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Repair of the Left Pulmonary Artery After Bilateral Banding in Hybrid Procedures: Results Using “Sutureless” Repair Technique

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Abstract

We describe the use of the so-called “sutureless” technique for repair of stenosis of the left pulmonary artery after bilateral banding in the management of two patients with hypoplastic left heart syndrome who had undergone initial palliation with a hybrid procedure. After bilateral pulmonary artery debanding, arterioplasty with autologous pericardial patch and sutureless technique was carried out to decrease the risk of restenosis. Both patients survived the operation, and the exit pulmonary angiography revealed adequate flow across the arterioplasty sites. Patients are alive and well at 17 and 24 months of age, respectively.

Keywords

hypoplastic left heart syndrome, congenital heart surgery, pulmonary stenosis, CHD, univentricular heart

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