"New biomedical engineering perspectives in cardiac pacing and ablation"

Tuesday, September 18, 2012, Room HS8

Chairs: Matthias Heinke (University of Jena, DE); Bruno Ismer (Offenburg University of Applied Sciences, DE); Helmut Kuehnert (University of Jena, DE); Juraj Melichercik (MediClin Herzzentrum Lahr, DE) 09:30 New frontiers of supraventricular tachycardia and atrial flutter evaluation and catheter ablation Helmut Kuehnert; Hans Reiner Figulla (University of Jena, DE); Bruno Ismer (University of Rostock, DE); Matthias Heinke (University of Jena, DE) 09:45 Focused transesophageal left atrial and left ventricular pacing with different pacing mode for supraventricular tachycardia initiation and cardiac resynchronization therapy simulation Matthias Heinke (University of Jena, DE); Bruno Ismer (Offenburg University of Applied Sciences, DE); Helmut Kuehnert (University of Jena, DE); Juraj Melichercik (MediClin Herzzentrum Lahr, DE); Tobias Heinke (Siemens AG Healthcare Sector, Rudolstadt, DE); Ralf Surber; Gudrun Dannberg; Dirk Prochnau; Hans Reiner Figulla (University of Jena, DE) 10:00 High-resolution semi-invasive left heart electrocardiography in cardiac pacing and cardiac resynchronization therapy Bruno Ismer (Offenburg University of Applied Sciences, DE); Juraj Melichercik (MediClin Herzzentrum Lahr, DE); Matthias Heinke (University of Jena, DE) 10:15 New frontiers in the evaluation and treatment of patients with atrial fibrillation Juraj Melichercik (MediClin Herzzentrum Lahr, DE) 10:30 Novel RF generator, remote control and irrigation pump technology to provide maximum safety and control in cardiac catheter ablation Hans-Peter Nüdling (Stockert GmbH, Freiburg, DE) 10:45 What range of pace-sense-compensation should be provided in biventricular pacing systems for heart failure? Daisy Gebhardt; Frauke Schmid (Offenburg University of Applied Sciences, DE); Frank Weber (Euregio-Klinik Nordhorn, DE); Matthias Heinke (University of Jena, DE); Ina Ennker; Juraj Melichercik (MediClin Herzzentrum Lahr, DE); Bruno Ismer (Offenburg University of Applied Sciences, DE) Additional presentations of the Peter Osypka Institute for Pacing and Ablation at Offenburg University of Applied Sciences and in cooperation with the Friedrich-Schiller University of Jena were held on

Monday, September 17, 2012, Room HS1

09:45 Novel telemetric signal averaging ECG approach to determine electrical atrial and ventricular conduction delays in implantable cardioverter defibrillator patients Anja Töpfer (University of Jena, DE); Ingolf Wehseiner (Medtronic, DE); Bruno Ismer (Offenburg University of Applied Sciences, DE); Helmut Kuehnert, Jakob Allmann, Daniela Eisentraeger, Hans Reiner Figulla, Matthias Heinke (University of Jena, DE)

Tuesday, September 18, 2012, Room HS4

10:30 Soundcard based Multichannel Live-ECG Simulator for Research, Development and Education Johannes Koebele (Offenburg University of Applied Sciences, DE); Matthias Heinke (University of Jena, DE); Bruno Ismer (Offenburg University of Applied Sciences, DE) TRACK I3 - Left atrial and left ventricular conduction delay by transesophageal electrocardiography with hemispherical electrodes in sinus rhythm cardiac resynchronization therapy Matthias Heinke (University of Jena, DE); Bruno Ismer (Offenburg University of Applied Sciences, DE); Helmut Kuehnert (University of Jena, DE); Tobias Heinke (Siemens AG Healthcare Sector, Rudolstadt, DE); Ralf Surber; Dirk Prochnau; Hans Reiner Figulla
Wednesday, September 19, 2012, Room HS7

13:15 Novel semi-invasive left-heart electrogram feature to select patients with atrial fibrillation for cardiac resynchronization Katharina Kroll; Kirsten Rotter (University of Rostock, DE); Matthias Heinke (University of Jena, DE); Juraj Melichercik (MediClin Herzzentrum Lahr, DE); Christoph Nienaber (University of Rostock, DE); Bruno Ismer (Offenburg University of Applied Sciences, DE)

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