

ABSTRACT WITHDRAWN

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

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Purpose To evaluate the efficacy and ancenity 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.

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