

**Table S1. Medical Characteristics of d-TGA Subjects (N=49) from Whom DTI Data Was Acquired at 16 Years of Age**

Variable	Minimum	25 <sup>th</sup> percentile	Median	75 <sup>th</sup> percentile	Maximum
<b>Preoperative characteristics</b>					
Apgar score at 1 min	2	7	8	8	9
Apgar score at 5 min	5	8	8	9	9
VSD diagnosis, N (%)			11 (22)		
Age at surgery, days	2	4	6	9	61
Low-flow treatment group, N (%)			26 (53)		
<b>Operative characteristics</b>					
Total cooling duration, min	10	13	15	20	50
Duration of deep hypothermic circulatory arrest, min	5	18	41	56	72
Total support time, min	116	133	140	156	203
Total bypass time, min	63	85	108	127	185
Lowest tympanic temperature during surgery, °C	12.0	12.2	14.5	15.5	17.5
<b>Postoperative characteristics</b>					
Definite clinical or EEG seizures, N (%)			4 (8)		
Days intubated	1.3	2.0	2.8	3.9	28.5
Days in cardiac intensive care unit	3	4	5	6	43
Days in hospital	6	7	8	11	64
<b>Interim medical history after arterial switch operation</b>					
Total number of cardiac operations	0	0	0	0	3
Total number of open operations	0	0	0	0	2
Total number of closed operations	0	0	0	0	2
Total number of catheterizations	0	1	1	1	5

d-TGA indicates d-transposition of the great arteries; DTI, diffusion tensor imaging; VSD, ventricular septal defect; EEG, electroencephalography.