

Appendix 1

Methods

The PubMed, Web of Science, and Scopus databases were searched in January 2024, by two authors (M.P. and V.T.), using the following search string:

((“Heart Transplantation”[MeSH] OR “heart transplant”[tiab] OR “cardiac transplant”[tiab])
AND (“Circulatory Death”[MeSH] OR “Donation after Circulatory Death”[tiab] OR “DCD”[tiab])
AND (“Australia”[MeSH] OR “United Kingdom”[MeSH] OR “United States”[MeSH] OR Australia[tiab] OR “United Kingdom”[tiab] OR “UK”[tiab] OR “United States”[tiab] OR “US”[tiab]))

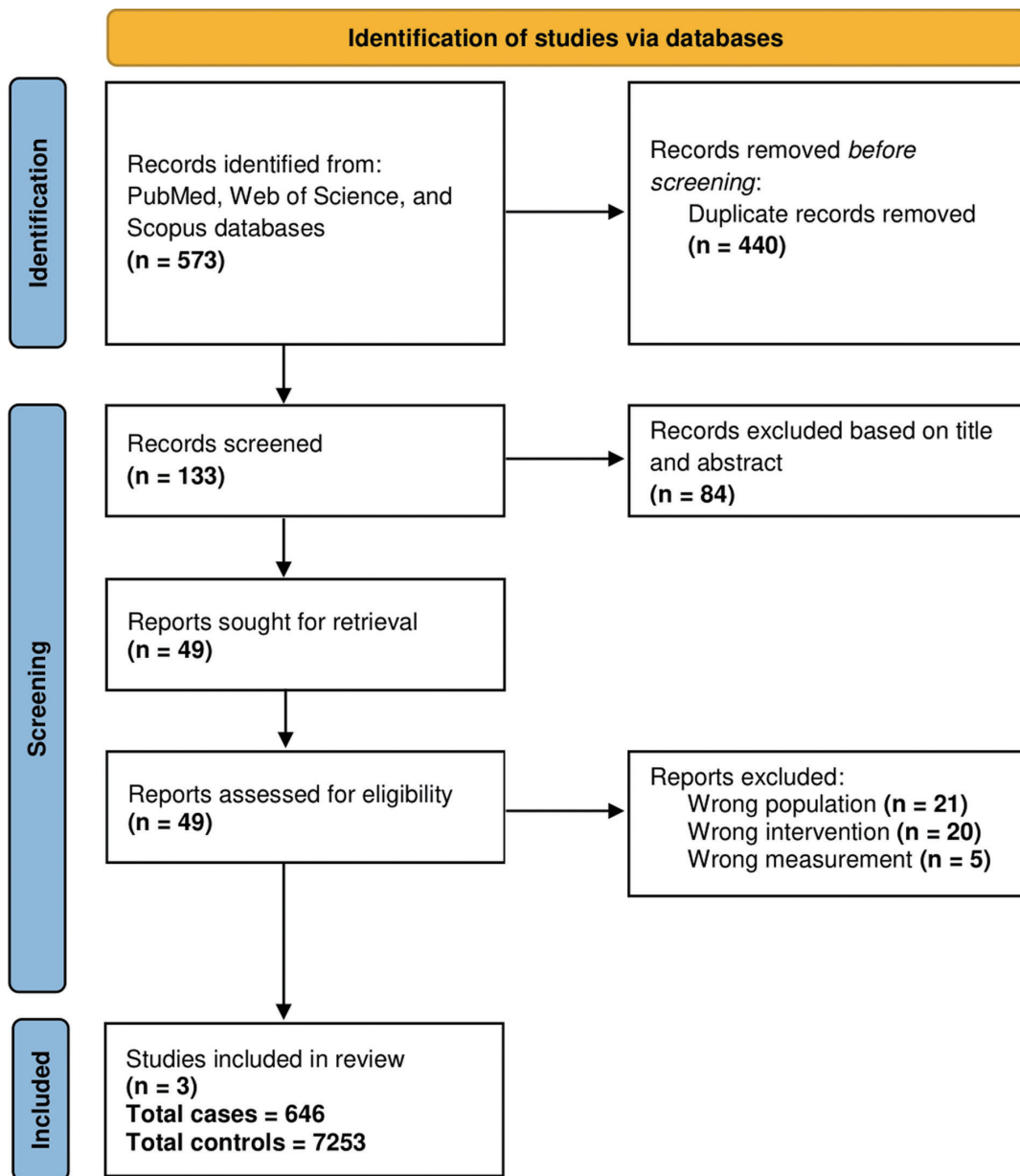


Figure S1 PRISMA 2020 flow diagram for new systematic reviews.

Table S1 Results of quality assessment using AXIS tool for each study included in the meta-analysis

Study	1. Aims clear?	2. Study design appropriate?	3. Sample size?	4. Target population clearly defined?	5. Sample represents reference population.?	6. Selected representative subjects?	7. Non-responders?	8. Appropriate risk factors-outcomes?	9. Measurements trialed/published previously?	10. Transparency in statistical analysis?	11. Repeatable methods?	12. Data adequately described?	13. Concerns about non-response bias?	14. Information about non-responders?	15. Internally consistent?	16. Results for all analyses in methods?	17. Discussions justified by the results?	18. Limitations discussed?	19. Funding/conflicts of interest?	20. Ethical approval?
Kwon <i>et al.</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Joshi <i>et al.</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0
Messer <i>et al.</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0

AXIS, Appraisal Tool for Cross-Sectional Studies.

Table S2 DBD donor characteristics

Study	Patients, n	Males, n [%]	Age (years), mean [SD]/median [IQR]	Cold IT (min), median [IQR]
Kwon JH	6,777	4,844 [71]	32 [25–50]	204 [174–240]
Joshi Y	297	–	–	–
Messer S	179	97 [54]	34 [13]	–

DBD, donation after brain death; SD, standard deviation; IQR, interquartile range; IT, ischemic time.

Table S3 DBD recipient characteristics

Study	Patients, n	Males, n [%]	Age (years), median [IQR]	Etiology of heart failure, n [%]							Preoperative LVAD/ECMO, n [%]
				Idiopathic DCM	Ischemic	RCM	Myocarditis	HCM	CHD	Other	
Kwon JH	6,777	4,944 [73]	57 [46–64]	3,824 [56]	1,883 [28]	298 [4]	–	248 [4]	230 [3]	294 [4]	4,488 [66]
Joshi Y	297	–	–	–	–	–	–	–	–	–	–
Messer S	179	104 [58]	46 [31–56]	101 [56]	29 [16]	8 [4]	–	13 [7]	16 [9]	12 [7]	59 [33]

DBD, donation after brain death; IQR, interquartile range; DCM, dilated cardiomyopathy; RCM, restrictive cardiomyopathy; HCM, hypertrophic cardiomyopathy; CHD, congenital heart disease; LVAD, left ventricular assist device; ECMO, extracorporeal membrane oxygenation.