Images in cardio-thoracic surgery

Mixed total anomalous pulmonary venous connection

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A mixed total anomalous pulmonary venous connection, never previously reported, to our knowledge, is shown: all pulmonary veins but the left superior one drained into a common confluence, reaching the coronary sinus; the latter vein reached a left cardinal vein, with a secondary connection to the venous confluence (Fig. 1). We successfully rerouted the coronary sinus and ligated the cardinal vein. Four months postoperatively the patient is well, with echocardiographic gradient neither on the anastomosis nor on the accessory connection.

Fig. 1. Surgical orientation. RV, right ventricle; RA, right appendage; Ao, aorta; PATr, pulmonary arterial trunk; PDA, ductus arteriosus; LPA, left pulmonary artery; LSPV, left superior pulmonary vein; LIPV, left inferior pulmonary vein; LCV, left cardinal vein; VC, venous confluence; AC, accessory connection.

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