

WORLD HEART RHYTHM CONFERENCE

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Future trend in the heart pacing

About 3 million pacemakers are implanted worldwide and each year about 600.000 new implants occurs. The current pacemaker provides the benefit, but it has also disadvantages since they may have unwanted impact on the apical pacing of the right and left heart ventricle. Some of them include adverse events li. The new recent pacemakers are magnetic resonance imaging safe. That's why the future pacemakers should provide more physiological pacing, and possible wireless pacemakers with a implanted different location in the heart. The current proposed location is inside the coronary venous sinus system. This device is implanted into coronary sinus by the balloon Tran's catheter delivered system, eliminating the need for the cardio surgery procedure. The wireless remote pacing and management with digital mobile applications will be the future of cardiology. The patient mobile phones will be of great assist in the connection with a wireless pacing technology. So, the future trend in pacemaker's technology will provide better design of pacemakers, longer battery duration and good safety profile.

References

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Biography

Sekib Sokolovic is the Head of the Governmental Organization in Bosnia and Herzegovina. He is graduated from Medical Faculty Sarajevo in 1983. He is awarded as the specialist in Internal Medicine in 1994. He has done Master of Science in 1998. He was awarded PhD in 2004. Mr. Sokolovic is a fellow of University California Irvine, Oxford, AKH Vienna. He is specialist in both Cardiology and Rheumatology. He had started working in University Clinical Center Sarajevo from 1990 in the Department of Cardiology. He is the Director of Excellence Center for Arterial Hypertension. Vice-President of the Association of Cardiologists of Bosnia and Herzegovina, ESC Nucleus Member of Working Group on Pulmonary Circulation and Right Heart, President of the Working Group on Arterial Hypertension of UKBiH and He served as the Editorial Board Member of Rheumatology International Journal, European Journal of Rheumatology, Mediterranean Journal of Rheumatology. He had published many papers and books. He also have done many research projects in his field.

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