

# TOPIC LIST ESC CONGRESS 2014 - Spotlight 2014: 'Innovation and the heart'

<p><b>1. Arrhythmias</b></p> <p><u>Arrhythmias / Pacing / Resynchronisation</u></p> <p>1.01 Mechanisms of arrhythmias</p> <p>1.02 Genetic aspects of arrhythmias</p> <p>1.03 Electrocardiography / cardioversion / defibrillation</p> <p>1.04 Non invasive studies</p> <p>1.05 Invasive electrophysiological studies</p> <p>1.06 Atrial fibrillation (AF)</p> <p>1.07 Supraventricular arrhythmias (excluding AF)</p> <p>1.08 Ventricular arrhythmias</p> <p>1.09 Sudden death / resuscitation</p> <p>1.10 Syncope</p> <p>1.11 Antiarrhythmic drugs</p> <p>1.12 Catheter ablation</p> <p>1.13 Antibradycardia pacing</p> <p>1.14 Automatic implantable cardioverter / defibrillator</p> <p>1.15 Resynchronisation therapy</p> <p>1.16 Device complications and lead extraction</p>	<p><u>Myocardial-Pericardial disease</u></p> <p>3.12 Cardiomyopathies</p> <p>3.13 Myocarditis</p> <p>3.14 Pericardial and myocardial disease, tumours, other</p> <p>3.15 Infectious, parasitic and nutritional diseases</p> <p>3.16 Myocardial-pericardial imaging</p> <p><u>Congenital heart disease / Paediatric cardiology</u></p> <p>3.17 Morphology, pathology and genetics</p> <p>3.18 Grown-up congenital heart disease and surgery</p> <p>3.19 Congenital, foetal heart disease and intervention</p> <p>3.20 Congenital heart disease imaging</p> <p>3.21 Adult congenital heart disease</p> <p>3.22 Pregnancy and heart disease</p> <p>3.23 Paediatric cardiology, other</p>	<p><u>Peripheral circulation / stroke</u></p> <p>5.13 Pathophysiology, epidemiology</p> <p>5.14 Imaging for peripheral disease</p> <p>5.15 Medical treatment</p> <p>5.16 Percutaneous / endovascular treatment</p> <p>5.17 Stroke</p> <p>5.18 Carotid disease</p> <p><u>Cardiovascular surgery</u></p> <p>5.19 Coronary surgery</p> <p>5.20 Mitral valve surgery</p> <p>5.21 Aortic valve surgery</p> <p>5.22 Minimally invasive and robotic surgery</p> <p>5.23 Aorta, peripheral arterial and venous surgery</p> <p>5.24 Circulatory assist and other</p>	<p><u>Pharmacology and pharmacotherapy</u></p> <p>7.08 Drug therapy, pharmacogenomics</p> <p>7.09 Guidelines and implementation in low resource settings</p>
<p><b>2. Heart Failure / LV Dysfunction</b></p> <p><u>Heart failure / LV dysfunction</u></p> <p>2.01 Pathophysiology and diagnosis</p> <p>2.02 Pharmacologic therapy</p> <p>2.03 Cardiotoxicity of drugs</p> <p>2.04 Neurohormones</p> <p>2.05 Medical aspects of transplantation</p> <p>2.06 Basic mechanisms</p> <p>2.07 Cardiac surgery</p> <p>2.08 Diastolic dysfunction</p> <p>2.09 Ventricular function / haemodynamics</p> <p>2.10 Peripheral circulation, metabolism and skeletal muscle</p> <p>2.11 Prognosis</p> <p>2.12 Heart failure, other</p>	<p><b>4. Ischaemia / Coronary Artery Disease / Acute Cardiac Care / Acute Coronary Syndromes</b></p> <p><u>Thrombosis and platelets, microcirculation</u></p> <p>4.01 Platelets and antiplatelets therapy</p> <p>4.02 Thrombosis and coagulation</p> <p>4.03 Inflammation and immunity</p> <p>4.04 Microcirculation and collaterals</p> <p><u>Ischaemia / ACS / infarction</u></p> <p>4.05 Ischaemia, experimental studies</p> <p>4.06 Angina pectoris stable</p> <p>4.07 Angina pectoris unstable</p> <p>4.08 Infarction acute phase STEMI</p> <p>4.09 Infarction acute phase non STEMI</p> <p>4.10 Post infarction period</p> <p>4.11 Adjunctive medical therapy</p> <p>4.12 Antithrombotic agents and thrombolysis</p> <p>4.13 CAD and comorbidities</p> <p><u>Acute cardiac care</u></p> <p>4.14 CPR (cardiopulmonary resuscitation)</p> <p>4.15 Prehospital cardiac care</p> <p>4.16 Acute cardiac care in the emergency department</p> <p>4.17 Acute intensive cardiovascular care</p>	<p><b>6. Prevention / Rehabilitation / Sports / Nursing</b></p> <p><u>Physical activity and sports cardiology</u></p> <p>6.01 Exercise testing and training</p> <p>6.02 Sports cardiology</p> <p>6.03 Physical activity</p> <p><u>Cardiovascular risk assessment</u></p> <p>6.04 Biomarkers</p> <p>6.05 Risk scores</p> <p><u>Prevention and rehabilitation</u></p> <p>6.06 Cardiovascular prevention: interventions and outcomes</p> <p>6.07 Cardiovascular rehabilitation: interventions and outcomes</p> <p><u>Epidemiology and health policy</u></p> <p>6.08 Epidemiology, lipids</p> <p>6.09 Tobacco</p> <p>6.10 Psycho-social, economic, cultural</p> <p>6.11 Nutrition</p> <p>6.12 Environment and CV diseases</p> <p>6.13 Public health and health policy</p> <p><u>Diabetes, metabolic syndromes</u></p> <p>6.14 Diabetes, dysglycaemia and metabolic syndrome</p> <p>6.15 Diabetes management</p> <p>6.16 Bodyweight</p> <p><u>Nursing and primary care / Allied health professionals</u></p> <p>6.17 Acute nursing care</p> <p>6.18 Chronic nursing care</p> <p>6.19 Primary care</p>	<p><b>8. Basic Science</b></p> <p><u>Cardiovascular system (patho)physiology</u></p> <p>8.01 Developmental biology</p> <p>8.02 Cardiovascular anatomy and pathology</p> <p>8.03 Integrative physiology and control mechanisms</p> <p>8.04 Stem cells and cell therapy</p> <p>8.05 Genetics and gene therapy</p> <p><u>Cardiac cellular biology</u></p> <p>8.06 Metabolism and metabolic syndromes</p> <p>8.07 Ischaemia and protection</p> <p>8.08 Hypertrophy, cell cycle and apoptosis</p> <p>8.09 Growth factors, neurohormones and signal transduction-cardiac</p> <p>8.10 Excitation-contraction coupling and contractile remodelling</p> <p>8.11 Ion channels and electrophysiology</p> <p>8.12 Cardiac biology, other</p> <p><u>Vascular biology</u></p> <p>8.13 Angiogenesis</p> <p>8.14 Lipids</p> <p>8.15 Atherosclerosis</p> <p>8.16 Endothelial function</p> <p>8.17 Inflammation, growth factors and signal transduction- vascular</p> <p>8.18 Vascular remodelling</p> <p>8.19 Vascular biology, other</p>
<p><b>3. Valvular Disease / Pulmonary Circulation / Myocardial-Pericardial Disease / Congenital Heart Disease and Paediatric Cardiology</b></p> <p><u>Valvular disease</u></p> <p>3.01 Aortic valve disease</p> <p>3.02 Mitral valve disease</p> <p>3.03 Endocarditis</p> <p>3.04 Aortic valve interventions</p> <p>3.05 Mitral valve interventions</p> <p>3.06 Valvular other and rheumatic disease</p> <p>3.07 Valvular imaging</p> <p><u>Pulmonary circulation</u></p> <p>3.08 Acute pulmonary embolism</p> <p>3.09 Chronic pulmonary hypertension</p> <p>3.10 Right ventricular function</p> <p>3.11 Pulmonary circulation, imaging, other</p>	<p><b>5. Interventions / Peripheral Circulation / Stroke / Surgery</b></p> <p><u>Coronary circulation</u></p> <p>5.01 Physiology, haemodynamics and microcirculation</p> <p>5.02 Invasive and functional coronary imaging</p> <p>5.03 Non-invasive coronary imaging</p> <p>5.04 Vulnerable plaque</p> <p><u>Interventional cardiology</u></p> <p>5.05 PCI: pre-clinical studies</p> <p>5.06 PCI / stents: devices and technique</p> <p>5.07 PCI: procedural complications</p> <p>5.08 PCI: primary PCI, patient subsets, other</p> <p>5.09 PCI: long-term outcome</p> <p>5.10 Non coronary cardiac interventions</p> <p>5.11 Restenosis</p> <p>5.12 Renal denervation</p>	<p><b>7. Hypertension / Pharma</b></p> <p><u>Hypertension</u></p> <p>7.01 Autonomic nervous system and humoral regulations</p> <p>7.02 Haemodynamics, heart and hypertension</p> <p>7.03 Treatment of hypertension</p> <p>7.04 Devices / interventions</p> <p>7.05 Ambulatory pressure monitoring</p> <p>7.06 Hypertension: regional and ethnic profiles</p> <p>7.07 Hvoertension, diet, other</p>	<p><b>9. Cardiac Imaging / e-Technology</b></p> <p><u>Nuclear cardiology, CMR and CT</u></p> <p>9.01 Scintigraphy (SPECT)</p> <p>9.02 Positron Emission Tomography (PET)</p> <p>9.03 Cardiovascular Magnetic Resonance (CMR)</p> <p>9.04 X-ray Computed Tomography (CT)</p> <p>9.05 Multimodality / hybrid imaging, other imaging</p> <p>9.06 Health economics and comparative effectiveness research</p> <p><u>Echocardiography / Doppler</u></p> <p>9.07 Echo-ventricular function and myocardial diseases</p> <p>9.08 Echo-valvular heart disease</p> <p>9.09 Echo-contrast / tissue characterisation</p> <p>9.10 Stress echo</p> <p>9.11 Echo / Doppler, other</p> <p>9.12 3-D echo</p> <p><u>e-Technology</u></p> <p>9.13 ECG, arrhythmia analysis, signal processing</p> <p>9.14 Imaging hardware, imaging standards, image processing</p> <p>9.15 Image databases, image data transmission, image analysis</p> <p>9.16 Telemedicine in cardiology</p> <p>9.17 Hospital information systems</p> <p>9.18 e-Cardiology other</p>