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Current status and the future direction of atrial fibrillation ablation

Electrical pulmonary vein isolation (PVI) by ablating encircle the pulmonary vein has become a standardized treatment technique for paroxysmal atrial fibrillation (PAF). The data showing sufficient long-term results has proven to be superior to antiarrhythmic therapy for long-term period. More recently, many one shot techniques such as cryo-balloon and hot-balloon has also become established as an alternative therapeutic option. However; PVI alone also appears to be insufficient for treating persistent AF (pers. AF), with disappointing long-term results. Therefore, additional ablation strategies targeting the modification and/or elimination of the AF-sustaining atrial substrate have been used including ablation of complex fractionated atrial electrograms (CFAEs), deployment of linear lesions in the left atrium (LA), and other additional ablation techniques have been tried for many year. In this key-note lecture, the author will review the history of ablation of PAF, and also pers. AF, and will discuss about the future direction of the treatment atrial fibrillation.

Biography

Kazutaka Aonuma is the Director of Cardiovascular Division, Tsukuba University Hospital and Professor of Medicine, University of Tsukuba, Graduate School of Comprehensive Human Sciences, Tsukuba, Japan. He is also the President of Japanese Heart Rhythm Society 2016 and Editorial Board Member of *Journal of Arrhythmia*- Elsevier.

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