic M, Waksman R, Kodali S, Barbanti M, Latib A,



Schaefer U, Rodés-Cabau J, Treede H, Piazza N, Hildick-Smith D, Himbert D, Walther T, Hengstenberg C, Nissen H, Bekerredjian R, Presbitero P, Ferrari E, Segev A, de Weger A, Windecker S, Moat NE, Napodano M, Wilbring M, Cerillo AG, Brecker S, Tchetché D, Lefèvre T, De Marco F, Fiorina C, Petronio AS, Teles RC, Testa L, Laborde JC, Leon MB, Kornowski R; Valve-in-Valve International Data Registry Investigators. JAMA. 2014 Jul;312(2):162-70.

6. Feasibility of sheathless transfemoral aortic valve implantation in patients with small access vessel diameters. Geis NA, Chorianopoulos E, Kallenbach K, André F, Pleger ST, Karck M, Katus HA, Bekerredjian R. Clin Res Cardiol. 2014 Oct;103(10):775-80.
7. Procedural results with the self-expanding 31 mm CoreValve aortic bioprosthesis in patients with large annuli. Murray MI, Geis N, Pleger ST, Katus HA, Bekerredjian R, Chorianopoulos E. J Interv Cardiol. 2014 Apr;27(2):191-8.
8. Preserved prognostic value of preinterventional troponin T levels despite successful TAVI in patients with severe aortic stenosis. Chorianopoulos E, Krumdorst U, Geis N, Pleger ST, Giannitsis E, Katus HA, Bekerredjian R. Clin Res Cardiol. 2014 Jan;103(1):65-72.
9. Objective quantification of aortic valvular structures by cardiac computed tomography angiography in patients considered for transcatheter aortic valve implantation. Korosoglou G, Gitsioudis G, Waechter-Stehle I, Weese J, Krumdorst U, Chorianopoulos E, Hosch W, Kauczor HU, Katus HA, Bekerredjian R. Catheter Cardiovasc Interv. 2013 Jan 1;81(1):148-59.
10. Transcatheter aortic valve replacement for degenerative bioprosthetic surgical valves: results from the global valve-in-valve registry. Dvir D, Webb J, Brecker S, Bleiziffer S, Hildick-Smith D, Colombo A, Descoutures F, Hengstenberg C, Moat NE, Bekerredjian R, Napodano M, Testa L, Lefevre T, Guetta V, Nissen H, Hernández JM, Roy D, Teles RC, Segev A, Dumonteil N, Fiorina C, Gotzmann M, Tchetché D, Abdel-Wahab M, De Marco F, Baumbach A, Laborde JC, Kornowski R. Circulation. 2012 Nov 6;126(19):2335-44.
11. Improved procedural results after CoreValve implantation with the new AccuTrak delivery system. Chorianopoulos E, Krumdorst U, Pleger ST, Katus HA, Bekerredjian R. J Interv Cardiol. 2012 Apr;25(2):174-9.
12. Incidence of late occurring bradyarrhythmias after TAVI with the self-expanding CoreValve® aortic bioprosthesis. Chorianopoulos E, Krumdorst U, Pleger ST, Katus HA, Bekerredjian R. Clin Res Cardiol. 2012 May;101(5):349-55.
13. Usefulness of percutaneous aortic valve implantation to improve quality of life in patients over 80 years of age. Bekerredjian R, Krumdorst U, Chorianopoulos E, Kallenbach K, Karck M, Katus HA, Rottbauer W. Am J Cardiol. 2010 Dec 15;106(12):1777-81.