

Supplementary material

**Supplemental Table S1. Early arrhythmias and evolution through follow-up**

<b>Patients, age at latest follow-up</b>	<b>Type of TAPVC</b>	<b>Age at surgery</b>	<b>Early arrhythmias (within 4 postoperative weeks)</b>	<b>Late arrhythmias (after 4 postoperative weeks)</b>	<b>Treatment during follow-up</b>
1, 21 years	Supracardiac (Superior vena cava)	1 month	IART, sustained VT	IART, non-sustained VT	EPS 19 years after surgery without ablation. At latest follow-up, this patient was under beta blocker.
2, 19 years	Supracardiac *	1 month	IART	None	None
3, 28 years	Supracardiac (Superior vena cava)	1 month	Sinus node dysfunction	IART, sinus node dysfunction	Epicardial pacemaker implantation 2 months after surgery. Explantation of the pacemaker 6 years after implantation. (Explantation of pacemaker report was not available). During follow-up junctional rhythm was observed.
4, 23 years	Cardiac (coronary sinus)	3 days	Third degree atrioventricular block	IART, third degree atrioventricular block	Epicardial pacemaker implantation 1 month after surgery. Two years after pacemaker implantation, documented constant sinus rhythm without atrioventricular

					block. Explantation of the pacemaker 7 years after implantation because of atrial and ventricular lead fracture. EPS with ablation 21 years after surgery due to scarring associated IART in the right atrium. No reoccurrence of tachyarrhythmia documented. At latest follow-up, this patient was under beta blocker treatment.
5, 16 years	Unknown	3 weeks	IART, sinus node dysfunction	Sinus node dysfunction	Pacemaker implantation 36 months after surgery with battery replacement 9 years after implantation.

IART intra-atrial reentrant tachycardia; VT ventricular tachycardia; EPS electrophysiological study

\*no further information concerning the type of TAPVC obtained

**Supplemental Table S2. Late arrhythmias and treatment through follow-up**

<b>Patients, age at latest follow-up</b>	<b>Age at surgery</b>	<b>Late arrhythmia</b>	<b>Treatment</b>
1, 20 years	2 months	Non-sustained VT	EPS 19 years after surgery without ablation
2, 21 years	2 months	IART	EPS 19 years after surgery without ablation; cardiac medication with beta blocker on latest follow-up
3, 22 years	1 month	IART	Non antiarrhythmic medication with oral anticoagulation. During the latest follow-up, discussion for an EPS.
4, 38 years	2 months	IART	None
5, 67 years	14 years	IART	Non antiarrhythmic medication with calcium channel blocker on latest follow-up
6, 34 years	2 months	IART	Cardiac medication with betablocker on latest follow-up
7, 16 years	2 months	IART, bradyarrhythmia (slight sinus node dysfunction)	None
8, 16 years	2 months	Bradyarrhythmia	None
Patients 9-12 correspond to patients 1-4 in table S1			

IART intra-atrial reentrant tachycardia; VT ventricular tachycardia; EPS electrophysiological study