OCCLUTECH

Three years of experience using Occlutech Figulla PFO and ASD occluder

Introduction: Closure of PFO and ASD has been proving to be safe and effective using different types of devices. **Objective**: To describe the experience of the single-centre with implantation of Occlutech in 120 Patients to closure PFO and ASD between Mach 2008 and February 2011. **Methods:** 120 patients with hemodynamic significant ASD or PFO after cryptogenic stroke with right to left to shunt (spontaneous or after valsava maneuver) were referred to our institution to percutaneous closure (PFO 62 and ASD 58). Aged 10 to 76 years (m=46), 66% females. All procedures were done by conscious sedation, femoral vein punction, followed by TE ECHO and single dose of prophylactic antibiotic .AAS was started at least five days before and continued for 6 months after device implant. TT ECHO and Transcranial Doppler (to PFO closure) were done, 1, 6 and 12 months after the intervention. Prophylaxis for endocarditis was recommended for six months. **Results:** The devices implant was done in all patients successfully. Types of devices-PFO closure: single-layer 19; double layer 23/25 21 and double layer 27/30 18.-ASD Closure: (<20mm- 23pts) ;(20-29 -20 pts) and (30-39- 9 pts). Five patients had transient supraventricular tachycardia. Fever, headache, myalgia were observed in 25patients (20%), treated with symptomatic drugs, lasting from 7 to 28 days. All patients with ASD closure had significant reduction or normalization of the RV and no residual shunt or recurrence of stroke was observed in cases of PFO.**Conclusions**: In this study Occlutech occluder showed be safe, easy to manipulate and effective for PFO and AD closure

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