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- 2013 bis 2017 Oberarzt und Leiter der Rhythmologie in der Medizinischen Klinik I, Justus-Liebig Universität Gießen
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Publikationsverzeichnis von Priv.-Doz. Dr. med. D. Erkapic

Originalarbeiten

1. Weipert KF, Bogossian H, Conzen P, Frommeyer G, Gemein C, Helmig I, Chasan R, Eckardt L, Lemke B, Hamm CW, Schmitt J, **Erkapic D.** Application of the Bogossian formula for evaluation of the QT interval in pacemaker patients with stimulated left bundle branch block. Clinical Research in Cardiology 2018, accepted, in press. DOI: 10.1007/s00392-018-1275-6.
2. Gemein C, Roos M, Wolf A, Hermann N, Kelava A, Chasan A, Weipert K, Helmig I, Bogossian H, Hamm CW, Neumann T, Schmitt J, **Erkapic D.** Tilt Testing and What You Should Know About it: experience with 835 consecutive patients with syncope of unknown origin. International Journal of Cardiology 2018; 258: 90-96.
3. Frommeyer G, Bogossian H, Pechlivanidou E, Conzen P, Gemein C, Weipert K, Helmig I, Chasan R, Johnson V, Eckardt L, Hamm CW, Seyfarth M, Lemke B, Zarse M, Schmitt J, **Erkapic D.** Applicability of a Novel Formula (Bogossian formula) for Evaluation of the QT-Interval in Heart Failure and Left Bundle Branch Block Due to Right Ventricular Pacing. Pacing Clin Electrophysiol. 2017; 40(4):409-416.
4. **Erkapic D**, Greiss H, Pajitnev D, Zaltsberg S, Deubner N, Berkowitsch A, Möllman S, Sperzel J, Rolf A, Schmitt J, Hamm CW, Kuniss M, Neumann T. Clinical impact of a novel three-dimensional electrocardiographic imaging for non-invasive mapping of ventricular arrhythmias - a prospective randomized trial. Europace 2015; 17: 591-598.
5. **Erkapic D**, Sperzel J, Stiller S, Meltendorf U, Mermi J, Wegscheider K, Hügl B; for the INSURE Investigators. Long-term benefit of implantable cardioverter/defibrillator therapy after elective device replacement: results of the INcidence free SUrvival after ICD REplacement (INSURE) trial - a prospective multicentre study. Eur Heart J 2013; 34: 130-137.

6. **Erkacic D**, De Rosa S, Kelava T, Lehmann R, Fichtlscherer S, Hohnloser SH. Risk for permanent pacemaker requirement after transcatheter aortic valve implantation – A comprehensive analysis of the literature. *Journal of Cardiovasc Electrophysiol* 2012; 23: 391-397.
7. **Erkacic D**, Duray GZ, Bauernfeind T, Rosa SD, Hohnloser SH. Insulation defects of thin high-voltage ICD leads: an underestimated problem? *Journal of Cardiovasc Electrophysiol* 2011; 22: 1018-1022.
8. **Erkacic D**, Kim W, Weber M, Möllmann H, Berkowitsch A, Zaltsberg S, Pajitnev D, Rixe J, Neumann T, Kuniss M, Sperzel J, Hamm CW, Pitschner HF. Electrocardiographic and further predictors for permanent pacemaker requirement after transcatheter aortic valve implantation. *Europace* 2010; 12: 1188-1190.
9. Jenewein T, Neumann T, **Erkacic D**, Kuniss M, Verhoff MA, Thiel G, Kauferstein S. Influence of genetic modifiers on sudden cardiac death cases. *International Journal of legal medicine* 2018; 132(2): 379-385.
10. Kauferstein S, Herz N, Scheiper S, Biel S, Jenewein T, Kunis M, **Erkacic D**, Beckmann BM, Neumann T. Relevance of molecular testing in patients with a family history of sudden death. *Forensic Sci Int.* 2017 Jul;276:18-23
11. Schmitt J, Abaci G, Johnson V, **Erkacic D**, Gemein C, Chasan R, Weipert K, Hamm CW, Klein HU. Safety of the Wearable Cardioverter Defibrillator (WCD) in Patients with Implanted Pacemakers. *Pacing Clin Electrophysiol.* 2017; 40(3): 271-277.
12. Hocini M, Shah AJ, Neumann T, Kuniss M, **Erkacic D**, Chaumeil A, Copley SJ, Lim PB, Kanagaratnam P, Denis A, Derval N, Dubois R, Cochet H, Jais P, Haissaguerre M. Focal arrhythmia ablation determined by high resolution non-invasive maps: multicenter feasibility

study. J Cardiovasc Electrophysiol 2015. doi: 10.1111/jce.12700. [Epub ahead of print]

13. Bandorski D, **Erkabic D**, Stempf J, Höltgen R, Schmitt J, Chasan R, Grimmiger J, Hamm CW, Seeger W, Ghofrani A, Tiede H. Ventricular tachycardias in patients with pulmonary hypertension: an underestimated prevalence? – A prospective clinical study. Herzschrittmacherther Elektrophysiol 2015.
14. Bandorski D, Schmitt J, Kurzlechner C, **Erkabic D**, Hamm CW, Seeger W, Ghofrani A, Höltgen R, Gall H. Electrophysiological studies in patients with pulmonary hypertension: a retrospective investigation. Biomed Res Int 2014; doi: 10.1155/2014/617565.
15. Wójcik M, **Erkabic D**, Berkowitsch A, Zaltsberg S, Greiss H, Schmitt J, Pajitnev D, Lehinant S, Rixe J, Hamm CW, Pitschner HF, Kuniss M, Neumann T. Ipsilateral circumferential radiofrequency ablation of atrial fibrillation with irrigated tip catheter: long-term outcome and pre-procedural predictors. Circ J 2013; 77: 2280-2287.
16. Kauferstein S, Kiehne N, Jenewein T, Biel S, Kopp M, König R, **Erkabic D**, Rothschild M, Neumann T. Genetic analysis of sudden unexplained death: a multidisciplinary approach. Forensic Sci Int 2013; 229: 122-127.
17. Neumann T, Wójcik M, Berkowitsch A, **Erkabic D**, Zaltsberg S, Greiss H, Pajitnev D, Lehinant S, Schmitt J, Hamm CW, Pitschner HF, Kuniss M. Cryoballoon ablation of paroxysmal atrial fibrillation: 5-year outcome after single procedure and predictors of success. Europace 2013; 15: 1143-1149.
18. Berkowitsch A, Kuniss M, Greiss H, Wójcik M, Zaltsberg S, Lehinant S, **Erkabic D**, Pajitnev D, Pitschner HF, Hamm CW, Neumann T. Impact of impaired renal function and metabolic syndrome on the recurrence of atrial fibrillation after catheter ablation: a long term follow-up.

Pacing Clin Electrophysiol 2012; 35: 532-543.

19. Wójcik M, Janin S, Neumann T, Kuniss M, Berkowitsch A, **Erkabic D**, Zaltsberg S, Madlener K, Wysokinski A, Hamm CW, Pitschner HF. Which standard biomarkers are useful for the evaluation of myocardial injury after pulmonary vein isolation with cryoballoon? Kardiol Pol 2011; 69: 1151-1155.
20. Wojcik M, Janin S, Kuniss M, Berkowitsch A, **Erkabic D**, Zaltsberg S, Madlener K, Wysocki A, Hamm CW, Pitschner HF, Neumann T. Limitations of biomarkers serum levels during pulmonary vein isolation. Rev Esp Cardiol 2011; 64: 127-132.
21. Neumann T, Kuniss M, Conradi G, Janin S, Berkowitsch A, Wojcik M, Rixe J, **Erkabic D**, Zaltsberg S, Rolf A, Bachmann G, Dill T, Hamm CW, Pitschner HF. MEDAFI-Trial (Micro-embo- lization during ablation of atrial fibrillation): comparison of pulmonary vein isolation using cryo- balloon technique vs. radiofrequency energy. Europace 2010; 13: 37-44.
22. Janin S, Wojcik M, Kuniss M, Berkowitsch A, **Erkabic D**, Zaltsberg S, Ecarnot F, Hamm CW, Pitschner HF, Neumann T. Pulmonary vein antrum isolation and terminal part of the P wave. Pacing Clin Electrophysiol 2010; 33: 784-789.
23. Neumann T, Kuniss M, **Erkabic D**, Zaltsberg S, Berkowitsch A, Pajitnev D, Wojcik M, Janin S, Hamm CW, Pitschner HF. Acute and long-term results of PVI at antrum using a novel high-density mapping catheter without help of 3D electro-anatomic mapping in patients with paroxysmal and chronic atrial fibrillation. J Interv Card Electrophysiol 2010; 27: 101-108.
24. Neumann T, Kuniss M, Conradi G, Sperzel J, Berkowitsch A, Zaltsberg S, Wojcik M, **Erka- bic D**, Dill T, Hamm CW, Pitschner HF. Pulmonary vein stenting for the treatment of acquired severe pulmonary vein stenosis after pulmonary vein isolation: Clinical implications after long-

term follow-up of 4 years. J Cardiovasc Electrophysiol 2009; 20: 251-257.

25. Mohrs OK, Petersen SE, **Erkabic D**, Victor A, Schlosser T, Nowak B, Kauczor HU, Voigtlaender T. Dynamic contrast-enhanced magnetic resonance imaging before and after trans-catheter occlusion of a patent foramen ovale. American Journal of Roentgenology 2007; 188: 844-849.
26. Mohrs OK, Petersen SE, **Erkabic D**, Rubel C, Schraeder R, Nowak B, Fach WA, Kauczor HU, Voigtlaender T. Diagnosis of patent foramen ovale using contrast-enhanced MRI - a pilot study. American Journal of Roentgenology 2005; 184: 234-240.

Reviews

1. **Erkabic D**, Neumann T. Ablation of premature ventricular complexes exclusively guided by three-dimensional noninvasive Mapping. Card Electrophysiol Clin 2015; 7: 109-115.
2. Weipert KF, **Erkabic D**, Schmitt J. Rate and rhythm control in atrial fibrillation: pharmacological approaches. Herz 2015; 40: 16-24.
3. Bauernfeind T, **Erkabic D**, Hohnloser SH. Innovative pharmacological approaches to managing atrial fibrillation: the importance of reducing cardiovascular hospitalizations. Innovations in cardiac rhythm management 2011; 2: 173-177
4. **Erkabic D**, Pitschner HF. Complications after ablation of supraventricular tachycardias. Herzschriftmacherther Elektrophysiol 2008; 19: 33-37.

Case Reports

1. Weipert KF, Andrick J, Chasan R, Gemein C, Most A, Hamm CW, **Erkapic D**, Schmitt J. Baroreceptor stimulation in a patient with preexisting subcutaneous implantable cardioverter defibrillator. *Pacing Clin Electrophysiol.* 2018; 41:90-92.
2. Boeder NF, Schmitt J, **Erkapic D**, Rixe J, Nef HM. Trapped cardioverter-defibrillator lead after interventional closure of an iatrogenic atrial septal defect after catheter-based mitral valve repair with the MitraClip® system. *Int J Cardiol* 2015; 184: 412-413.
3. Kauferstein S, Kiehne N, **Erkapic D**, Schmidt J, Hamm CW, Bratzke H, Pitschner HF, Kuniss M, Neumann T. A novel mutation in the cardiac ryanodine receptor gene (RyR2) in a patient with an unequivocal LQTS. *Int J Cardiol* 2011; 146: 249-250.
4. **Erkapic D**, Amberger F, Bushoven P, Ehrlich J. More Safety with more Energy – Survived electrical storm with 40J shocks. *Herzschriftmacherther Elektrophysiol* 2011; 22: 252-254.
5. **Erkapic D**, Rixe J, Strunk J, Hamm CW, Dill T. Acute aortitis with spinal artery aneurysms detected by contrast enhanced magnetic resonance imaging. *Clinical Research in Cardiology* 2009; 98: 59-61.
6. **Erkapic D**, Neumann T, Schmitt J, Sperzel J, Berkowitsch A, Kuniss M, Hamm CW, Pitschner HF. Electrical storm in a patient with arrhythmogenic right ventricular cardiomyopathy (ARVC) and SCN5A mutation. *Europace* 2008; 10: 884-887.

Buchherausgabe/Beiträge

1. **Erkapic D** (Editor). Book: Cardiac Defibrillation; InTech, 01/2013; 1-178. ISBN 978-953-51-0931-0.
2. **Erkapic D**, Bauernfeind T. Book: Cardiac Defibrillation, Chapter: Long-term benefit and challenges of Implantable Cardioverter Defibrillator therapy. InTech, 01/2013; 79-92. ISBN 978-953-51-0931-0.
3. Pitschner HF, **Erkapic D**. Book: Cryoablation of Cardiac Arrhythmias, Chapter: Cryocatheter Ablation of Ventricular Tachycardia, Elsevier Saunders, 01/2011; 183-190; ISBN: 978-1-4377-1615-3.

Wissenschaftliche Vorträge / Abstrats

1. Brachman J, Lewalter T, Akin I, Sievert H, Pleger T, Geist V, Zeymer U, **Erkapic D**, Mudra H, Hochadel M, Senges J. Interventional Occlusion of Left Atrial Appendage in Patients with Atrial Fibrillation: One Year Follow-up and Clinical Outcome of Occluder Implantation in the LAARGE Registry. Clin Res Cardiol 2018; V857.
2. **Erkapic D**. Interventioneller Vorhofohrverschluss bei Hochrisiko-Patienten. Fortbildungsveranstaltung UKGM, Giessen, 15.04.2015.
3. Gemein C, Harbst R, Zink M, Bellmann B, Johnson V, **Erkapic D**, Schmitt J, Hamm CW, Schauerte P. Autonomic remodeling during atrial fibrillation and diabetes: Do high-frequency atrial heart rhythm and abnormal glucose levels alter cardiac sympathetic tone? Clin Res Cardiol 2015; V150.

4. **Erkacic D.** Device Therapie bei Herzinsuffizienz. 1. Young Clinicians Heart Failure-Board Rhein Main; Fortbildungsveranstaltung vom 04.03.2015.
5. **Erkacic D.** Herzschrittmacher „gut“ programmiert. Rhein-Main Herztage 2015; Fortbildungsveranstaltung vom 31.01.2015.
6. **Erkacic D.** Antikoagulation: Was gab es Neues 2014? Fortbildungsveranstaltung UKGM, Giessen, 10.12.2014.
7. **Erkacic D.** Update ICD- und Herzschrittmacher-Therapie. Fortbildungsveranstaltung der Deutschen Herzstiftung, Giessen, 27.11.2014.
8. **Erkacic D.** VT-Ablation – Entrainment Mapping. Interventional EP (VT)-Curriculum, CHU de Bordeaux, Bordeaux, 12.11.2014.
9. **Erkacic D.** Hämodynamik der Herzschrittmachertherapie. DGK Herzschrittmacher - Sachkundekurs in Bad Nauheim, 07.11.2014.
10. **Erkacic D.** ICD-Therapieformen. DGK ICD-Sachkundekurs in Bad Nauheim, 05.09.2014.
11. **Erkacic D.** Antikoagulation im Dialog - Arzneimittelinteraktionen mit direkten oralen Antikoagulationen. Fortbildungsveranstaltung Qualitätszirkel Wölfersheim 07.04.2014.
12. **Erkacic D.** Update zum Management von Patienten mit angeborenen Arrhythmie-Syndromen. Fortbildungsveranstaltung UKGM, Giessen, 14.05.2014.
13. **Erkacic D.** LifeVest – Der tragbare Defibrillator. Fortbildungsveranstaltung des UKGM Giessen, 02.05.2014.

14. **Erkacic D.**, Bandorski D, Stempf J, Tiede H, Chasan R, Abaci G, Gemein C, Ghofrani A, Hamm CW, Neumann T, Schmitt J. Ventricular tachycardias in patients with pulmonary hypertension: an underestimated prevalence? *Clin Res Cardiol* 2014; 103 (Suppl 1): V1205.
15. Gemein C, Hettrich M, Zink M, Bellmann B, Johnson V, Schmitt J, **Erkacic D.**, Hamm CW, Schauerte P. Autonomic remodeling during atrial fibrillation: do high-frequent and irregular atrial heart rhythm or irregular ventricular heart rhythm alter parasympathetic tone? *Clin Res Cardiol* 2014; 103 (Suppl 1): V986.
16. **Erkacic D.**. Performance der LifeVest in speziellen Situationen. Fortbildungsveranstaltung des UKGM Giessen, CCB Frankfurt und der Kerckhoff-Klinik Bad Nauheim; Alzenau 12.02.2014.
17. **Erkacic D.**. Antikoagulation: Was gab es Neues 2013? Fortbildungsveranstaltung UKGM, Giessen, 04.12.2013.
18. **Erkacic D.**. Der Schlaganfallpatient aus kardiologischer Sicht. Welche Therapie für welchen Patienten? Interdisziplinäres Forum Kardiologie / Neurologie / Hämostaseologie. Fortbildungsveranstaltung UKGM, Giessen, 23.11.2013.
19. **Erkacic D.**. Neue Devices in der Herzinsuffizienztherapie, CRT und darüber hinaus. Fortbildungsveranstaltung UKGM, Giessen, 23.10.2013.
20. **Erkacic D.**. Aktuelles perioperatives und periinterventionelles Management bei Antikoagulation: Bridging oder Nicht? Fortbildungsveranstaltung UKGM, Giessen, 24.04.2013.
21. **Erkacic D.**. Anticoagulation management in atrial fibrillation ablation. Interventional EP-(AF) Curriculum, St. Thomas Hospital, London, 06.12.2012.

22. **Erkacic D.** Neuerungen aus dem Konsensus Report 2012 zur Katheterablation von Vorhofflimmern. Fortbildungsveranstaltung UKGM, Giessen, 31.10.2012.
23. **Erkacic D.** Antikoagulation nach Katheterablation: Antikoagulation kann bei einem CHA2DS2Vasc-Score von 2 nach erfolgreicher Ablation abgesetzt werden (Pro): Pro/Contra Diskussion. Fortbildungsveranstaltung DGK Fellowship Alumnitreffen: Hamburg 13.10.2012.
24. **Erkacic D.** Medikamentöse Therapie von ventrikulären Arrhythmien: Update 2012. Fortbildungsveranstaltung UKGM, Giessen, 06.06.2012.
25. Greiß H, Zaltsberg S, Pajitnev D, Lehinant A, Berkowitsch A, **Erkacic D.**, Schmitt J, Akkaya E, Hamm CW, Neumann T, Kuniss M. Long term effectiveness of pulmonary vein isolation using the Cryoballoon technique. Five years results after a single procedure. Clin Res Cardiol 2012; 101 (Suppl 1): V1107.
26. Schmitt J, Berkowitsch A, **Erkacic D.**, Pajitnev D, Zaltsberg S, Hamm CW, Kuniss M, Neumann T. Outcome after Re-Do procedures performed with irrigated tip catheter in patients with AF initially ablated with Cryoballoon. Clin Res Cardiol 2012; 101 (Suppl 1): V1112.
27. Berkowitsch A, Greiß H, Zaltsberg S, Pajitnev D, Akkaya E, Lehinant S, **Erkacic D.**, Schmitt J, Hamm CW, Kuniss M, Neumann T. New score for pre-ablation evaluation of the efficacy of catheter ablation of atrial fibrillation. Clin Res Cardiol 2012; 101 (Suppl 1): V1212.
28. Zaltsberg S, Lehinant SA, Greiß H, Berkowitsch D, Pajitnev D, **Erkacic D.**, Schmitt J, Akkaya E, Hamm CW, Kuniss M, Neumann T. Long term effectiveness of pulmonary vein isolation using the HD mesh mapper. Five years results after a single procedure. Clin Res Cardiol 2012; 101 (Suppl 1): V1213.

29. Berkowitsch A, Zaltsberg S, Greiß H, Pajitnev D, Akkaya E, Lehinant SA, **Erkapic D**, Schmitt J, Hamm CW, Neumann T, Kuniss M. Analysis of efficacy of pulmonary vein isolation with cryoballon and irrigated tip catheter using propensity score matching. Clin Res Cardiol 2012; 101 (Suppl 1): V1214.
30. **Erkapic D**. Moderne Schrittmachertherapie: Indikation, Nachsorge, Spezialfälle. Fortbildungsveranstaltung UKGM, Giessen, 14.12.2011.
31. **Erkapic D**, Duray GZ, Bauernfeind T, De Rosa S, Bushoven P, Ehrlich J, Hohnloser SH. High-voltage lead insulation defect at the level of the tricuspid valve – an underestimated serious ICD complication. Heart Rhythm, San Francisco 2011: AB09-6.
32. **Erkapic D**, Duray GZ, Bauernfeind T, De Rosa S, Bushoven P, Ehrlich J, Hohnloser SH. RV-lead insulation defect at the level of the tricuspid valve – an underestimated serious ICD complication. Clin Res Cardiol 2011; Supplement: V1161.
33. Bauernfeind T, **Erkapic D**, Schmitt J, Hohnloser SH, Duray GZ. Geschlechts-spezifische Unterschiede bezüglich operationspflichtiger Komplikationen bei ICD-Trägern. Clin Res Cardiol 2011; Supplement: V1530.
34. **Erkapic D**. Catheter ablation of atrial fibrillation - a survey. Vorhofflimmerakademie 2010 der J.W. Goethe Universitätsklinik Frankfurt am Main.
35. **Erkapic D**. When do we need a pacemaker or implantable cardioverter-defibrillator? DGK Herzwochen 2010. J.W. Goethe Universitätsklinik Frankfurt am Main.
36. **Erkapic D**, Stiller S, Meltendorf U, Hügl B, Mermi J, Treusch S, Contzen K, Fetsch T, Sperzel J. Do patients free of ICD therapy at first generator replacement need a second

device? Results of the INSURE study. Clin Res Cardiol 2010, Supplement: V1389.

37. Kuniss M, Neumann T, Zaltsberg S, Berkowitsch A, Pajitnev D, **Erkapic D**, Pitschner HF. Spontaneous conversion of persistent atrial fibrillation during the procedure predicts long term success after catheter ablation. Clin Res Cardiol 2010, Supplement: V278.
38. Berkowitsch A, Neumann T, Kuniss M, Zaltsberg S, **Erkapic D**, Pajitnev D, Pitschner HF. Predictors for left atrial tachycardia and AF recurrence following ablation of persistent atrial fibrillation. Clin Res Cardiol 2010, Supplement: V279.
39. Neumann T, Berkowitsch A, Kuniss M, Zaltsberg S, **Erkapic D**, Pajitnev D, Pitschner HF. Occlusion of pulmonary veins with Cryo balloon catheter as a basic prerequisite for successful PVI. A comparison between contrast medium injection and wedge pressure. Clin Res Cardiol 2010, Supplement: V652.
40. Rixe J, Wilhelm J, Rolf A, Nef HM, Möllmann H, Liebetrau C, **Erkapic D**, Hamm CW, Dill T. Correlation of diameter assessments of aortic annulus and bulbus by computed tomography and echocardiography prior to percutaneous aortic valve replacement. Clin Res Cardiol 2010, Supplement: V858.
41. Wilhelm J, Rixe J, Rolf A, Werle M, Nef HM, Möllmann H, **Erkapic D**, Liebetrau C, Dill T, Hamm CW. The diameter of the aortic annulus pre-interventionally assessed by cardiac computed tomography predicts the occurrence post-interventional paravalvular aortic insufficiency. Clin Res Cardiol 2010, Supplement: V860.
42. **Erkapic D**. Komplikationen nach Ablation von supraventrikuläre Tachykardien. Qualitätszirkel Kardiologie Nord-Württemberg e.V., Stuttgart 13.07.2009.

43. Pajitnev D, Schaumberg C, **Erkapic D**, Kuniss M, Neumann T, Georg S, Jung M, Berkowitsch A, Pitschner HF, Sperzel J, Hamm CW. Vergleich der elektrokardiographischen Optimierung der AV-Zeiten mit dem Quick-Opt. Algorithmus bei kardialer Resynchronisations-Therapie. Clin Res Cardiol 2009, Supplement: V1567.
44. Rixe J, Rolf A, Conradi G, Steiger H, **Erkapic D**, Möllmann H, Nef HM, Hamm CW, Dill T. Usefulness of Dual-Source Computed Tomography for Noninvasiv Detection of Coronary Artery Disease in Patients with Arrhythmia – Comparison to Invasiv Coronary Angiography. Clin Res Cardiol 2009, Supplement: V1619.
45. Neumann T, Kuniss M, Zaltsberg S, Berkowitsch A, **Erkapic D**, Pajitnev D, Hamm CW, Pitschner HF. Antral isolation of pulmonary veins alone vs. combined left atrial ablation in patients with persistent atrial fibrillation; when is additional lesion needed? Clin Res Cardiol 2009, Supplement: V654.
46. Aulbach V, Georg S, Jung M, Schwarz T, Burger H, Ehrlich W, **Erkapic D**, Pajitnev D, Kuniss M, Neumann T, Zaltsberg S, Pitschner HF, Sperzel J, Hamm CW. Prävalenz von Blutungskomplikationen bei Schrittmacher- und Defibrillator-Implantationen unter aktuellen Formen der Thrombozytenaggregationshemmung und therapeutischen Antikoagulation. Clin Res Cardiol 2009, Supplement: V947.
47. Neumann T, Kuniss M, Conradi G, Zaltsberg S, Berkowitsch A, **Erkapic D**, Dill T, Hamm CW, Pitschner HF. MEDAFI-Trial (Microembolization during ablation of atrial fibrillation): Comparison of pulmonary vein isolation using cryo balloon technique versus radiofrequency energy. Heart Rhythm Society 2008 Scientific Sessions, San Francisco, CA May 14-17.
48. Mohrs OK, Petersen SE, Schulze S, **Erkapic D**, Nowak B, Kauczor HU, Voigtlaender T. Dynamic contrast-enhanced MRI before and after transcatheter closure of patent foramen

ovale. Journal of Cardiovascular Magnetic Resonance 2007; 9 (2): 105-106.

49. Voigtländer T, Mohrs OK, Petersen SE, **Erkacic D**, Rubel C, Schulze T, Schräder R, Nowak B. (2004) Diagnose des offenen Foramen ovale mittels kontrastmittelverstärkter dynamischer MRT. Zeitschrift für Kardiologie 2004; Band 93, Suppl 3: 194.
50. Mohrs OK, Petersen SP, **Erkacic D**, Rubel C, Schulze T, Schräder R, Nowak B, Voigtländer T. Diagnostik des offenen Foramen ovale mittels kontrastmittelverstärkter dynamischer MRT. Fortschr Röntgenstr 2004; 176 (S1): 228.

Wissenschaftliche Poster / Abstracts

1. **Erkacic D**, Wolf A, Weipert K, Helmig I, Abaci G, Chasan R, Gemein C, Kelava A, Neumann T, Hamm CW, Schmitt J. Nitrate-stimulated tilt testing with and without a preceding passive phase: results of a prospective randomized trial. Clin Res Cardiol 2015; P454.
2. Schmitt J, Chasan R, Johnson V, Duncker D, Weipert K, Arnold MB, Shin DI, Sperzel J, Hamm CW, Veltmann CG, **Erkacic D**. ICD-Implantation, ICD-treatment and general survival of patients after returning the LifeVest®. Clin Res Cardiol 2015; P468.
3. V. Johnson, Chasan R, Veltmann CG, Arnold MB, Shin DI, Duncker D, Gemein C, Weipert K, **Erkacic D**, Sperzel J, Hamm CW, Schmitt J. Arrhythmia treatment and survival of patients wearing the LifeVest®. Clin Res Cardiol 2015; P469.
4. Chasan R, Gemein C, Weipert K, Helmig I, Abaci G, Kelava T, Neumann T, Hamm CW, Schmitt J, **Erkacic D**. Tilt testing: Experience from 786 consecutive patients with syncope of unknown origin. Clin Res Cardiol 2015; P1125.

5. Chasan R, Gemein C, Weipert K, Abaci G, **Erkapic D**, Hamm CW, Schmitt J. Symptomatic bradycardia in a CRT patient caused by T-wave oversensing under Hyperkalemia. *Clin Res Cardiol* 2014; 103 (Suppl 2): P256.
6. Schmitt J, Abaci G, Schweflinghaus A, Gemein C, Chasan R, Franzen W, Hamm CW, **Erkapic D**. The performance of the LifeVest Detection Algorithm in pacemaker patients. *Clin Res Cardiol* 2014; 103 (Suppl 1): P1770.
7. **Erkapic D**, Schmitt J, Roos M, Kelava A, Chasan R, Franzen W, Kuniss M, Hamm CW, Neumann T. Comparison of nitrate stimulated tilt testing with and without a preceding passive phase in patients with unknown syncope. *Clin Res Cardiol* 2013; 102 (Suppl 1): P1621.
8. **Erkapic D**, Hermann N, Franzen W, Kelava A, Schmitt J, Most A, Chasan R, Kuniss M, Sperzel J, Hamm CW, Neumann T. Comparison of passive tilt testing and nitrate stimulated tilt testing without a preceding passive phase in patients with unknown syncope. *Clin Res Cardiol* 2012; 101 (Suppl 1): P1322.
9. Pajitnev D, Schmitt J, Zaltsberg S, Greiß H, **Erkapic D**, Lehinant SA, Sperzel J, Berkowitsch A, Pitschner HF, Hamm CW, Kuniss M, Neumann T. Use of a novel circumferential mapping catheter (AchieveTM) for a real time visualization of pulmonary vein signals during pulmonary vein isolation with cryoballoon: a feasibility study. *Clin Res Cardiol* 2012; 101 (Suppl 1): P659.
10. Pajitnev D, **Erkapic D**, Zaltsberg S, Greiß H, Sperzel J, Schmitt J, Lehinant SA, Berkowitsch A, Pitschner HF, Hamm CW, Neumann T, Kuniss M. Comparison of a novel circumferential mapping and guiding catheter (AchieveTM) with a standard spiral catheter (Lasso) for pulmonary vein isolation with cryoballoon: procedural and clinical data. *Clin Res Cardiol* 2012; 101 (Suppl 1): P661.

11. **Erkapic D**, Bauernfeind T, De Rosa S, Hohnloser SH. Incidence and predictors for permanent pacemaker requirement after transcatheter aortic valve implantation – a systematic review of the literature. Heart Rhythm, San Francisco 2011: P05-06.
12. Schmitt J, Toepfer A, Erath J, **Erkapic D**, Duray GZ, Bauernfeind T, Hohnloser SH. The impact of renal failure on mortality and device therapy in a large series of ICD recipients. Heart Rhythm, San Francisco 2011: P06-15.
13. **Erkapic D**, Cay A, Weber M, Möllmann H, Berkowitsch A, Zaltsberg S, Pajitnev D, Rixe J, Neumann T, Kuniss M, Sperzel J, Hamm CW, Pitschner HF. Electrocardiographic predictors for permanent pacemaker requirement after transcatheter aortic valve implantation and conventional open aortic valve replacement. Clin Res Cardiol 2010, Supplement: P114.
14. Zaltsberg S, Berkowitsch A, Kuniss M, Neumann T, **Erkapic D**, Pajitnev D, Pitschner HF. Long term outcome after pulmonary vein isolation in patients with atrial fibrillation maintained sinus rhythm within first year after the procedure. Clin Res Cardiol 2010, Supplement: P383.
15. Rixe J, Rolf A, Wilhelm J, Nef HM, Möllmann H, Liebetrau C, **Erkapic D**, Neumann T, Hamm CW, Dill T. Serum Levels of High Sensitivity C-Reactive Protein Correlate with Coronary Artery Plaque Burden Assessed by Cardiac Computed Tomography. Clin Res Cardiol 2010, Supplement: P1015.
16. Berkowitsch A, Neumann T, Kuniss M, Zaltsberg S, Pajitnev D, **Erkapic D**, Pitschner HF. Impact of left atrial size on outcome after only ipsilateral block isolation of pulmonary veins in patients with persistent atrial fibrillation. Clin Res Cardiol 2010, Supplement: P1388.
17. Pitschner HF, Neumann T, Zaltsberg S, Berkowitsch A, **Erkapic D**, Pajitnev D, Kuniss M. Radiofrequency ablation of the left atrial appendage- from shrinking of the orifice to full

occlusion after ablation of atrial fibrillation. Clin Res Cardiol 2010, Supplement: P1389.

18. Kuniss M, Neumann T, Zaltsberg S, Berkowitsch A, **Erkapic D**, Pajitnev D, Wojcik M, Hamm CW, Pitschner HF. Antral vs. ostial circumferential isolation of pulmonary veins in patients with atrial fibrillation; when is antral isolation needed? Clin Res Cardiol 2009, Supplement: P382.
19. Zaltsberg S, Berkowitsch A, Neumann T, Kuniss M, **Erkapic D**, Pajitnev D, Wojcik M, Hamm CW, Pitschner HF. Impact of different ablation techniques on outcome after PVI in patients with atrial fibrillation. Clin Res Cardiol 2009, Supplement: P383.
20. Neumann T, Kuniss M, Berkowitsch A, Zaltsberg S, **Erkapic D**, Pajitnev D, Hamm CW, Pitschner HF. Klinische Signifikanz sehr später Arrhythmierezidive nach Pulmonalvenenisolation. Clin Res Cardiol 2009, Supplement: P387.
21. Berkowitsch A, Neumann T, Kuniss M, Zaltsberg S, Wojcik M, **Erkapic D**, Hamm CW, Pitschner HF. Dynamics of left-atrial sizes after pulmonary vein isolation predicts late recurrences in patients with paroxysmal atrial fibrillation. Clin Res Cardiol 2009, Supplement: P389.
22. **Erkapic D**, Rixe J, Sperzel J, Neumann T, Pitschner HF, Hamm CW, Dill T. Detektion einer akuten Aortitis mit Spinalarterienaneurysmen mittels Kontrastmittel-verstärkter Magnetresonanztomographie. Zeitschrift für Kardiologie 2008; Supplement: P415.
23. Klumb A, Neumann T, Kuniss M, **Erkapic D**, Zaltsberg S, Hamm CW, Pitschner HF. Symptome der Herzinsuffizienz durch eine arteriovenöse Fistel nach lumbaler Nukleotomie. Zeitschrift für Kardiologie 2008; Supplement: P540.
24. **Erkapic D**, Schmitt J, Neumann T, Sperzel J, Kuniss M, Hamm CW, Pitschner HF.

Ineffektive ICD-Schockabgaben bei einem Patienten mit ARVC und SCN5A Mutation. Zeitschrift für Kardiologie 2008; Supplement: P537.

25. Neumann T, Berkowitsch A, Kuniss M, Kurzidim K, Zaltsberg S, **Erkapic D**, Sperzel J, Hamm CW, Pitschner HF. Klinische Relevanz sehr früher versus früher Arrhythmierezidive mit Vorhofflimmern auf die Langzeiterfolgsrate nach Pulmonalvenenisolation. Zeitschrift für Kardiologie 2008; Supplement: P855.

26. Neumann T, Berkowitsch A, Kuniss M, Zaltsberg S, **Erkapic D**, Sperzel J, Kurzidim K, Hamm CW, Pitschner HF. Antrale Pulmonalvenenisolation mit differenten Kryoballongrößen: Vergleich zwischen der alleinigen 23mm versus 28mm Kryoballonanwendung. Zeitschrift für Kardiologie 2008; Supplement: P1184.

27. Neumann T, Kuniss M, Sperzel J, Conradi G, Zaltsberg S, Berkowitsch A, **Erkapic D**, Dill T, Hamm CW, Pitschner HF. Pulmonalvenenstenting zur Behandlung von erworbenen hochgradigen Pulmonalvenenstenosen nach Pulmonalvenenisolation. Klinische Langzeitergebnisse nach 4 Jahren Nachbeobachtungszeit. Zeitschrift für Kardiologie 2008; Supplement: P1519.

28. Mohrs O, **Erkapic D**, Petersen S, Schräder R, Nowak B, Kauczor HU, Voigtländer T. MRT zur Detektion des offenen Foramen ovale sowie von Restshunts nach interventionellem Verschluss. Zeitschrift für Kardiologie 2005; Supplement: P454.

29. Mohrs O, **Erkapic D**, Petersen S, Schräder R, Nowak B, Kauczor HU, Voigtländer T. MRI in patients with patent foramen ovale or with residual shunt after percutaneous occlusion. American Journal of Cardiology 2005; 96 (7A): 1-213H (#221).

30. Mohrs OK, Rubel C, **Erkapic D**, Nowak B, Schulze T, Schraeder R, Reinhart A, Hoffmann K, Kampwerth U, Fach A, Voigtländer T. Diagnosis of patent foramen ovale using contrast-en-

hanced dynamic MRI - first results compared with TEE. Journal of Cardiovascular Magnetic Resonance 2004; Volume 6, Issue 1:282.