

1: Kany S, Alken FA, Schleberger R, Baran J, Luik A, Haas A, Ene E, Deneke T, Dinshaw L, Rillig A, Metzner A, Reissmann B, Makimoto H, Reents T, Popa MA, Deisenhofer I, Piotrowski R, Kulakowski P, Kirchhof P, Scherschel K, Meyer C. Bipolar ablation of therapy-refractory ventricular arrhythmias: application of a dedicated approach. *Europace*. 2021 Dec 18:euab304. doi: 10.1093/europace/euab304. Epub ahead of print. PMID: 34922350.

2: Vila M, Rivolta MW, Luongo G, Unger LA, Luik A, Gigli L, Lombardi F, Loewe A, Sassi R. Atrial Flutter Mechanism Detection Using Directed Network Mapping. *Front Physiol*. 2021 Oct 26;12:749635. doi: 10.3389/fphys.2021.749635. PMID: 34764882; PMCID: PMC8577834.

3: Sánchez J, Luongo G, Nothstein M, Unger LA, Saiz J, Trenor B, Luik A, Dössel O, Loewe A. Using Machine Learning to Characterize Atrial Fibrotic Substrate From Intracardiac Signals With a Hybrid *in silico* and *in vivo* Dataset. *Front Physiol*. 2021 Jul 5;12:699291. doi: 10.3389/fphys.2021.699291. PMID: 34290623; PMCID: PMC8287829.

4: Nothstein M, Luik A, Jadidi A, Sánchez J, Unger LA, Wülfers EM, Dössel O, Seemann G, Schmitt C, Loewe A. CVAR-Seg: An Automated Signal Segmentation Pipeline for Conduction Velocity and Amplitude Restitution. *Front Physiol*. 2021 May 24;12:673047. doi: 10.3389/fphys.2021.673047. PMID: 34108887; PMCID: PMC8181407.

5: Luongo G, Azzolin L, Schuler S, Rivolta MW, Almeida TP, Martínez JP, Soriano DC, Luik A, Müller-Edenborn B, Jadidi A, Dössel O, Sassi R, Laguna P, Loewe A. Machine learning enables noninvasive prediction of atrial fibrillation driver location and acute pulmonary vein ablation success using the 12-lead ECG. *Cardiovasc Digit Health J*. 2021 Apr;2(2):126-136. doi: 10.1016/j.cvdhj.2021.03.002. PMID: 33899043; PMCID: PMC8053175.

6: Unger LA, Azzolin L, Nothstein M, Sánchez J, Luik A, Seemann G, Yeshwant S,

Oesterlein T, Dössel O, Schmitt C, Spector P, Loewe A. Cycle length statistics during human atrial fibrillation reveal refractory properties of the underlying substrate: a combined in silico and clinical test of concept study. *Europace*. 2021 Mar 4;23(23 Suppl 1):i133-i142. doi: 10.1093/europace/euaa404. PMID: 33751084.

7: Das M, Luik A, Shepherd E, Sulkin M, Laughner J, Oesterlein T, Duffy E, Meyer C, Jais P, Duchateau J, Yue A, Ullah W, Ramos P, García-Bolao I. Local catheter impedance drop during pulmonary vein isolation predicts acute conduction block in patients with paroxysmal atrial fibrillation: initial results of the LOCALIZE clinical trial. *Europace*. 2021 Jul 18;23(7):1042-1051. doi: 10.1093/europace/euab004. Erratum in: *Europace*. 2021 Nov 18;: PMID: 33550380; PMCID: PMC8286855.

8: Yap SC, Anic A, Breskovic T, Haas A, Bhagwandien RE, Jurisic Z, Szili-Torok T, Luik A. Comparison of procedural efficacy and biophysical parameters between two competing cryoballoon technologies for pulmonary vein isolation: Insights from an initial multicenter experience. *J Cardiovasc Electrophysiol*. 2021 Mar;32(3):580-587. doi: 10.1111/jce.14915. Epub 2021 Feb 1. PMID: 33492749; PMCID: PMC7986676.

9: Vacanti G, Bramlage P, Schymik G, Schmitt C, Luik A, Swojanowsky P, Tzamalís P. Reduced rate of admissions for acute coronary syndromes during the COVID-19 pandemic: an observational analysis from a tertiary hospital in Germany. *Herz*. 2020 Nov;45(7):663-667. doi: 10.1007/s00059-020-04991-3. Epub 2020 Oct 7. PMID: 33026483; PMCID: PMC7539285.

10: Johnson V, Ernst S, Kirchhof P, Lugenbiel P, Luik A, Schmidt B, Duncker D. Karrierewege in der Rhythmologie [Careers in cardiac electrophysiology]. *Herzschrittmacherther Elektrophysiol*. 2020 Dec;31(4):334-340. German. doi: 10.1007/s00399-020-00719-2. Epub 2020 Sep 23. PMID: 32965520.

11: Luongo G, Schuler S, Luik A, Almeida TP, Soriano DC, Dossel O, Loewe A. Non-Invasive Characterization of Atrial Flutter Mechanisms Using Recurrence Quantification Analysis on the ECG: A Computational Study. *IEEE Trans Biomed Eng.* 2021 Mar;68(3):914-925. doi: 10.1109/TBME.2020.2990655. Epub 2021 Feb 18. PMID: 32746003.

12: du Fay de Lavallaz J, Badertscher P, Kobori A, Kuck KH, Brugada J, Boveda S, Providência R, Khoueiry Z, Luik A, Squara F, Kosmidou I, Davtyan KV, Elvan A, Perez-Castellano N, Hunter RJ, Schilling R, Knecht S, Kojodjojo P, Wasserlauf J, Oral H, Matta M, Jain S, Anselmino M, Kühne M. Sex-specific efficacy and safety of cryoballoon versus radiofrequency ablation for atrial fibrillation: An individual patient data meta-analysis. *Heart Rhythm.* 2020 Aug;17(8):1232-1240. doi: 10.1016/j.hrthm.2020.04.020. Epub 2020 Apr 20. PMID: 32325197.

13: Frisch D, Oesterlein TG, Unger LA, Lenis G, Wakili R, Schmitt C, Luik A, Dossel O, Loewe A. Mapping and Removing the Ventricular Far Field Component in Unipolar Atrial Electrograms. *IEEE Trans Biomed Eng.* 2020 Oct;67(10):2905-2915. doi: 10.1109/TBME.2020.2973471. Epub 2020 Feb 12. PMID: 32070940.

14: Loewe A, Poremba E, Oesterlein T, Luik A, Schmitt C, Seemann G, Dössel O. Patient-Specific Identification of Atrial Flutter Vulnerability-A Computational Approach to Reveal Latent Reentry Pathways. *Front Physiol.* 2019 Jan 14;9:1910. doi: 10.3389/fphys.2018.01910. PMID: 30692934; PMCID: PMC6339942.

15: Schymik G, Bramlage P, Herzberger V, Bergmann J, Conzelmann LO, Würth A, Luik A, Schröfel H, Tzamalís P. Impact of Dialysis on the Prognosis of Patients Undergoing Transcatheter Aortic Valve Implantation. *Am J Cardiol.* 2019 Jan 15;123(2):315-322. doi: 10.1016/j.amjcard.2018.10.008. Epub 2018 Oct 18. PMID: 30424871.

16: Schymik G, Herzberger V, Bergmann J, Bramlage P, Conzelmann LO, Würth A, Luik A, Schröfel H, Tzamalís P. Evolution of transcatheter aortic valve

implantation over 7 years: results of a prospective single-centre registry of 2000 patients in a large municipal hospital (TAVIK Registry). *BMJ Open*. 2018 Oct 25;8(10):e022574. doi: 10.1136/bmjopen-2018-022574. PMID: 30366914; PMCID: PMC6224754.

17: Oesterlein TG, Loewe A, Lenis G, Luik A, Schmitt C, Dossel O. Automatic Identification of Reentry Mechanisms and Critical Sites During Atrial Tachycardia by Analyzing Areas of Activity. *IEEE Trans Biomed Eng*. 2018 Oct;65(10):2334-2344. doi: 10.1109/TBME.2018.2794321. Epub 2018 Jan 16. PMID: 29993521.

18: Schymik G, Varsami C, Bramlage P, Conzelmann LO, Würth A, Luik A, Schröfel H, Tzamalís P. Two-Year Outcomes of Transcatheter Compared With Surgical Aortic Valve Replacement in "Minimal-Risk" Patients Lacking EuroSCORE Co-morbidities (from the TAVIK Registry). *Am J Cardiol*. 2018 Jul 1;122(1):149-155. doi: 10.1016/j.amjcard.2018.02.053. Epub 2018 Mar 13. PMID: 29861048.

19: Brinkmeier-Theofanopoulou M, Tzamalís P, Wehrkamp-Richter S, Radzewitz A, Merkel M, Schymik G, van Mark G, Bramlage P, Schmitt C, Luik A. Periprocedural anticoagulation during left atrial ablation: interrupted and uninterrupted vitamin K-antagonists or uninterrupted novel anticoagulants. *BMC Cardiovasc Disord*. 2018 Apr 27;18(1):71. doi: 10.1186/s12872-018-0804-6. PMID: 29703158; PMCID: PMC5924498.

20: Verma B, Oesterlein T, Loewe A, Luik A, Schmitt C, Dössel O. Regional conduction velocity calculation from clinical multichannel electrograms in human atria. *Comput Biol Med*. 2018 Jan 1;92:188-196. doi: 10.1016/j.combiomed.2017.11.017. Epub 2017 Nov 26. PMID: 29223114.

21: Schmidt B, Neuzil P, Luik A, Oscala Asensi J, Schrickel JW, Deneke T, Bordignon S, Petru J, Merkel M, Sediva L, Klostermann A, Perrotta L, Cano O, Chun KRJ. Laser Balloon or Wide-Area Circumferential Irrigated Radiofrequency

Ablation for Persistent Atrial Fibrillation: A Multicenter Prospective Randomized Study. *Circ Arrhythm Electrophysiol.* 2017 Dec;10(12):e005767. doi: 10.1161/CIRCEP.117.005767. PMID: 29217521.

22: Schymik G, Tzamalís P, Herzberger V, Bergmann J, Bramlage P, Würth A, Conzelmann LO, Luik A, Schröfel H. Transcatheter aortic valve implantation in patients with a reduced left ventricular ejection fraction: a single-centre experience in 2000 patients (TAVIK Registry). *Clin Res Cardiol.* 2017 Dec;106(12):1018-1025. doi: 10.1007/s00392-017-1151-9. Epub 2017 Aug 21. PMID: 28828679.

23: Luik A, Kunzmann K, Hörmann P, Schmidt K, Radzewitz A, Bramlage P, Schenk T, Schymik G, Merkel M, Kieser M, Schmitt C. Cryoballoon vs. open irrigated radiofrequency ablation for paroxysmal atrial fibrillation: long-term FreezeAF outcomes. *BMC Cardiovasc Disord.* 2017 May 25;17(1):135. doi: 10.1186/s12872-017-0566-6. PMID: 28545407; PMCID: PMC5445510.

24: Oesterlein T, Frisch D, Loewe A, Seemann G, Schmitt C, Dössel O, Luik A. Basket-Type Catheters: Diagnostic Pitfalls Caused by Deformation and Limited Coverage. *Biomed Res Int.* 2016;2016:5340574. doi: 10.1155/2016/5340574. Epub 2016 Dec 13. PMID: 28070511; PMCID: PMC5187596.

25: Hörmann P, Luik A, Schmitt C. Vorhofflimmern: Rhythmus- oder Frequenzkontrolle? [Atrial fibrillation: rate or rhythm control?]. *Dtsch Med Wochenschr.* 2016 Oct;141(22):1611-1616. German. doi: 10.1055/s-0042-111581. Epub 2016 Nov 4. PMID: 27824416.

26: Buiatti A, von Olshausen G, Barthel P, Schneider S, Luik A, Kaess B, Laugwitz KL, Hoppmann P. Cryoballoon vs. radiofrequency ablation for paroxysmal atrial fibrillation: an updated meta-analysis of randomized and observational studies. *Europace.* 2017 Mar 1;19(3):378-384. doi: 10.1093/europace/euw262. PMID: 27702864.

27: Luik A, Mignanelli L, Kroschel K, Schmitt C, Rembe C, Scalise L. Laser Doppler vibrometry as a noncontact method to detect various degrees of atrioventricular block: a feasibility study. *Future Cardiol.* 2016 May;12(3):269-79. doi: 10.2217/fca-2015-0008. Epub 2016 Apr 22. PMID: 27103102.

28: Oesterlein TG, Schmid J, Bauer S, Jadidi A, Schmitt C, Dössel O, Luik A. Analysis and visualization of intracardiac electrograms in diagnosis and research: Concept and application of KaPAVIE. *Comput Methods Programs Biomed.* 2016 Apr;127:165-73. doi: 10.1016/j.cmpb.2015.12.007. Epub 2015 Dec 24. PMID: 26774236.

29: Loewe A, Schulze WH, Jiang Y, Wilhelms M, Luik A, Dössel O, Seemann G. ECG-Based Detection of Early Myocardial Ischemia in a Computational Model: Impact of Additional Electrodes, Optimal Placement, and a New Feature for ST Deviation. *Biomed Res Int.* 2015;2015:530352. doi: 10.1155/2015/530352. Epub 2015 Oct 26. PMID: 26587538; PMCID: PMC4637443.

30: von Bary C, Eckardt L, Steven D, Neuberger HR, Tilz RR, Bonnemeier H, Thomas D, Deneke T, Estner HL, Kuniss M, Luik A, Sommer P, Voss F, Meyer C, Shin DI, Kriatselis C. AV-Knoten-Reentrytachykardie. Diagnostik und Therapie [AV nodal reentrant tachycardia. Diagnosis and therapy]. *Herzschrittmacherther Elektrophysiol.* 2015 Dec;26(4):351-8. German. doi: 10.1007/s00399-015-0399-x. PMID: 26558907.

31: Luik A, Radzewitz A, Kieser M, Walter M, Bramlage P, Hörmann P, Schmidt K, Horn N, Brinkmeier-Theofanopoulou M, Kunzmann K, Riexinger T, Schymik G, Merkel M, Schmitt C. Cryoballoon Versus Open Irrigated Radiofrequency Ablation in Patients With Paroxysmal Atrial Fibrillation: The Prospective, Randomized, Controlled, Noninferiority FreezeAF Study. *Circulation.* 2015 Oct 6;132(14):1311-9. doi: 10.1161/CIRCULATIONAHA.115.016871. Epub 2015 Aug 17. PMID: 26283655; PMCID: PMC4590523.

32: Lenis G, Pilia N, Oesterlein T, Luik A, Schmitt C, Dössel O. P wave detection and delineation in the ECG based on the phase free stationary wavelet transform and using intracardiac atrial electrograms as reference. *Biomed Tech (Berl)*. 2016 Feb;61(1):37-56. doi: 10.1515/bmt-2014-0161. PMID: 26136298.

33: Schilling C, Keller M, Scherr D, Oesterlein T, Haïssaguerre M, Schmitt C, Dössel O, Luik A. Fuzzy decision tree to classify complex fractionated atrial electrograms. *Biomed Tech (Berl)*. 2015 Jun;60(3):245-55. doi: 10.1515/bmt-2014-0110. PMID: 25781659.

34: Schymik G, Heimeshoff M, Bramlage P, Herbing T, Würth A, Pilz L, Schymik JS, Wondraschek R, Süselbeck T, Gerhardus J, Luik A, Gonska BD, Tzamalīs P, Posival H, Schmitt C, Schröfel H. A comparison of transcatheter aortic valve implantation and surgical aortic valve replacement in 1,141 patients with severe symptomatic aortic stenosis and less than high risk. *Catheter Cardiovasc Interv*. 2015 Oct;86(4):738-44. doi: 10.1002/ccd.25866. Epub 2015 Mar 17. PMID: 25641398.

35: Oesterlein TG, Lenis G, Rudolph DT, Luik A, Verma B, Schmitt C, Dössel O. Removing ventricular far-field signals in intracardiac electrograms during stable atrial tachycardia using the periodic component analysis. *J Electrocardiol*. 2015 Mar-Apr;48(2):171-80. doi: 10.1016/j.jelectrocard.2014.12.004. Epub 2014 Dec 10. PMID: 25595719.

36: Ammar S, Luik A, Hessling G, Bruhm A, Reents T, Semmler V, Buiatti A, Kathan S, Hofmann M, Kolb C, Schmitt C, Deisenhofer I. Ablation of perimitral flutter: acute and long-term success of the modified anterior line. *Europace*. 2015 Mar;17(3):447-52. doi: 10.1093/europace/euu297. Epub 2015 Jan 6. PMID: 25564547.

37: Schymik G, Würth A, Bramlage P, Herbing T, Heimeshoff M, Pilz L, Schymik JS, Wondraschek R, Süselbeck T, Gerhardus J, Luik A, Gonska BD, Posival H, Schmitt C, Schröfel H. Long-term results of transapical versus transfemoral TAVI

in a real world population of 1000 patients with severe symptomatic aortic stenosis. *Circ Cardiovasc Interv.* 2014 Dec 31;8(1):e000761. doi: 10.1161/CIRCINTERVENTIONS.113.000761. PMID: 25552563.

38: Schymik G, Schröfel H, Heimeshoff M, Luik A, Thoenes M, Mandinov L. How to adapt the implantation technique for the new SAPIEN 3 transcatheter heart valve design. *J Interv Cardiol.* 2015 Feb;28(1):82-9. doi: 10.1111/joic.12165. Epub 2014 Dec 12. PMID: 25495073; PMCID: PMC4359039.

39: Ugarte JP, Orozco-Duque A, Tobón C, Kremen V, Novak D, Saiz J, Oesterlein T, Schmitt C, Luik A, Bustamante J. Dynamic approximate entropy electroanatomic maps detect rotors in a simulated atrial fibrillation model. *PLoS One.* 2014 Dec 9;9(12):e114577. doi: 10.1371/journal.pone.0114577. Erratum in: *PLoS One.* 2015;10(3):e0118677. PMID: 25489858; PMCID: PMC4260907.

40: Schymik G, Tzamalís P, Bramlage P, Heimeshoff M, Würth A, Wondraschek R, Gonska BD, Posival H, Schmitt C, Schröfel H, Luik A. Clinical impact of a new left bundle branch block following TAVI implantation: 1-year results of the TAVIK cohort. *Clin Res Cardiol.* 2015 Apr;104(4):351-62. doi: 10.1007/s00392-014-0791-2. Epub 2014 Nov 12. PMID: 25388650.

41: Schymik G, Heimeshoff M, Bramlage P, Wondraschek R, Süselbeck T, Gerhardus J, Luik A, Posival H, Schmitt C, Schröfel H. Ruptures of the device landing zone in patients undergoing transcatheter aortic valve implantation: an analysis of TAVI Karlsruhe (TAVIK) patients. *Clin Res Cardiol.* 2014 Nov;103(11):912-20. doi: 10.1007/s00392-014-0729-8. Epub 2014 Jun 8. PMID: 24908338.

42: Keller MW, Schuler S, Wilhelms M, Lenis G, Seemann G, Schmitt C, Dössel O, Luik A. Characterization of radiofrequency ablation lesion development based on simulated and measured intracardiac electrograms. *IEEE Trans Biomed Eng.* 2014 Sep;61(9):2467-78. doi: 10.1109/TBME.2014.2322515. Epub 2014 May 7. PMID: 24816474.



43: Keller MW, Schuler S, Luik A, Seemann G, Schilling C, Schmitt C, Dössel O. Comparison of simulated and clinical intracardiac electrograms. *Annu Int Conf IEEE Eng Med Biol Soc.* 2013;2013:6858-61. doi: 10.1109/EMBC.2013.6611133. PMID: 24111320.

44: Neuberger HR, Tilz RR, Bonnemeier H, Deneke T, Estner HL, Kriatselis C, Kuniss M, Luik A, Sommer P, Steven D, von Bary C, Voss F, Eckardt L. A survey of German centres performing invasive electrophysiology: structure, procedures, and training positions. *Europace.* 2013 Dec;15(12):1741-6. doi: 10.1093/europace/eut149. Epub 2013 Jun 4. PMID: 23736806.

45: Schymik G, Schröfel H, Schymik JS, Wondraschek R, Süselbeck T, Kiefer R, Balthasar V, Luik A, Posival H, Schmitt C. Acute and late outcomes of Transcatheter Aortic Valve Implantation (TAVI) for the treatment of severe symptomatic aortic stenosis in patients at high- and low-surgical risk. *J Interv Cardiol.* 2012 Aug;25(4):364-74. doi: 10.1111/j.1540-8183.2012.00729.x. Epub 2012 May 25. PMID: 22624865.

46: Burdumy M, Luik A, Neher P, Hanna R, Krueger MW, Schilling C, Barschdorf H, Lorenz C, Seemann G, Schmitt C, Doessel O, Weber FM. Comparing measured and simulated wave directions in the left atrium - a workflow for model personalization and validation. *Biomed Tech (Berl).* 2012 Feb 22;57(2):79-87. doi: 10.1515/bmt-2011-0059. PMID: 22505490.

47: Weber FM, Luik A, Schilling C, Seemann G, Krueger MW, Lorenz C, Schmitt C, Dössel O. Conduction velocity restitution of the human atrium--an efficient measurement protocol for clinical electrophysiological studies. *IEEE Trans Biomed Eng.* 2011 Sep;58(9):2648-55. doi: 10.1109/TBME.2011.2160453. Epub 2011 Jun 23. PMID: 21708491.

48: Deisenhofer I, Zrenner B, Yin YH, Pitschner HF, Kuniss M, Grossmann G,

Stiller S, Luik A, Veltmann C, Frank J, Linner J, Estner HL, Pflaumer A, Wu J, von Bary C, Ucer E, Reents T, Tzeis S, Fichtner S, Kathan S, Karch MR, Jilek C, Ammar S, Kolb C, Liu ZC, Haller B, Schmitt C, Hessling G. Cryoablation versus radiofrequency energy for the ablation of atrioventricular nodal reentrant tachycardia (the CYRANO Study): results from a large multicenter prospective randomized trial. *Circulation*. 2010 Nov 30;122(22):2239-45. doi: 10.1161/CIRCULATIONAHA.110.970350. Epub 2010 Nov 15. PMID: 21098435.

49: Weber FM, Schilling C, Seemann G, Luik A, Schmitt C, Lorenz C, Dössel O. Wave-direction and conduction-velocity analysis from intracardiac electrograms--a single-shot technique. *IEEE Trans Biomed Eng*. 2010 Oct;57(10):2394-401. doi: 10.1109/TBME.2010.2055056. Epub 2010 Jun 28. PMID: 20595079.

50: Luik A, Merkel M, Hoeren D, Riexinger T, Kieser M, Schmitt C. Rationale and design of the FreezeAF trial: a randomized controlled noninferiority trial comparing isolation of the pulmonary veins with the cryoballoon catheter versus open irrigated radiofrequency ablation in patients with paroxysmal atrial fibrillation. *Am Heart J*. 2010 Apr;159(4):555-560.e1. doi: 10.1016/j.ahj.2010.01.008. PMID: 20362712.

51: Tzeis S, Luik A, Jilek C, Schmitt C, Estner HL, Wu J, Reents T, Fichtner S, Kolb C, Karch MR, Hessling G, Deisenhofer I. The modified anterior line: an alternative linear lesion in perimitral flutter. *J Cardiovasc Electrophysiol*. 2010 Jun 1;21(6):665-70. doi: 10.1111/j.1540-8167.2009.01681.x. Epub 2009 Dec 28. PMID: 20050958.

52: Luik A, Merkel M, Riexinger T, Wondraschek R, Schmitt C. Persistent atrial fibrillation converts to common type atrial flutter during CFAE ablation. *Pacing Clin Electrophysiol*. 2010 Mar;33(3):304-8. doi: 10.1111/j.1540-8159.2009.02643.x. Epub 2009 Dec 16. PMID: 20025707.

53: Wu J, Estner H, Luik A, Ucer E, Reents T, Pflaumer A, Zrenner B, Hessling G,

Deisenhofer I. Automatic 3D mapping of complex fractionated atrial electrograms (CFAE) in patients with paroxysmal and persistent atrial fibrillation. *J*

*Cardiovasc Electrophysiol.* 2008 Sep;19(9):897-903. doi:

10.1111/j.1540-8167.2008.01145.x. Epub 2008 Mar 28. PMID: 18373666.

54: Estner HL, Hessling G, Ndrepepa G, Luik A, Schmitt C, Konietzko A, Ucer E, Wu J, Kolb C, Pflaumer A, Zrenner B, Deisenhofer I. Acute effects and long-term outcome of pulmonary vein isolation in combination with electrogram-guided substrate ablation for persistent atrial fibrillation. *Am J Cardiol.* 2008 Feb 1;101(3):332-7. doi: 10.1016/j.amjcard.2007.08.053. Epub 2007 Dec 20. PMID: 18237595.

55: Schmitt C, Estner H, Hecher B, Luik A, Kolb C, Karch M, Ndrepepa G, Zrenner B, Hessling G, Deisenhofer I. Radiofrequency ablation of complex fractionated atrial electrograms (CFAE): preferential sites of acute termination and regularization in paroxysmal and persistent atrial fibrillation. *J Cardiovasc Electrophysiol.* 2007 Sep;18(10):1039-46. doi: 10.1111/j.1540-8167.2007.00930.x. Epub 2007 Aug 16. PMID: 17711435.

56: Kolb C, Luik A, Hessling G, Zrenner B. Magnetic catheter navigation system interference with a dual-chamber pacemaker. *J Cardiovasc Electrophysiol.* 2007 Aug;18(8):892-3. doi: 10.1111/j.1540-8167.2007.00824.x. Epub 2007 May 3. PMID: 17488267.

57: Pflaumer A, Hessling G, Luik A, Wu J, Zrenner B. Remote magnetic catheter mapping and ablation of permanent junctional reciprocating tachycardia in a seven-year-old child. *J Cardiovasc Electrophysiol.* 2007 Aug;18(8):882-5. doi: 10.1111/j.1540-8167.2007.00778.x. Epub 2007 Feb 28. PMID: 17331103.

58: Estner HL, Deisenhofer I, Luik A, Ndrepepa G, von Bary C, Zrenner B, Schmitt C. Electrical isolation of pulmonary veins in patients with atrial fibrillation: reduction of fluoroscopy exposure and procedure duration by the use of a non-

fluoroscopic navigation system (NavX). *Europace*. 2006 Aug;8(8):583-7. doi: 10.1093/europace/eul079. Epub 2006 Jul 10. PMID: 16831837.

59: Luik A, Deisenhofer I, Estner H, Ndrepepa G, Pflaumer A, Zrenner B, Schmitt C. Atresia of the coronary sinus in patients with supraventricular tachycardia. *Pacing Clin Electrophysiol*. 2006 Feb;29(2):171-4. doi: 10.1111/j.1540-8159.2006.00312.x. PMID: 16492303.

60: Luik A, Knapp S, Thursz M, Thomas HC, Schlaak JF. Autoregulatory role of interleukin-10 in hepatitis C patients treated with IFN-alpha. *J Interferon Cytokine Res*. 2004 Oct;24(10):585-93. doi: 10.1089/jir.2004.24.585. PMID: 15626155.