## Supplementary material

Nartowicz SA, Jakielska E, Ciepłucha A, et al. Clinical factors affecting survival in patients with D-transposition of the great arteries after atrial switch repair: A meta-analysis. Kardiol Pol. 2022.

Please note that the journal is not responsible for the scientific accuracy or functionality of any supplementary material submitted by the authors. Any queries (except missing content) should be directed to the corresponding author of the article.

Table S1. Quality Assessment Tool for Observational Cohort and Cross-Sectional Studies

	Agnetti et al.	Birnie et al.	Dennis	Dos et al.	Ebenroth	Genoni	Helbing	Kammeraad	Khairy et al.	Kirjavainen et al.	Lange	Meijboom	Merlo	Myridakis	Popelova	Puley	Roubertie	Sarkar et al.	Schwerzmann et al.	Segesser	Wheeler et al.	Wilson et al.
1. Was the research question or objective in this paper clearly stated?	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
2. Was the study population clearly specified and defined?	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
3. Was the participation rate of eligible persons at least 50%?	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
4. Were all the subjects selected or recruited from the same or similar populations (including the same time period)? Were inclusion and	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

exclusion criteria for being in																						
the study prespecified and																						
applied uniformly to all																						
participants?																						
5. Was a sample size																						
justification, power																						
description, or variance and	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y
effect estimates provided?																						
6. For the analyses in this																						
paper, were the exposure(s) of																						
interest measured prior to the	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
outcome(s) being measured?  7. Was the timeframe																						
sufficient so that one could																						
	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
reasonably expect to see an	1	1	1	1	1	1	1	1	1	1	1	I	1	1	1	1	1	1	1	1	1	1
association between exposure and outcome if it existed?																						
8. For exposures that can vary																						
in amount or level, did the																						
study examine different levels																						
of the exposure as related to	Y	NA	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y
the outcome (e.g., categories of																						
exposure, or exposure																						
measured as continuous																						
variable)?																						
9. Were the exposure measures																						
(independent variables) clearly	Y	NT A	Y	Y	Y	NA	N	Y	Y	Y	N	Y	NT	N	Y	NT	Y	N	37	NT A	NT	NT
defined, valid, reliable, and	Y	NA	Y	Y	Y	NA	IN	Y	Y	Y	IN	Y	N	IN	Y	N	Y	IN	Y	NA	N	N
implemented consistently																						
across all study participants?																						
10. Was the exposure(s)	77	NID	<b>X</b> 7	**	**	* 7	37	37	NID	<b>X</b> 7	37	NID	37	**	**	<b>3</b> 7	<b>3</b> 7	* 7	37	NT A	<b>T</b> 7	77
assessed more than once over	Y	NR	Y	Y	Y	Y	Y	Y	NR	Y	Y	NR	Y	Y	Y	Y	Y	Y	Y	NA	Y	Y
time?																						
11. Were the outcome	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
measures (dependent variables)									_			_	_							_	_	

clearly defined, valid, reliable, and implemented consistently across all study participants?																						
12. Were the outcome assessors blinded to the exposure status of participants?	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N
13. Was loss to follow-up after baseline 20% or less?	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
14. Were key potential confounding variables measured and adjusted statistically for their impact on the relationship between exposure(s) and outcome(s)?	NR	Y	N	Y	NR	Y	Y	N	Y	Y	Y	Y	NR	NR	Y	Y	NR	N	Y	Y	N	NR

N, no; NA, not applicable; NR, not reported; Y, yes

Quality Rating	g (Good, Fair,	or Poor)

E.J.: S.N.:

Additional Comments (If POOR, please state why):

**Table S2.** All included articles (n = 22)

References	Type	N of	Surgical	Age	, years	Follow-up	, years		End	point
		patients	era	Mean	Median	Mean (SD)	Median	SCD	n-	SCD
				(SD)	(IQR)		(IQR)		SCD	equivalent
Agnetti et al. 2004	Cohort retrospective	73	1978–1987	ND	ND	19	ND	2	0	0
Birnie et al. 1998	Cohort retrospective	109	1972–1988	ND	ND	9.9	10.4	7	7	0
Dennis et al. 2017	Cohort retrospective	83	ND	35 (5)	ND	10.1 (6.1)	ND	3	5	1
Dos et al. 2005	Cohort retrospective	147	1973–1997	17.5	ND	16.7	ND	3	2	0
Ebenroth et al. 2007	Cohort retrospective	45	1970–1986	25.4 (4.3)	ND	24 (3.9)	ND	1	3	0
Genoni et al. 1999	Cohort retrospective	239	1962–1987	ND	ND	13.7	14.9	7	20	0
Helbing et al. 1994	Cohort retrospective	122	1961–1987	ND	ND	16	ND	8	7	0
Kammeraad et al. 2004	Cohort retrospective	140	1965–1993	ND	ND	10.6	7.9	47	0	0
Khairy et al. 2008	Cohort retrospective	37	ND	28 (7.6)	ND	23.6 (7.7)	ND	1	2	16

Kirjavainen et al.	Cohort	100	1978–1991	ND	ND	12.8 (3.1)	ND	4	3	0
1999	retrospective									
Lange et al. 2006	Cohort	417	1974–2001	ND	ND	19.1 (6.5)	ND	15	27	0
	retrospective									
Meijboom et al.	Cohort	91	1973–1980	15.8	ND	14 (2.1)	ND	7	6	0
1996	prospective			(3.9)						
Merlo et al. 1991	Cohort	104	1971–1978	ND	ND	12	ND	9	2	0
	prospective									
Myridakis et al.	Cohort	85	1971–1981	ND	ND	ND	ND	2	5	0
1994	retrospective									
Popelova et al. 2017	Cohort	87	ND	ND	25 (22–31)	ND	6.4 (4.2–	0	8	0
	retrospective						8.2)			
Puley et al. 1999	Cohort	86	1963–1981	ND	ND	23	ND	2	6	0
	retrospective									
Roubertie et al. 2011	Cohort	132	1977–2004	ND	ND	19.5 (6.6)	ND	5	3	0
	retrospective									
Sarkar et al. 1999	Cohort	358	1965–1992	13.9	ND	11.7 (6.1)	ND	45	8	0
	retrospective					Mustard				
						13.39 (4.46)				
						Senning				
Schwerzmann et al.	Cohort	149	ND	28	ND	26 (6)	ND	6	5	7
2009	retrospective			(7)						

Segesser et al. 1991	Cohort	254	1964–1988	ND	ND	10.1	ND	9	19	0
	retrospective									
Wheeler et al. 2014	Cohort	89	ND	ND	33 (29–38)	ND	30	5	0	0
	retrospective									
Wilson et al. 1998	Cohort	120	1964–1982	ND	ND	19.7	ND	7	4	0
	retrospective									

Abbreviations: IQR, interquartile range; N, number; ND, not described; n-SCD, non-sudden cardiac death; SCD, sudden cardiac death; SD, standard deviation