APPLICATION OF INTERVENTIONAL TECHNIQUE IN SURGICAL TREATMENT FOR CHILDREN CONGENITAL HEART DISEASE

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**Purpose** To evaluate the efficacy and anecynty of interventional technique combined with surgical treatment for children congenital heart disease.

**Methods** Coil embolisation to occlude aortopulmonary collateral vessels was attempted in 4 patients with PDA congenital heart disease. The underlying disease were pulmonary atresia with ventricular septal defect in 2 patients. Coil embolisation was performed before corrective surgery. There were 5 spring coils were used to embolise 3 vessels in 2 children received corrective surgery immediately after the procedure.

**Results** 19 vessels were embolised successfully. Among them occlusion was complete in 15 (79 %) and partial in 4 (21 %). During the corrective surgery, the systemic pressure was kept stable easily. After surgery, 2 children recovered and were discharged uneventfully.

**Conclusion** The results demonstrate that coil embolisation to occlude PDA could reduce the difficulty of extracorporeal circulation during surgery and simplify the corrective surgery procedure.

**ABSTRACT WITHDRAWN**