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**THE CLINICAL EFFICACY AND SAFETY OF TREATMENT FOR DEBEKEY TYPE III AORTIC DISSECTION BY DOMESTIC COVERED INTRAVASCULAR STENT**

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Xie Dong-ming, Wang Zi-liang, Xie Dong-ming. *Department of Cardiovascular, The First Affiliated Hospital of Gannan Medical University*

**Objectives** To explore the clinical efficacy and safety of treatment for Debekey type III aortic dissection by domestic covered intravascular stent.

**Methods** From June 2006 to December 2011, 75 patients with Debekey type III aortic dissection underwent contrast-enhanced CT scan or MRI diagnosis, concurrent aortic angiography, the application of QCA vascular quantitative analysis software for measurement, select the appropriate type stent vascular inner wall of aortic dissection primary crevasse, repeat angiography observation bracket position check for leakage. The observation of internal leakage, stent migration and false cavity changes on CT 3 months after operation.

**Results** All these 75 patients with stent placement were treated successfully, the successful rate was 100%. Four cases involved the ostium of the left subclavian artery have also successfully completed the operation by domestic covered stent vascular branches, five patients with distal crevasse simultaneously were sealed through operation, one patients died of intestinal bleeding 4 weeks after operation, one patients has the left femoral nerve skin support injury, but a mild walking limitation. Immediate

postoperative angiography: 72 patients with the proximal crevasse were sealed through operation, and restore true cavity flow, and the endoleak has disappeared by implanting the second stent in the proximal crevasse. All patients were followed up by CT: 65 cases of aortic dissection disappeared, the false cavity thrombosis, 10 cases of distal false cavity in existence, but artery no expansion.

**Conclusions** Domestic covered stent placement in the treatment of Debekey type III aortic dissection is feasible and safe, and with less trauma, fewer complications, and treatment of lower cost, the results of short-term were satisfactory.