[gw22-e0117]

TRANSCATHETER CLOSURE OF VERY LARGE SECUNDUM ATRIAL SEPTAL DEFECTS: LONG-TERM FOLLOW-UP STUDY

Wu Hong, Liu Jing, Zhao Xianxian, Liu Bo, Wang Yanyan, Zhen Xing, Sun Jing, Pan Jingwei, Guo Fuzhi, Li Weiping, Wang Ersong, Qin Yongwen *Department of Cardiology, Changhai Hospital*

10.1136/heartjnl-2011-300867.602

Aims To evaluate the efficacy and safety of transcatheter closure of very large secundum atrial septal defects (ASD) with long-term follow-up results.

Methods and results From June, 2001 to June, 2008, 74 patients diagnosed as secundum atrial septal defect with a diameter more than 30 mm were enrolled in the study. Percutaneous closure of ASDs were attempted by using the Domestic Shanghai ASD-O guided by transthoracic echocardiography (TTE). For the group of the 74 patients, 68 of them are adults. The closure was successful in 71/74 patients (96%). The mean diameter of the device was 38.2 ± 2.73 mm. During the follow-up, complete closure could be achieved in 100% of patients. 7 adverse events (9.9%) were reported. Most adverse

events were categorised as minor and there was one major adverse events (1.4%).

Conclusion Transcatheter device closure is an effective management option for patients with very large ASD. Serious complications were rare.