Supplementary Information

Title: Clinical Outcomes of Islet Transplantation in Type 1 Diabetes: A Systematic Review and Meta-Analysis

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Table S1. Detailed search results in databases.

Database	Search Strategy	Results
Web of science	TS=("clinical trial") AND TS=(T1DM OR "Type 1 diabetes") AND TS=("islet transplant*" OR "islet transplantation")	271
Cochrane Library	("clinical trial" OR clinical trial*:ti,ab,kw) AND (T1DM:ti,ab,kw OR "type 1 diabetes":ti,ab,kw) AND ("islet transplant*":ti,ab,kw OR "islet transplantation":ti,ab,kw)	149
Embase	('clinical trial'/exp OR 'clinical trial':ab,ti) AND ('type 1 diabetes mellitus'/exp OR T1DM:ab,ti OR "type 1 diabetes":ab,ti) AND ('islet transplantation'/exp OR 'islet transplant*':ab,ti)	481
PubMed	(clinical trial) AND (((T1DM) OR (Type 1 diabetes)) AND (islet transplant))	302

Table S2. Risk of Bias Evaluation Conducted with the Newcastle–Ottawa Scale

Author	Selection	comparability	Outcome / exposere	Total stars
Anazawa et al. 2025	2	N.A.	2	4
Catarinella et al. 2025	2	N.A.	2	4
Chetboun et al.2023	4	N.A.	2	6
CITR 2025	4	N.A.	2	6
Fiorina et al. 2005	4	2	3	9
Fung et al. 2007	4	2	4	8
Gillard et al.2008	2	N.A.	2	4
Hering et al. 2016	2	N.A.	2	4
Hirshberg et al.2003	2	N.A.	2	4
Lablanche et al.2015	4	N.A.	3	7
Lablanche et al.2018	4	2	4	10
Maanaoui et al. 2024	4	2	4	10
Markmann et al. 2021	2	N.A.	2	4
Perrier et al. 2025	4	N.A.	2	6
Rickels et al.2022	4	N.A.	2	6
Tan et al 2008	2	N.A.	2	4
Toso et al. 2006	2	N.A.	2	4
Vantyghem et al.2009	2	N.A.	2	4

Figure S1. Flowchart of the Study Selection Process

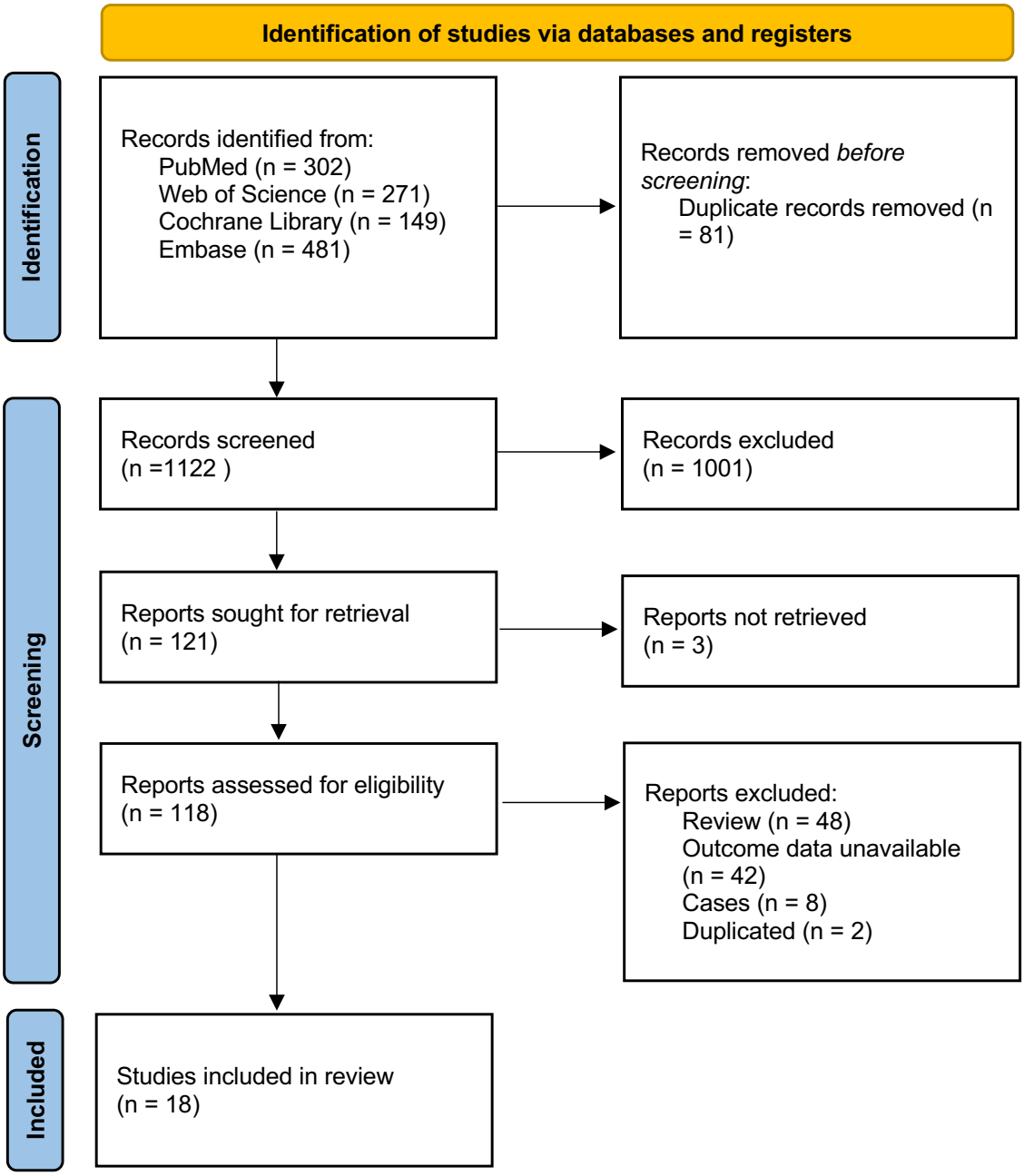
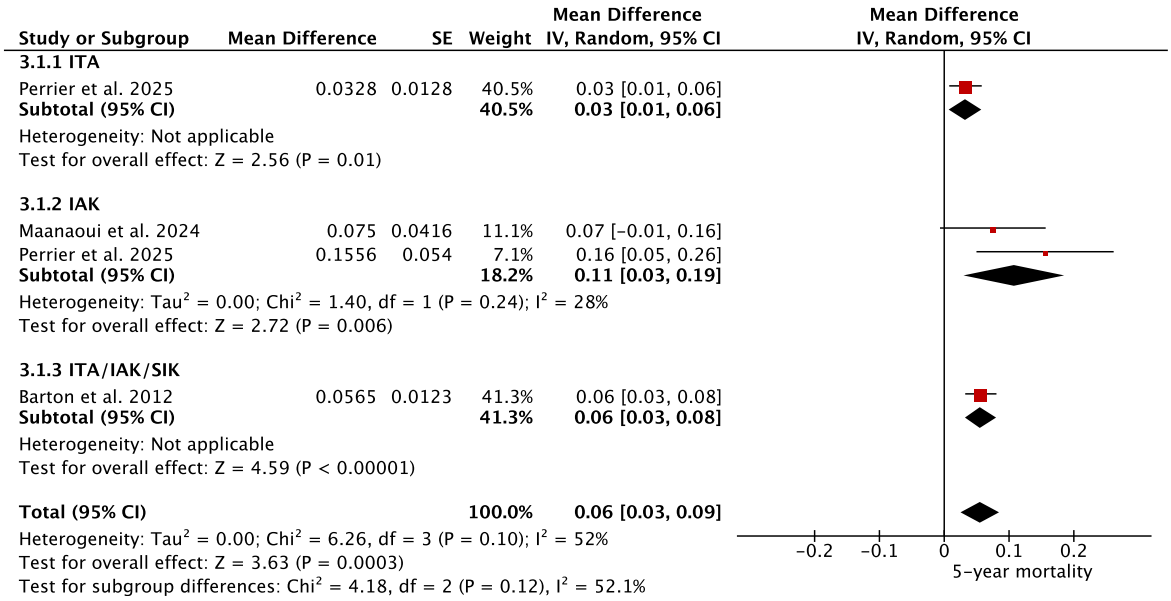
Figure S2. Meta-analysis of 5-year All-cause Mortality Rates