

The evaluation of left atrium as a heart failure evolution predictor in patients with arterial hypertension

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ABSTRACT

About 50 Arterial Hypertension patients with developed Heart Failure were examined: left atrium ECG and Echocardiogram changes were estimated comparatively in dynamics. It is well known, that in patients with Arterial Hypertension developed changes of the Left Ventricle End-Diastolic pressure manifest not only in the Left Ventricle but in Left Atrium also. So that diastolic dysfunction and systolic dysfunction both increase the loading of the Left Atrium. By the cause of the Left Atrium muscle weakness comparatively with Left Ventricle muscle, it manifests firstly by functional and structure disturbances of the Left Atrium. We investigated these disturbances in patients with Arterial Hypertension by evaluation of their Electrocardiogram and Echocardiogram indices in dynamics. Ongoing research comparing ECG and Echocardiogram changes gave us the opportunity to reveal Left Atrium ECG disturbances relatively earlier than Echocardiogram structural changes. Many times when we revealed ECG signs of Left Atrium enlargement and loading, we did not observe any changes of the Echocardiogram indices at the early period. Performed investigations in Arterial Hypertension patients with Heart Failure give the possibility to observe appropriate ECG changes firstly. These changes may be the early predictor of the possible developing Heart Failure in such patients, moreover it makes possible an optimal Arterial Hypertension management retarding and delaying the origin of the Heart Failure.

BIOGRAPHY

Kamala Huseynova was born in Baku, Azerbaijan on 25th of March in 1969. She entered for secondary education to city school 190 in 1978 and completed it in 1988. She started medical career in 1988 as a medical nurse in City Medical Emergency Ambulance. She entered to Medicine-Prophylactic Faculty of Azerbaijan State Medical University in Baku in 1989. She successfully completed the same faculty in 1995 with Doctor diploma. She completed her medical internship in Azerbaijan State Cardiology Research Institute in 1995-1996. She continued her career in Azerbaijan State Cardiology Research Institute as duty-doctor starting from 1996. She shifted to the department of Myocardial Infarction as a chief laboratory assistant in 1997. She shifted on position of scientist-researcher at the same department in 2004. During these 15 years of her work as a scientist-researcher, she prepared and published more than 20 scientific articles in scientific journals.

PUBLICATIONS

Frequency and temperature dependences of the physical properties of $(1-x)\text{TlGaSe}_2 \cdot x\text{Dy}$ solid solutions

Phase Diagram of the $\text{TlInSe}_2\text{-TlTmSe}_2$ System and Electrical and Thermal Properties of $\text{Tl}_2\text{InTmSe}_4$ Crystals



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