Transesophageal Stress Echocardiography with Combination of Stress Agents in Diagnosis of Ischemic Heart Disease

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Abstract

The aim of the study was to evaluate diagnostic accuracy of transesophageal stress echocardiography (stress-TEE) with combination of high doze dipyridamole and dobutamine in diagnosis of ischemic heart disease in group of patients with poor trans thorax visualization.

46 men aged from 42 to 63 (48,2 ± 1,8 years) undergone stress-TEE with combination of high doze dipyridamole and dobutamine, coronary angiography. Stress-TEE were proceeded up to diagnostic criteria in all cases, where coronary angiographies reviled no coronary lesions in 16 (34,8 %) patients, in 11 (23,9 %) patients single vessel coronary lesions, in 19 (41,3 %) — patients multivessel coronary lesions. Sensitivity and specificity of stress-TEE with combination of stress agents were significantly higher analog data of stress-TTE with the same agents. The peak test character of local contractility impairment during stress-TEE with combination of stress agents permit to localize coronary arteries atherosclerotic stenosis with sensitivity of 100 % and specificity of 87,5 %.

Key words: Transesophageal Stress Echocardiography, Coronary Artery Atherosclerosis, Dipyridamole, Dobutamine, Coronary Angiography.

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