

8<sup>th</sup> Global

# Cardiologists & Echocardiography Annual Meeting

July 18-20, 2016 Berlin, Germany

## Three dimensional right ventricle function

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Noninvasive assessment of RV function nowadays, is mainly priority on 3-Dimensional echocardiography. 3D Echocardiography overcomes the difficulties in estimating RV volumes and function in different diseases. RV is systemic pumping chamber, facing increasing after load in CHD, cardiomyopathies, pulmonary hypertension. Difficult anatomy on the RV with heavy trabecularization make determination of blood-endocardial border difficult, missing of axis of symmetry complicate the task of geometry remodeling. Despite all these difficulties assessing RV volumes and function is crucial in the clinical management in patients with CHD. The Recommendations suppose assessing on RV function- volumes and EF to perform with 3D echocardiography. The results from different studies showed very high correlation on the results from MRI data assessing. The method is very simple, fast and with high accuracy to perform RV volumes and EF.

## Biography

Krasimira Hristova is a consultant cardiologist and expert in echocardiography at National Cardiology Hospital and a consultant in cardiology at University Women Hospital "Nadejda". She has defended a Doctorate on the application of new echocardiographic methods for assessing myocardial deformation in patients after acute myocardial infarction. She has specialized in prestigious universities in Austria and Belgium. She received Master's degree in the field of Advance Medical Imaging in Cardiology at the Catholic University in Leuven, Belgium. She is an author of many scientific articles and is a prize winner for a young investigator award of the International Society of Hypertension in 2006, as well as a number of awards at national and international organizations. She was a secretary and currently the President of the working group on echocardiography in Bulgarian Society of Cardiology, Member of the Board of the European Association of Echocardiography and the Scientific Committee of the American Society of Echocardiography. She is the Visiting Professor in Creighton University- Omaha, Nebraska, USA. Since December 2013, she is a member of the Board of Directors of the World Hypertension League.

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