

List of Publications Michael Kühne

Peer-Reviewed Articles:

Sticherling C, Schaer B, Coenen M, Kuhne M, Ammann P, Osswald S. Cardiac resynchronization therapy in chronic heart failure. *Swiss Med Wkly* 2006; 136: 611-7.

Oral H, Chugh A, Good E, Wimmer A, Dey S, Gadeela N, Sankaran S, Crawford T, Sarrazin JF, Kuhne M, Chalfoun N, Wells D, Frederick M, Fortino J, Benloucif-Moore S, Jongnarangsin K, Pelosi F, Bogun F, Morady F. Radiofrequency catheter ablation of chronic atrial fibrillation guided by complex electrograms. *Circulation*. 2007;115(20):2606-12.

Kuhne M, Schaer B, Moulay N, Sticherling C, Osswald S. Holter Monitoring for Syncope: Diagnostic Yield in Different Patient Groups and Impact on Device Therapy. *QJM*. 2007;100:771-7.

Kuhne M, Schaer B, Kaufmann C, Moulay C, Cron T, Cueni T, Weiss P, Schindler C, Sticherling C, Osswald S. A randomised trial comparing two different approaches of pacemaker selection. *Europace*. 2007;9:1185-90.

Chae S, Oral H, Good E, Dey S, Wimmer A, Crawford T, Wells D, Sarrazin JF, Chalfoun N, Kuhne M, Fortino J, Huether E, Lemerand T, Pelosi F, Bogun F, Morady F, Chugh A. Atrial tachycardia after circumferential pulmonary vein ablation of atrial fibrillation: mechanistic insights, results of catheter ablation, and risk factors for recurrence. *J Am Coll Cardiol*. 2007;50:1781-7.

Crawford T, Wimmer A, Dey S, Chalfoun N, Wells D, Sarrazin JF, Kuhne M, Frederick M, Jongnarangsin K, Good E, Chugh A, Bogun F, Pelosi F, Morady F, Oral H. Mechanism of recurrence after radiofrequency catheter ablation of atrial fibrillation guided by complex fractionated atrial electrograms. *J Interv Card Electrophysiol*. 2008;21:27-33.

Bogun F, Crawford T, Chalfoun N, Kuhne M, Sarrazin JF, Wells D, Good E, Jongnarangsin K, Oral H, Chugh A, Pelosi F, Morady F. Relationship of Frequent Post-Infarction Premature Ventricular Complexes to the Reentry Circuit of Scar-Related Ventricular Tachycardia. *Heart Rhythm* 2008;5:367-74.

Oral H, Crawford T, Frederick M, Gadeela N, Wimmer A, Dey S, Sarrazin JF, Kuhne M, Chalfoun N, Wells D, Good E, Jongnarangsin K, Chugh A, Bogun F, Pelosi F,

Morady F. Inducibility of Paroxysmal Atrial Fibrillation by Isoproterenol and its Relation to the Mode of Onset of Atrial Fibrillation. *J Cardiovasc Electrophysiol.* 2008;19:466-70.

Tada H, Yoshida K, Chugh A, Boonyapisit W, Crawford T, Sarrazin JF, Kuhne M, Chalfoun N, Wells D, Dey S, Veerareddy S, Billakanty S, Wong WS, Kalra D, Kfahagi A, Good E, Jongnarangsin K, Pelosi F, Bogun F, Morady F, Oral H. Prevalence and Characteristics of Continuous Electrical Activity in Patients with Paroxysmal and Persistent Atrial Fibrillation. *J Cardiovasc Electrophysiol.* 2008;19:606-12.

Jongnarangsin K, Chugh A, Good E, Mukerji S, Dey S, Crawford T, Sarrazin JF, Kuhne M, Chalfoun N, Wells D, Boonyapisit W, Pelosi F, Bogun F, Morady F, Oral H. Body Mass Index, Obstructive Sleep Apnea, and Outcomes of Catheter Ablation of Atrial Fibrillation. *J Cardiovasc Electrophysiol.* 2008;19:668-72.

Oral H, Chugh A, Good E, Crawford T, Sarrazin JF, Kuhne M, Chalfoun N, Wells D, Boonyapisit W, Gadeela N, Sankaran S, Kfahagi A, Jongnarangsin K, Pelosi F, Bogun F, Morady F. Randomized Evaluation of Right Atrial Ablation After Left Atrial Ablation of Complex Fractionated Atrial Electrograms for Long-Lasting Persistent Atrial Fibrillation. *Circ Arrhythmia Electrophysiol.* 2008;1:6-13.

Yoshida K, Ulfarsson M, Tada H, Chugh A, Good E, Kuhne M, Crawford T, Sarrazin JF, Chalfoun N, Wells D, Jongnarangsin K, Pelosi F, Bogun F, Morady F, Oral H. Complex Electrograms Within the Coronary Sinus: Time- and Frequency-Domain Characteristics, Effects of Antral Pulmonary Vein Isolation, and Relationship to Clinical Outcome in Patients with Paroxysmal and Persistent Atrial Fibrillation. *J Cardiovasc Electrophysiol.* 2008;19:1017-23.

Sarrazin JF, Kuehne M, Wells D, Chalfoun N, Crawford T, Boonyapisit W, Good E, Chugh A, Oral H, Jongnarangsin K, Pelosi F, Morady F, Bogun F. High-output pacing in mapping of postinfarction ventricular tachycardia. *Heart Rhythm* 2008;5:1709-14.

Yoshida K, Chugh A, Ulfarsson M, Good E, Kuhne M, Crawford T, Sarrazin JF, Chalfoun N, Wells D, Boonyapisit W, Veerareddy S, Billakanty S, Wong WS, Jongnarangsin K, Pelosi F, Bogun F, Morady F, Oral H. Relationship Between the Spectral Characteristics of Atrial Fibrillation and Atrial Tachycardias That Occur After Catheter Ablation of Atrial Fibrillation. *Heart Rhythm* 2009;6:11-17.

Oral H, Chugh A, Yoshida K, Sarrazin JF, Kuhne M, Crawford T, Chalfoun N, Wells D, Boonyapisit W, Veerareddy S, Billakanty S, Wong WS, Good E, Jongnarangsin K, Pelosi F, Bogun F, Morady F. A randomized assessment of the incremental role of ablation of complex fractionated atrial electrograms after antral pulmonary vein isolation for long-lasting persistent atrial fibrillation. *J Am Coll Cardiol.* 2009;53:790-1.

Kühne M, Sarrazin JF, Crawford T, Ebinger M, Good E, Chugh A, Jongnarangsin K, Pelosi F, Oral H, Morady F, Bogun F. Radiofrequency Ablation Guided by Mechanical Termination of Idiopathic Ventricular Arrhythmias Originating in the Right Ventricular Outflow Tract. *J Cardiovasc Electrophysiol.* 2010;21:42-46.

Sarrazin JF, Labounty T, Kuhne M, Crawford T, Armstrong WF, Desjardins B, Good E, Jongnarangsin K, Chugh A, Oral H, Pelosi F, Morady F, Bogun F. Impact of radiofrequency ablation of frequent post-infarction premature ventricular complexes on left ventricular ejection fraction. *Heart Rhythm* 2009;6:1543-9.

Altmann DR, Kühne M, Sticherling C, Osswald S, Schaer BA. Use of the CHADS2 risk score to guide antithrombotic treatment in patients with atrial fibrillation - room for improvement. *Swiss Med Wkly.* 2010;140:73-77.

Kühne M, Sakumura M, Reich SS, Sarrazin JF, Wells D, Chalfoun N, Crawford T, Boonyapisit W, Horwood L, Chugh A, Good E, Jongnarangsin K, Bogun F, Oral H, Morady F, Pagani F, Pelosi F. Simultaneous Use of Implantable Cardioverter-Defibrillators and Ventricular Assist Devices in Patients With Severe Heart Failure. *Am J Cardiol.* 2010;105:378-382.

Kühne M, Abrams G, Sarrazin JF, Crawford T, Good E, Chugh A, Ebinger M, Jongnarangsin K, Pelosi F Jr., Oral H, Morady F, Bogun F. Isolated Potentials and Pace-Mapping as Guides for Ablation of Ventricular Tachycardia in Various Types of Nonischemic Cardiomyopathy. *J Cardiovasc Electrophysiol.* 2010; 1017-1023.

Sarrazin JF, Good E, Kuhne M, Oral H, Pelosi F, Chugh A, Jongnarangsin K, Crawford T, Ebinger M, Morady F, Bogun F. Mapping and Ablation of Frequent Post-Infarction Premature Ventricular Complexes. *J Cardiovasc Electrophysiol.* 2010;21:1002-1008.

Kühne M, Suter Y, Altmann D, Ammann P, Schaer B, Osswald S, Sticherling C. Cryoballoon Versus Radiofrequency Catheter Ablation of Paroxysmal Atrial

Fibrillation: Biomarkers of Myocardial Injury, Recurrence Rates and Pulmonary Vein Reconnection Patterns. *Heart Rhythm*. 2010;7:1770-1776.

Kühne M, Blank R, Schaer B, Ammann P, Osswald S, Sticherling C. Effects of Physical Exercise on Cardiac Dyssynchrony in Patients with Impaired Left Ventricular Function. *Europace*. 2011 Jun;13(6):839-44.

Ilg KJ, Kühne M, Crawford T, Chugh A, Jongnarangsin K, Good E, Pelosi Jr F, Bogun F, Morady F, Oral H. Randomized Comparison of Cavotricuspid Isthmus Ablation for Atrial Flutter Using Open Irrigation-Tip versus a Large-Tip Radiofrequency Ablation Catheter. *J Cardiovasc Electrophysiol*. 2011;22:1007-1012.

Rohner A, Brinkert M, Kawel N, Buechel RR, Leibundgut G, Grize L, Kühne M, Bremerich J, Kaufmann BA, Zellweger MJ, Buser P, Osswald S, Handke M. Functional assessment of the left atrium by real-time three-dimensional echocardiography using a novel dedicated analysis tool: initial validation studies in comparison with computed tomography. *Eur J Echocardiogr*. 2011 Jul;12(7):497-505.

Reichlin T, Kühne M, Sticherling C, Osswald S, Schaer. Characterization and financial impact of implantable cardioverter-defibrillator patients without interventions 5 years after implantation. *QJM*. 2011;104(10):849-57.

Kühne M, Schaer B, Sticherling C, Osswald S. Holter Monitoring in Syncope: Diagnostic Yield in Octogenarians. *J Am Geriatr Soc*. 2011 Jul;59(7):1293-8.

Ehl NF, Kühne M, Brinkert M, Müller-Brand J, Zellweger MJ. Diabetes reduces left-ventricular ejection fraction - irrespective of CAD presence and extent. *Eur J Endocrinol*. 2011;165:945-951.

Bussell H, Kühne M, Osswald S, Sticherling C, Schaer B. Long-term follow-up of patients with AAI pacemakers for sick sinus syndrome: system upgrades and changes in Wenckebach block point behaviour. *Cardiovascular Medicine* 2011;14:148–151.

Frey SM, Sticherling C, Bucher U, Widmer R, Ammann P, Kühne M, Osswald S, Schaer B. Long-term performance of the Medtronic Sprint Fidelis lead: a matter of lead type? *Europace*. 2012;14:1620-3.

Hitz L, Kühne MS, Sticherling C, Osswald S, Schaer BA. Adjustments of heart failure medication after implantation of a cardiac resynchronization therapy defibrillator. *Minerva Med* 2012;103:361-367.

Vischer AS, Sticherling C, Kühne MS, Osswald S, Schaer BA. Role of Defibrillation Threshold Testing in the Contemporary Defibrillator Patient Population. *J Cardiovasc Electrophysiol*. 2012 Oct 22. doi: 10.1111/jce.12042. [Epub ahead of print]

Knecht S, Kühne M, Altmann D, Ammann P, Schaer B, Osswald S, Sticherling C. Anatomical Predictors for Acute and Mid-Term Success of Cryoballoon Ablation of Atrial Fibrillation Using the 28 mm Balloon. *J Cardiovasc Electrophysiol*. 2013 24:132-8.

Kühne M, Knecht S, Altmann D, Kawel N, Ammann P, Schaer B, Osswald S, Sticherling C. Phrenic nerve palsy during ablation of atrial fibrillation using a 28-mm cryoballoon catheter: predictors and prevention. *J Interv Card Electrophysiol*. 2013 36:47-54.

Kühne M, Knecht S, Altmann D, Ammann P, Schaer B, Osswald S, Sticherling C. Validation of a Novel Spiral Mapping Catheter for Real-time Recordings from the Pulmonary Veins During Cryoballoon Ablation of Atrial Fibrillation. *Heart Rhythm*. 2013;10:241-6.

Reviews:

Eckstein J, Kühne M, Osswald S, Schotten U. Mapping of atrial fibrillation – basic research and clinical applications. *Swiss Med Wkly*. 2009;139:496-504

Sticherling C, Kühne M, Schaer B, Altmann D, Osswald S. Remote monitoring of cardiovascular implantable electronic devices: prerequisite or luxury? *Swiss Med Wkly*. 2009;139:596-601.

Schaer B, Kühne M, Koller MT, Sticherling C, Osswald S. Therapy with an implantable cardioverter defibrillator (ICD) in patients with coronary artery disease and dilated cardiomyopathy: benefits and disadvantages. *Swiss Med Wkly*. 2009;139:647-53.

Kühne M, Osswald S. Synkopen-Diagnostik. Kardiale und vasovagale Ursachen unterscheiden. *Hausarzt Praxis* 2010;14:24-27.

Kühne M, Schaer B, Ammann P, Suter Y, Osswald S, Sticherling C. Cryoballoon ablation for pulmonary vein isolation in patients with paroxysmal atrial fibrillation – review of the literature and initial experience. *Swiss Med Wkly*. 2010;140:214-221.

Kühne M, Conen D. Atrial fibrillation in women. *Therapy*. 2010;7:139-146.

Kühne M, Conen D. Aktuelle therapeutische Interventionen und Empfehlungen bei Vorhofflimmern. *Kolloquium Innere Medizin* 2011;9:20.

Kühne M, Sticherling C. Cryoballoon Ablation for Pulmonary Vein Isolation of Atrial Fibrillation: A Better Way to Complete the Circle? *The Journal of Innovations in Cardiac Rhythm Management* 2011;2:264-270.

Altmann D, Knecht S, Sticherling C, Ammann P, Schaer B, Osswald S, Kühne M. Treating AF with Cryo Balloon Technology. *JAFib* 2012;4: 54-67.

Kühne M, Sticherling C, Conen D, Osswald S. Neuigkeiten bei der Behandlung von Vorhofflimmern. *Der informierte Arzt* 2012;2:35-37.

Kühne M, Osswald S. Differenzierte Behandlung von Vorhofflimmern. *Leading Opinions Kardiologie & Gefässmedizin* 2012;3:8-9.

Kühne M, Osswald S. Symptomkontrolle bei Vorhofflimmern. *Der informierte Arzt* 2012;12:50-51.

Kühne M, Conen D. Rationale Synkopenabklärung. *Therapeutische Umschau* 2013;70:31-35.

Monographs:

Kühne M. Ablation von Vorhofflimmern. Kryoballoon oder Radiofrequenzablation? *Leading Opinions Kardiologie & Gefässmedizin* 2010;4:18-19.

Book Contributions:

Kühne M, Oral H. Indications and Contraindications of Transseptal Catheterization. In: *Transseptal Catheterization in Cardiac Electrophysiology*. Thakur RK, Natale A (eds.). Cardiotext publishing 2010, Minneapolis, Minnesota.

Other Publications:

Kühne M, Sidler D, Hofer S, Lugli A, Ludwig Ch. Polycythemia and High Serum Erythropoietin Level As a Result of Hemangioblastoma. *J Clin Oncol* 2004; 22: 3639-40.

Kuhne M, Soler M, Ludwig Ch, Peters T. A stroke of luck in a 90-year-old. *Lancet* 2004; 364: 2152.

Kuhne M, Sidler D, Hofer S, Hofer M, Ludwig C. Zuviel Blut und eine erstaunliche Diagnose. *Schweiz Med Forum* 2005; 5: 273-275.

Marston A, Leibundgut G, Kuhne M, Rätz Bravo A, Hofer S, Ludwig C. Eine tödliche Arzneimittelinteraktion. *Schweiz Med Forum* 2006; 6: 350-352.

Kuhne M, Balmelli N, Tobler D, Linka A. Isolated Cleft of the Posterior Mitral Valve Leaflet. *Int J Cardiol* 2007;122:e15.

Tobler D, Kuhne M, Nidecker A. Schlingenbildung der linken Pulmonalarterie («left pulmonary artery sling»): Klinik und Röntgenzeichen einer Gefässvariante. *Schweiz Med Forum* 2007; 7: 523-524.

Chalfoun N, Kuhne M, Boonyapisit W, Jongnarangsin K. Managed ventricular pacing with a short VA interval: What is the mechanism? *Heart Rhythm*. 2007;4:1100-1.

Kuhne M, Chalfoun N, Boonyapisit W, Jongnarangsin K. A Wide Complex Tachycardia: What Is the Mechanism? *J Cardiovasc Electrophysiol*. 2008;19:332-3.

Kuhne M, Morady F, Jongnarangsin K. Premature Ventricular Contractions Causing Sinus Arrhythmia and Alternating P-R Prolongation. *J Cardiovasc Electrophysiol*. 2008;19:565.

Kuhne M, Ho SY, Morady F, Chugh A. Elimination of Left Atrial Appendage Potentials During Radiofrequency Ablation Near the Right Superior Pulmonary Vein. *Heart Rhythm* 2008;5:475-8.

Kuhne M, Gupta S, Boonyapisit W, Jongnarangsin K. Managed Ventricular Pacing: Possibility or Pitfall? *Heart Rhythm* 2008;5:489-90.

Kühne M, Osswald S. A bad memory. *Kardiovaskuläre Medizin* 2009;12:94-95.

Osswald S, Schaer B, Kuhne M, Sticherling C. No benefit from cardiac resynchronization therapy in asymptomatic patients. *J Am Coll Cardiol*. 2009;53:2198.

Kühne-Campana S, Kühne M. „Kammerflattern“ am Monitor: Sofortige Defibrillation? *J Kardiologie* 2010;17:50-51.

Mutschelknauss M, Rickenbacher P, Kühne M. Curing heart failure with catheter ablation? *Cardiovascular Medicine* 2010;13:288-289.

Boonyapisit W, Kuhne M, Morady F, Jongnarangsin K. Supraventricular tachycardia with delayed atrial depolarization after His-synchronous ventricular stimulation: What is the mechanism? *Heart Rhythm* 2010;7:280-281.

Kühne M, Schaer B, Osswald S, Sticherling C. Superior Vena Cava Stenosis after Radiofrequency Catheter Ablation for Electrical Isolation of the Superior Vena Cava. *Pacing Clin Electrophysiol.* 2010;33:e36-38.

Kühne M, Ammann P, Schaer B, Sticherling C, Osswald S. A Delta Wave in a Healthy Swiss Conscript: One Does Not Always Have to Burn to Learn. *Pacing Clin Electrophysiol.* 2010;33:e93-95.

Schaer B, Kühne M, Osswald S, Sticherling C. Remotely monitored death of a patient with implanted ICD. *Pacing Clin Electrophysiol* 2012;35:e280-3.

Reichlin T, Sticherling C, Kühne M. Atrioventricular reentrant tachycardia and atrial fibrillation in the same patient: one or two diseases? *Cardiovascular Medicine* 2012;15:59-61.

Sticherling C, Schaer B, Kühne M, Osswald S. A Plea for Delivery of High-Voltage Shocks During Implantable Cardioverter-Defibrillator Replacement or System Upgrade. *Can J Cardiol.* 2012;28:611.e5-6.

Altmann D, Kühne M, Ammann P. Ein fast normales EKG. *Cardiovascular Medicine* 2012;15:233–235.

Kühne M, Knecht S, Schaer B, Osswald S, Sticherling C. Interplay between Arrhythmias Originating in the Right Ventricular Outflow Tract and the Left Coronary Cusp. *Pacing Clin Electrophysiol.* 2012;35:e356-7.

Kühne M, Sticherling C. Ein Infarkt steht Kopf. *Swiss Medical Forum* 2012;12:901–902.