

Results of echocardiography in patients with infective endocarditis in Rouhani hospital, BABOL, 2015-2016.

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Background: (MR) infective endocarditis is increasingly prevalent despite antibiotic therapy for prophylaxy. The development of surgical therapy has dramatically changed the prognosis and the management of patients presenting with valvular endocarditis.. the aim of this study is evaluation echocardiographic findings and the results of surgical therapy in patients with valvular heart disease.

Methods: We have evaluated 68 patients with valvular infective endocarditis with transesophageal echocardiography who underwent surgical therapy between march2015-march2016 in Rouhani hospital,Babol. Transesophageal echocardiography (TEE) was done for all of patients. the statistical analysis is based on the SPSS software

Results: In this study,70 patients with valvular IE were performed TEE .they were divided four groups.

Group I: 28 patients with IE of mitral valve(11 female,17male) with age range 21-69 years.19 patients with mechanical prosthetic valve that 11 patients have had malfunction of prosthetic valve.all of patients have had vegetation. Group II :23 patients with IE of aortic valve (5 females,18 males)with age range 38-81 years.4 patients have had mechanical prosthetic valve. all of patients have had vegetation. Group III :18 patients with IE of tricuspid valve (1 females,17 males)with age range 21-33 years.4 patients have had prosthetic valve. all of patients have been IV drug abuser and had large vegetation. Group IV :one patient with IE of pulmonary valve with history of total correction tetralogy of fallot .she was IV drug abuser with large vegetation.

Conclusion : according to this study,TEE is important for diagnosis of valvular IE and mitral valve infection is more than other valves and our results is compatible with other studies.

Keywords: Infective endocarditis, valvular disease, vegetation, echocardiography.

