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INTERVENTIONAL THERAPY OF MULTIPLE ATRIAL SEPTAL DEFECTS

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Dai Hai-long, Lu Yi-bing, Zhang Wei-hua, Guang Xue-feng, Yin Xiao-long, Deng Jie, Yang Dong, Zhang Wei-hua. *Yan'an Hospital affiliated to Kunming Medical College*

Objectives To evaluate the safety and efficiency of transcatheter closure of multiple atrial septal defects.

Methods A total of 10 patients (5 males and 5 females) with multiple atrial septal defects underwent transcatheter intervention therapy from October 2004 to January 2010. All the patients received transcatheter closure of multiple atrial septal defects guided by X ray fluoroscopy and echocardiography by using Amplatzer septal occluder. Their mean age was (57.0 ± 35.6) years. Their mean weight was (52.0 ± 16.9) kg. Follow-up with electrocardiogram (ECG) and transthoracic echocardiography (TTE) was undertaken 2 d, 1 m, 3 m, 6 m and 12 m after the procedures

Results Ten patients were treated successfully. One patient detected slight crevice shunt after the procedure by TTE, they were detected disappearance of the crevice shunt by TTE at 6 months after the procedure. No patient encountered complications during follow-up.

Conclusions Transcatheter closure of multiple atrial septal defects is safe, effective and feasible.