

SCIENTIFIC PROGRAM STAFF-MALT MEETING #20

MAASTRICHT, SEPTEMBER 11-14, 2024

(September 11, 2024)

WEDNESDAY, SEPTEMBER 11, 2024

17:00	22:00	<i>Wellcome, Reception and Diner</i>
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THURSDAY, SEPTEMBER 12, 2024

7:30	8:00	<i>Breakfast</i>
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8:15	8:30	<i>Opening: Staff Warren (Annapolis, MD) & Ton Gorgels (Maastricht, NL)</i>
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SESSION 1: Simulation & modeling (moving equivalent dipole; basics & CineECG). Chairs: Kees Swenne (Leiden, NL) & Paul Volders (Maastricht, NL)

1	8:30	9:00	Lukas Zelieska, Bratislava, SK (YI, supervisor: Ksenia Sedova): Comparison of a patient-specific ventricular bidomain reaction-diffusion model and a cellular automaton-based model for PVC simulation
2	9:00	9:30	Vito Starc, Ljubljana, SL: My spatial ECG method and its similarities and differences from CineECG, emphasizing depolarization and repolarization variability in equivalent moving dipole trajectories
3	9:30	10:00	Iris van der Schaaf, Utrecht, NL (YI, supervisor: Peter van Dam): CineECG demonstrates abnormal electrical activity in asymptomatic plakophilin-2-pathogenic variant carriers with a normal 12-lead ECG
4	10:00	10:30	Brian Swinnen, Maastricht, NL (YI, supervisor: Ton Gorgels): Value of the Cine ECG to assess cardiac surgery-induced myocardial damage: the PRIMARY study

10:30	10:45	<i>Break</i>
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SESSION 2: Left bundle branch block: ECG expressions and pacing. Chairs: Vito Starc (Ljubljana, SL) & Peter van Dam (Utrecht, NL)

5	10:45	11:15	Lennart Bergfeldt, Gothenburg, SE: Electrocardiographic analysis of abnormal QRS-T angles in general, and more specifically, LBBB
6	11:15	11:45	Smits, Karin, Maastricht, NL (YI, supervisor: Uyen Nguyen): Time-dependent activation and repolarization changes following left bundle branch area pacing versus conventional biventricular pacing in patients with dyssynchronous heart failure
7	11:45	12:15	Tadej Žlahtič, Ljubljana, SL (YI, supervisor: Vito Starc): Temporal evolution of repolarization parameters after cardiac resynchronization therapy: left bundle branch area pacing versus biventricular pacing
8	12:15	12:45	Anja Zupan Mežnar, Ljubljana, SL (YI, supervisor: Vito Starc): Identifying proximal left bundle branch block amenable to correction with conduction system pacing by equivalent dipole trajectories

13:00	22:00	<i>Lunch, Social Program & Diner</i>
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FRIDAY, SEPTEMBER 13, 2024

7:30	8:15	Breakfast
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SESSION 3: Ventricular tachycardia / ventricular fibrillation. Chairs: Alba Martin (Zaragoza, ES) & Uyen Nguyen (Maastricht, NL)

9	8:30	9:00	Paul Volders, Maastricht, NL: Arrhythmia susceptibility in patients with idiopathic ventricular fibrillation
10	9:00	9:30	Yesim Kaya, Maastricht, NL (YI, supervisor: Rachel ter Bekke): 3D precision targeting in radiotherapy for recurrent ventricular tachycardia: integration of multi-modality imaging
11	9:30	10:00	Inés Noguero Soler, Zaragoza, ES (YI, supervisor: Pablo Laguna): Risk assessment in hypertrophic cardiomyopathy based on ECG morphological descriptors and autonomic markers

SESSION 4: Atrial fibrillation. Chairs: Agnese Sbröllini (Ancona, IT) & Staff Warren (Annapolis, MD)

12	10:00	10:30	Jean-Phillipe Couderc, Rochester, NY: Video-based detection of AFib using mobile devices
	10:30	10:45	Break
13	10:45	11:15	Marina Demidova, Lund, SE: Occlusion of atrial coronary branches during STEMI and its association with new-onset atrial fibrillation
14	11:15	11:45	Alba Martín Yebra, Zaragoza, ES: QT/RR adaptation time in paroxysmal atrial fibrillation patients

SESSION 5: Congenital. Chair: Daniel Cortez (Sacramento, CA)

15	11:45	12:15	Frances Celine Melendres, Berkeley, CA (YI, supervisor: Daniel Cortez): Mahaim pathways in the pediatric population, including EKG/VCG findings
16	12:15	12:45	Alba Roquero-Isabel, Barcelona, ES (YI, supervisor: Pedro Gomis): Measurements and changes in the ECG of patients suffering from Brugada syndrome: a longitudinal study

	12:45	13:45	Lunch
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SESSION 6: Repolarization. Chairs: Ksenia Sedova (Prague, CZ) & Rachel ter Bekke (Maastricht, NL)

17	13:45	14:15	Sofia Romagnoli, Zaragoza, ES: QT memory in athletes during physical exercise
18	14:15	14:45	Peter Deissler, Maastricht, NL (YI, supervisor: Paul Volders): The electromechanical window for arrhythmia-risk assessment
19	14:45	15:15	Neurys Gomez Fontseca, Zaragoza, ES (YI, supervisor: Pablo Laguna): Repolarization dynamics of T-peak-to-T-end time warping in an open-chest porcine model and its relation to arrhythmic events
20	15:15	15:45	Steffi Masilamani, Rochester, MN (YI, supervisor: Daniel Cortez): T-wave memory and VCG in predicting WPW recurrence

	15:45	16:00	Break
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SESSION 7: Ischemia. Chairs: Jan Azarov (Syktyvkar, RU) & Ton Gorgels (Maastricht, NL)

21	16:00	16:30	Manon Kloosterman, Utrecht, NL (YI, supervisor: Peter van Dam): Electrocardiographic imaging to improve our understanding of cardiac repolarization
22	16:30	17:00	Jafar Mortada, Ancona, IT (YI, supervisor: Agnese Sbröllini): On the electrocardiographic identification of myocardial bridge
23	17:00	17:30	Jan Azarov, Syktyvkar, RU: Different fashions of the ECG expression of depolarization and repolarization heterogeneities in the ischemic myocardium

17:30	18:00	Wrap up: Staff Warren (Annapolis, MD)
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19:30	22:00	Closing dinner; Master of Ceremonies: Olle Pahlm, Lund (SE)
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SATURDAY, SEPTEMBER 14, 2024

7:30	10:00	Closing breakfast
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