

08:30-10:00 | Riga - Zone B (QR 654*)

IONIC AND UPSTREAM MECHANISMS IN ATRIAL FIBRILLATION

Abstract Session

Chairperson(s): D. Dobrev (Mannheim, DE); S. Hatem (Paris, FR)

- 08:30 **High prevalence of mutations in the potassium channel subunit KCNQ1 in early onset lone atrial fibrillation.** 5153
– M.S. Olesen, I. Christophersen, N. Schmitt, S. Haunsøe, J.H. Svendsen (Copenhagen, DK)
- 08:45 **Modulation of atrial electrophysiology and oxidative stress by the endogenous peptide hormone apelin: implications in human atrial fibrillation.** 5154
– Y.M. Kim, A. Sachdev, M.H. Singh, S. Ray, L. Zhang, P. Ruiz-Lozano, S. Verma, B. Casadei, E.A. Ashley, P.H. Backx (Toronto, CA; Palo Alto and La Jolla, US; Oxford, GB)
- 09:00 **Atrial sources of reactive oxygen species vary with the duration and substrate of atrial fibrillation: implications for the antiarrhythmic effect of statins.** 5155
– S. Reilly, R. Jayaram, K. Nahar, C. Antoniadou, S. Verheule, K. Channon, N. Alp, U. Schotten, B. Casadei (Oxford, GB; Maastricht, NL)
- 09:15 **Downregulation of Cx40-protein in Cx40A96S point-mutated mice results in atrial conduction disturbances and prolongation of atrial fibrillation.** 5156(W)
– J.W. Schrickel, I. Luebkermeier, G. Nickenig, K. Willecke, L. Lickfett (Bonn, DE)
- 09:30 **Effects of beta-adrenoceptor stimulation on human atrial voltage-dependent K⁺ currents.** 5157
– R. Caballero, M.G. De La Fuente, R. Gomez, I. Amoros, A. Barana, P. Dolz, L. Osuna, J. Tamargo, E. Delpon (Madrid, ES)
- 09:45 **Frequency-dependent protective role of simvastatin in electrophysiological remodeling of AF and in terminating experimental AVRT mediated via KATP opening and endogenous Nitric Oxide (NO).** 5158
– V. Khor, M. Nayeypour (Gorgan, IR)

08:30-10:00 | Sofia - Zone B (QR 656*)

THE ADDED VALUE OF MULTIMODALITY IMAGING IN ARRHYTHMOLOGY

Abstract Session

Chairperson(s): D. Leung (Liverpool, AU); G. Athanassopoulos (Piraeus, GR)

- 08:30 **Prediction of clinical response to cardiac resynchronization therapy using magnetocardiography.** 5159
– S. Usami, H. Takaki, S. Hashimoto, S. Oishi, Y. Yamada, H. Okamura, T. Noda, W. Shimizu, M. Sugimachi, S. Kamakura (Suita and Himeji, JP)
- 08:45 **Three-dimensional architecture of scar and conducting channels based on high resolution CE-CMR. Insights for ventricular tachycardia ablation.** 5160
– A. Bernuzo, J. Fernandez-Armenta, O. Camara, E. Silva, L.L. Mont, D. Andreu, A. Frangi, J. Brugada (Barcelona, ES)
- 09:00 **Thromboembolic risk stratification scores for predicting left atrial thrombi before atrial fibrillation ablation: a transoesophageal echocardiographic study.** 5161
– M. Floria, M. Gerard, L. De Roy, D. Blommaert, J. Jamart, F. Dormal, O. Xhaet, O. Decauninck, V. Ambarus, B. Marchandise (Yvoir, BE; Iasi, RO)
- 09:15 **Cardiovascular magnetic resonance, analysis of safety and image quality in patients with antiarrhythmic devices.** 5162
– B. Igual Munoz, M.J. Sancho-Tello De Carranza, F.B. Sanchez, A. Maceira Gonzalez, O. Cano Perez, J. Osca Asensi, J. Estornell Erill, J.M. Sanchez Gomez, J. Olague De Ros, A. Salvador Sarz (Valencia, ES)
- 09:30 **ICD remote monitoring is well accepted and easy to use even for elderly.** 5163
– L. Morichelli, R.P. Ricci, A. Sassi, L. Quarta, A. Porfili, N. Cadeddu, M. Santini (Rome, IT)
- 09:45 **Reverse remodeling induces progressive resynchronization after cardiac resynchronization therapy: from vicious to virtuous cycle.** 5164
– K. Matsumoto, H. Tanaka, Y. Fukuda, K. Norisada, K. Tatsumi, K. Okajima, T. Hayashi, T. Kajiya, H. Kawai, K. Hirata (Kobe and Himeji, JP)

08:30-10:00 | Brussels - Zone D

EUROOBSERVATIONAL RESEARCH PROGRAMME OF THE ESC. FORTHCOMING REGISTRIES

Symposium

Chairperson(s): L. Tavazzi (Cotignola, IT); M. Komajda (Paris, FR)

Webcast

- 08:30 **General Registry: Chronic Ischaemic Heart Disease.** 5165
– R. Ferrari (Ferrara, IT)
- 08:48 **General Registry: Atrial Fibrillation.** 5166
– G.Y.H. Lip (Birmingham, GB)
- 09:06 **Sentinel Registry: Transcatheter Valve Treatment.** 5167
– C. Di Mario (London, GB)
- 09:24 **Special Registry: Cardiomyopathies.** 5168
– P.M. Elliott (London, GB)
- 09:42 **Special Registry: Peripartum Cardiomyopathy.** 5169
– K. Sliwa-Hahnle (Cape Town, ZA)

*Abstracts can
be accessed at: QR 654

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