

Publikations-Verzeichnis

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Zeitschriftenartikel

1. Klampfleitner S, Mundel M, Schinke K, Neuberger HR. Performance of an implantable cardioverter-defibrillator lead family. *J Cardiovasc Electrophysiol.* 2023 Jan 14. doi: 10.1111/jce.15804. Online ahead of print.
2. Etgen T, Neuberger HR. [Reflex syncope-or more? : Ictal asystole!]. *Inn Med (Heidelberg).* 2022 Oct;63(10):1085-1091.
3. Eckardt L, Doldi F, Busch S, Duncker D, Estner H, Kuniss M, Metzner A, Meyer C, Neuberger HR, Tilz R, Voss F, Steven D, Sommer P. 10-year follow-up of interventional electrophysiology: updated German survey during the COVID-19 pandemic. *Clin Res Cardiol.* 2022 Sep 6:1-11
4. Busch S, Eckardt L, Sommer P, Meyer C, Bonnemeier H, Thomas D, Neuberger HR, Tilz RR, Steven D, von Bary C, Kuniss M, Voss F, Estner HL. [Premature ventricular contractions and tachycardia in a structurally normal heart : Idiopathic PVC and VT]. *Herzschriftmacherther Elektrophysiol.* 2019 Jun;30(2):212-224
5. Eckardt L, Frommeyer G, Sommer P, Steven D, Deneke T, Estner HL, Kriatselis C, Kuniss M, Busch S, Tilz RR, Bonnemeier H, von Bary C, Voss F, Meyer C, Thomas D, Neuberger HR. Updated Survey on Interventional Electrophysiology: 5-Year Follow-Up of Infrastructure, Procedures, and Training Positions in Germany. *JACC Clin Electrophysiol.* 2018 Jun;4(6):820-827.
6. Voss F, Eckardt L, Busch S, Estner HL, Steven D, Sommer P, von Bary C, Neuberger HR. [AV-reentrant tachycardia and Wolff-Parkinson-White syndrome: Diagnosis and treatment]. *Herzschriftmacherther Elektrophysiol.* 2016;27(4):381-389.
7. Reil JC, Tauchnitz M, Tian Q, Hohl M, Linz D, Oberhofer M, Kaestner L, Reil GH, Thiele H, Steendijk P, Böhm M, Neuberger HR*, Lipp P*. Hyperaldosteronism induces left atrial systolic and diastolic dysfunction. *Am J Physiol Heart Circ Physiol.* 2016;311(4):H1014-H1023. * Geteilte Letztautorenschaft
8. Linz D, Hohl M, Khoshkish S, Mahfoud F, Ukena C, Neuberger HR, Wirth K, Böhm M. Low-Level But Not High-Level Baroreceptor Stimulation Inhibits Atrial Fibrillation in a Pig Model of Sleep Apnea. *J Cardiovasc Electrophysiol.* 2016;27(9):1086-92.
9. Thomas D, Eckardt L, Estner HL, Kuniss M, Meyer C, Neuberger HR, Sommer P, Steven D, Voss F, Bonnemeier H. [Typical atrial flutter: Diagnosis and therapy]. *Herzschriftmacherther Elektrophysiol.* 2016;27(1):46-56.
10. 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 nodal reentrant tachycardia. Diagnosis and therapy]. *Herzschriftmacherther Elektrophysiol.* 2015;26(4):351-8.
11. Steven D, Bonnemeier H, Deneke T, Estner HL, Kriatselis C, Kuniss M, Luik A, Neuberger HR, Shin DI, Sommer P, Tilz RR, Thomas D, von Bary C, Voss F, Eckardt L. [How to approach the patient with supraventricular tachycardia in the EP lab: A systematic overview]. *Herzschriftmacherther Elektrophysiol.* 2015;26(2):167-72.

12. Linz D, Hohl M, Ukena C, Mahfoud F, Wirth K, Neuberger HR, Böhm M. Obstructive respiratory events and premature atrial contractions after cardioversion. *Eur Respir J*. 2015;45(5):1332-40.
13. Linz D, van Hunnik A, Hohl M, Mahfoud F, Wolf M, Neuberger HR, Casadei B, Reilly SN, Verheule S, Böhm M, Schotten U. Catheter-based renal denervation reduces atrial nerve sprouting and complexity of atrial fibrillation in goats. *Circ Arrhythm Electrophysiol*. 2015;8(2):466-74.
14. Linz D, van Hunnik A, Ukena C, Ewen S, Mahfoud F, Schirmer SH, Lenski M, Neuberger HR, Schotten U, Böhm M. Renal denervation: effects on atrial electrophysiology and arrhythmias. *Clin Res Cardiol* 2014;103(10):765-74.
15. Linz D, Ukena C, Mahfoud F, Neuberger HR, Böhm M. Atrial autonomic innervation: a target for interventional antiarrhythmic therapy? *J Am Coll Cardiol* 2014;63(3):215-224.
16. Linz D, Neuberger HR. Does renal denervation target the substrate or the trigger for ventricular arrhythmias? *J Cardiovasc Electrophysiol* 2013;24(12):E20.
17. Linz D, Ukena C, Neuberger HR. Treatment of obstructive sleep apnoea improves metabolic conditions and prevents initiation of antiarrhythmic therapy in a patient with atrial fibrillation. *Europace* 2014;16:245.
18. Lee IO, Ukena C, Böhm M, Buob A, Neuberger HR. Underdetection of ventricular tachycardia by an implantable cardioverter-defibrillator due to a locally prolonged arrhythmia cycle length. *Clin Res Cardiol* 2013;102:923-925.
19. Linz D, Wirth K, Ukena C, Mahfoud F, Poss J, Linz B, Böhm M, Neuberger HR. Renal Denervation Suppresses Ventricular Arrhythmias During Acute Ventricular Ischemia in Pigs. *Heart Rhythm* 2013;10:1525-1530.
20. Ukena C, Mahfoud F, Linz D, Böhm M, Neuberger HR. Potential role of renal sympathetic denervation for the treatment of cardiac arrhythmias. *EuroIntervention* 2013;9 Suppl R:R110-R116.
21. 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;15:1741-1746.
22. Linz D, Mahfoud F, Schotten U, Ukena C, Neuberger HR, Wirth K, Böhm M. Effects of Electrical Stimulation of Carotid Baroreflex and Renal Denervation on Atrial Electrophysiology. *J Cardiovasc Electrophysiol* 2013;24:1028-1033.
23. Oberhofer M, Tian Q, Ruppenthal S, Wegener S, Reil JC, Korbel C, Hammer K, Menger M, Neuberger HR, Kaestner L, Lipp P. Calcium dysregulation in ventricular myocytes from mice expressing constitutively active Rac1. *Cell Calcium* 2013;54:26-36.
24. Linz D, Mahfoud F, Schotten U, Ukena C, Hohl M, Neuberger HR, Wirth K, Böhm M. Renal sympathetic denervation provides ventricular rate control but does not prevent atrial electrical remodeling during atrial fibrillation. *Hypertension* 2013;61:225-231.
25. Reil JC, Hohl M, Reil GH, Granzier HL, Kratz MT, Kazakov A, Fries P, Muller A, Lenski M, Custodis F, Graber S, Frohlig G, Steendijk P, Neuberger HR*, Böhm M*. Heart rate reduction by If-inhibition improves vascular stiffness and left ventricular systolic and diastolic function in a mouse model of heart failure with preserved ejection fraction. *Eur Heart J* 2013;34:2839-2849. *Equal contribution
26. Linz D, Neuberger HR. Chronic kidney disease and atrial fibrillation. *Heart Rhythm* 2012;9:2032-2033. (Editorial)
27. Ukena C, Mahfoud F, Spies A, Kindermann I, Linz D, Cremers B, Laufs U, Neuberger HR, Böhm M. Effects of renal sympathetic denervation on heart rate and atrioventricular conduction in patients with resistant hypertension. *Int J Cardiol* 2013;167:2846-51.

28. Linz D, Mahfoud F, Schotten U, Ukena C, Neuberger HR, Wirth K, Böhm M. Renal sympathetic denervation suppresses postapneic blood pressure rises and atrial fibrillation in a model for sleep apnea. *Hypertension* 2012;60:172-178.
29. Adam O, Ukena C, Böhm M, Neuberger HR. Bidirectional ventricular tachycardia in a patient with exacerbation of chronic obstructive pulmonary disease. *Clin Res Cardiol* 2012;101:851-852.
30. Neuberger HR, Cacciatore A, Reil JC, Graber S, Schafers HJ, Ukena C, Böhm M, Mewis C. Procollagen propeptides: serum markers for atrial fibrosis? *Clin Res Cardiol* 2012;101:655-661.
31. Linz D, Neuberger HR. Obstructive sleep apnea: the suffocated atrium? *Heart Rhythm* 2012;9:328-329. (Editorial)
32. Ukena CV, Neuberger HR, Böhm M. [Atrial fibrillation--a complication in hypertension]. *MMW Fortschr Med* 2011;153:47-48.
33. Ukena C, Mahfoud F, Buob A, Böhm M, Neuberger HR. ST-elevation during biventricular pacing. *Europace* 2012;14:609-611.
34. Ukena C, Bauer A, Mahfoud F, Schreieck J, Neuberger HR, Eick C, Sobotka PA, Gawaz M, Böhm M. Renal sympathetic denervation for treatment of electrical storm: first-in-man experience. *Clin Res Cardiol* 2012;101:63-67.
35. Reil JC, Hohl M, Selejan S, Lipp P, Drautz F, Kazakov A, Münz B, Müller P, Steendijk P, Allessie MA, Böhm M, Neuberger HR. Aldosterone promotes atrial fibrillation. *Eur Heart J* 2012;33:2098-108.
36. Ukena C, Neuberger HR, Böhm M. Komplikation der Hypertonie : Vorhofflimmern. *MMW Fortschr Med*. 2011;153(41):47-9.
37. Linz D, Schotten U, Neuberger HR, Böhm M, Wirth K. Combined blockade of early and late activated atrial potassium currents suppresses atrial fibrillation in a pig model of obstructive apnea. *Heart Rhythm* 2011;8:1933-1939.
38. Linz D, Schotten U, Neuberger HR, Böhm M, Wirth K. Negative Tracheal Pressure During Obstructive Respiratory Events Promotes Atrial Fibrillation by Vagal Activation. *Heart Rhythm* 2011;8:1436-43
39. Ukena C, Mahfoud F, Neuberger HR, Böhm M. Variability of ventricular repolarization during hypoglycemia. *Int J Cardiol* 2011;149:285-286.
40. Schirmer SH, Baumhäkel M, Neuberger HR, Hohnloser SH, Van Gelder IC, Lip GY, Böhm M. Novel anticoagulants for stroke prevention in atrial fibrillation: Current clinical evidence and future developments. *J Am Coll Cardiol* 2010;56:2067-2076.
41. Reil JC, Hohl M, Oberhofer M, Kazakov A, Kaestner L, Mueller P, Adam O, Maack C, Lipp P, Mewis C, Allessie M, Laufs U, Böhm M, Neuberger HR. Cardiac Rac1 overexpression in mice creates a substrate for atrial arrhythmias characterized by structural remodelling. *Cardiovasc Res* 2010;87:485-493.
42. Mewis C, Neuberger HR, Buob A. Ist die intraoperative ICD-Testung noch nötig? *Herzschriftmacherther Elektrophysiol* 2010;21:123-128.
43. Thoenes M*, Neuberger HR*, Volpe M, Khan BV, Kirch W, Böhm M. Antihypertensive drug therapy and blood pressure control in men and women – An international perspective. *J Hum Hypertens* 2010;24:336-344. * Geteilte Erstautorenschaft
44. Smit MD, Van Gelder IC, Böhm M, Neuberger HR, Van Veldhuisen DJ. Should aldosterone blockade be used beyond current indications in heart failure? *Curr Heart Fail Rep* 2009;6:117-125.

45. Böhm M*, Thoenes M*, Neuberger HR*, Gräber S, Reil JC, Bramlage P, Volpe M. Atrial fibrillation and heart rate independently correlate to microalbuminuria in hypertensive patients. *Eur Heart J* 2009;30:1364-1371.* Geteilte Erstautorenschaft
46. Greiser M*, Neuberger HR*, Harks E, El-Armouche A, Boknik P, de Haan S, Verheyen F, Verheule S, Schmitz W, Ravens U, Nattel S, Allessie MA, Dobrev D, Schotten U. Distinct contractile and molecular differences between two goat models of atrial dysfunction: AV block-induced atrial dilatation and atrial fibrillation. *J Mol Cell Cardiol* 2009;46:385-94.
* Geteilte Erstautorenschaft
47. Neuberger HR, Reil JC, Adam O, Laufs U, Mewis C, Böhm M. Atrial Fibrillation in Heart Failure: Current Treatment of Patients With Remodeled Atria. *Curr Heart Fail Rep* 2008;5:219-25. (Invited review)
48. Adam O, Neuberger HR, Böhm M, Laufs U. Prevention of atrial fibrillation with 3-hydroxy-3-methylglutaryl coenzyme A reductase inhibitors. *Circulation* 2008;118:1285-1293.
49. Buob A, Neuberger HR, Böhm M, Mewis C. Notfälle bei Patienten mit Herzschrittmachern oder implantierten Defibrillatoren. *Dtsch Med Wochenschr* 2008;133:1253-1258.
50. Neuberger HR, Buob A, Böhm M, Mewis C. Rhythmologische Notfälle. *Dtsch Med Wochenschr* 2008;133:659-668. (Invited review)
51. Neuberger HR, Mewis C, van Veldhuisen DJ, Schotten U, van Gelder IC, Allessie MA, Böhm M. Management of atrial fibrillation in patients with heart failure. *Eur Heart J*. 2007;28:2568-2577
52. Blaauw Y, Schotten U, van Hunnik A, Neuberger HR, Allessie MA. Cardioversion of persistent atrial fibrillation by a combination of atrial specific and non-specific class III drugs in the goat. *Cardiovasc Res*. 2007;75:89-98.
53. Mewis C, Neuberger HR, Böhm M. Vorhofflimmern. *Dtsch Med Wochenschr*. 2006;131:2843-2854.
54. Buob A, Jung J, Siaplaouras S, Neuberger HR, Mewis C. Discordant regulation of CRP and NT-proBNP plasma levels after electrical cardioversion of persistent atrial fibrillation. *Pacing Clin Electrophysiol* 2006;29:559-563.
55. Siaplaouras S, Buob A, Neuberger HR, Mewis C. Remote detection of incessant slow VT with an ICD capable of home monitoring. *Europace* 2006;
56. Neuberger HR, Böhm M, Mewis C. Sleep apnea and heart disease. (Letter). *N Engl J Med*. 2006;354:1086.
57. Neuberger HR, Schotten U, Blaauw Y, Vollmann D, Eijsbouts S, van Hunnik A, Allessie M. Chronic Atrial Dilatation, Electrical Remodeling and Atrial Fibrillation in the Goat. *J Am Coll Cardiol*. 2006; 47:644-653.
58. Neuberger HR, Schotten U, Verheule S, Eijsbouts S, Blaauw Y, van Hunnik A, Allessie M. Development of a substrate of atrial fibrillation during chronic atrioventricular block in the goat. *Circulation*. 2005;111:30-37.
59. Vollmann D, Blaauw Y, Neuberger HR, Schotten U, Allessie M. Long-term changes in sequence of atrial activation and refractory periods: No evidence for "atrial memory". *Heart Rhythm* 2005;2:155-161.
60. Siaplaouras S, Buob A, Neuberger HR, Mewis C. Narrow QRS tachycardia with 1:1 VA conduction and irregular cycle length: what is the mechanism? *J Cardiovasc Electrophysiol* 2005;16:352-353
61. Schotten U, de Haan S, Neuberger HR, Eijsbouts S, Blaauw Y, Tielemans R, Allessie M. Loss of atrial contractility is primary cause of atrial dilatation during first days of atrial fibrillation. *Am J Physiol Heart Circ Physiol*. 2004;287:H2324-H2331.

62. Schotten U, Duytschaever M, Ausma J, Eijsbouts S, Neuberger HR, Allessie M. Electrical and contractile remodeling during the first days of atrial fibrillation go hand in hand. *Circulation*. 2003;107:1433-1439.
63. Schotten U, Neuberger HR, Allessie MA. The role of atrial dilatation in the domestication of atrial fibrillation. *Prog Biophys Mol Biol*. 2003;82:151-162.
64. Kühlkamp V, Mewis C, Neuberger HR, Bosch R, Seipel L. [Ablation of atrial extrasystoles and atrial fibrillation]. *Herz*. 2001;26:291-294.
65. Neuberger HR, Mewis C, Bosch RF, Gass M, Kühlkamp V. Atrial tachycardia, atrial flutter, atrial fibrillation: curative therapy by focal ablation in a pulmonary vein. *Z Kardiol*. 2001;90:661-664.
66. Neuberger HR, Mewis C, Dörnberger V, Bosch RF, Kühlkamp V. Implantation of a dual chamber pacemaker defibrillator in a patient with hypertrophic obstructive cardiomyopathy. *Z Kardiol*. 1999;88:521-525.
67. Roggenkamp A, Neuberger HR, Flügel A, Schmoll T, Heesemann J. Substitution of two histidine residues in YadA protein of *Yersinia enterocolitica* abrogates collagen binding, cell adherence and mouse virulence. *Mol Microbiol*. 1995;16:1207-1219.

Habilitation

Neuberger HR. Strukturelles Remodeling der Herzvorhöfe: Folgen für die atriale Elektrophysiologie und Funktion, Homburg 2011

Dissertationen

Neuberger HR. The effects of chronic atrial dilatation on atrial electrophysiology and contractility. PhD-Thesis, Maastricht 2006.

Neuberger HR. Charakterisierung der Kollagen bindenden Domäne des Yersinia-Adhäsin YadA. Dissertation, Würzburg 1996

Buchartikel

Allessie M, Houben R, Neuberger HR. Diagnosis of the electropathological substrate of atrial fibrillation. In: Atrial fibrillation and heart failure: The ugly and the nasty. Ed: A. Capucci, CEPI-AIM group, 2005.