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INTERVENTIONAL THERAPY OF RESIDUAL SHUNTS AFTER SURGERY REPAIR OF CONGENITAL HEART DISEASE

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Objectives To probe the safety and clinical results of interventional therapy of residual shunts after surgery repair of congenital heart disease.

Methods A total of 10 patients (6 males and 4 females) with residual shunt after surgery repair underwent transcatheter intervention therapy from January 2004 to April 2011, including 7 patients with residual shunt after surgery repair of ventricular septal defect (VSD), 2 patients with residual shunt after surgery repair of patent ductus arteriosus (PDA), 1 patient with residual shunt after surgery repair of atrial septal defect (ASD). Their mean age was (27.6 ± 10.8) years. Their mean weight was (59.2 ± 7.6) 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. No patient encountered complications during follow-up.

Conclusions Transcatheter closure of residual shunts after surgery repair of congenital heart disease is safe, effective and feasible.