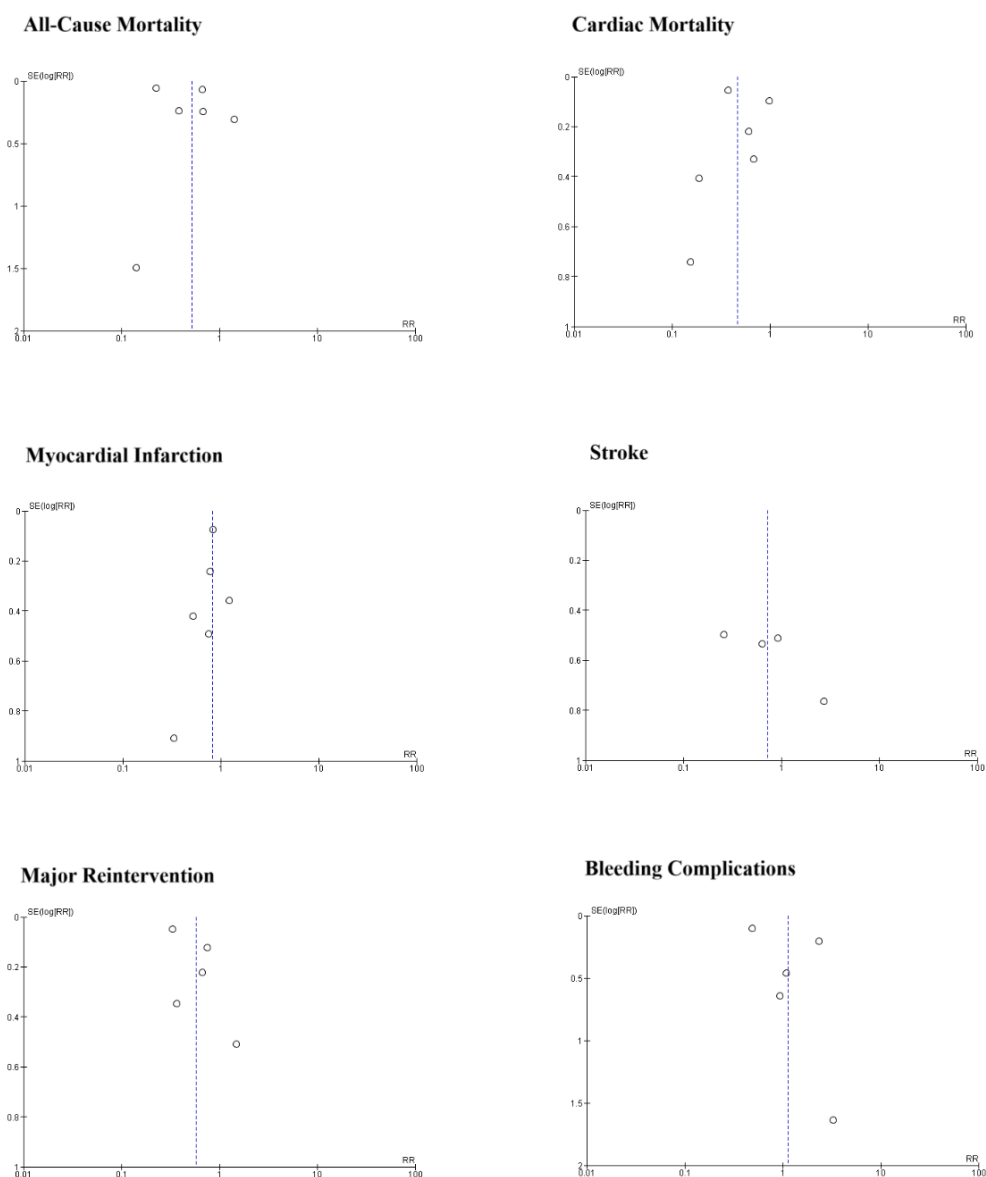




Supplementary Figure 1 Funnel plots assessing publication bias for clinical outcomes comparing dual antiplatelet therapy versus single antiplatelet therapy in patients with peripheral artery disease undergoing lower extremity revascularization: All-cause mortality, cardiac mortality, myocardial infarction, stroke, major reintervention, and bleeding complications.

		Risk of bias domains							
		D1	D2	D3	D4	D5	D6	D7	Overall
Study	Alvarez 2025	⊖	⊕	⊕	⊕	⊖	⊕	⊕	⊕
	Armstrong 2015	⊗	⊖	⊕	⊕	⊗	⊖	⊖	⊗
	Belkini 2020	⊕	⊖	⊖	⊕	⊖	⊖	⊖	⊖
	Chinai 2020	⊗	⊗	⊖	⊕	⊗	⊖	⊖	⊗
	Cho 2019	⊖	⊕	⊕	⊕	⊖	⊕	⊕	⊕
	Ipema 2020	⊖	⊖	⊕	⊕	⊖	⊖	⊖	⊖
	Soden 2016	⊖	⊖	⊖	⊕	⊗	⊖	⊖	⊖
	Thott 2017	⊗	⊗	⊖	⊕	⊖	⊖	⊖	⊗
	Yamada 2024	⊖	⊗	⊖	⊕	⊗	⊖	⊖	⊗

Domains:

D1: Bias due to confounding.

D2: Bias due to selection of participants.

D3: Bias in classification of interventions.

D4: Bias due to deviations from intended interventions.

D5: Bias due to missing data.

D6: Bias in measurement of outcomes.

D7: Bias in selection of the reported result.

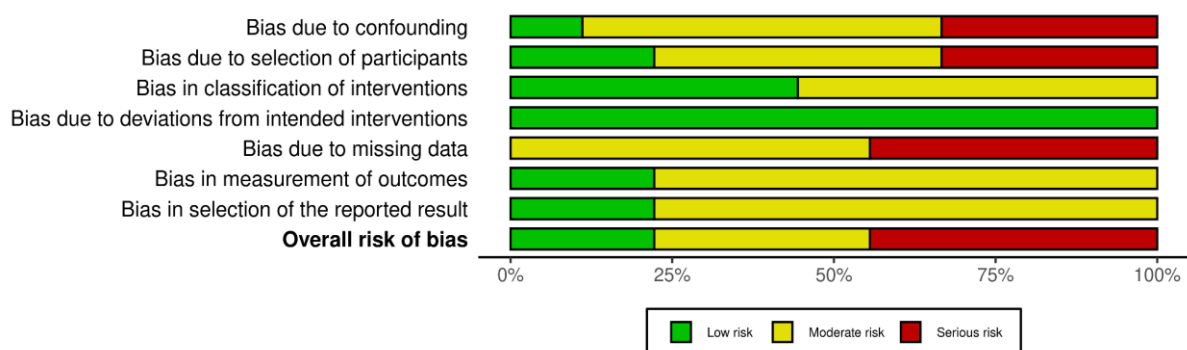
Judgement

⊗ Serious

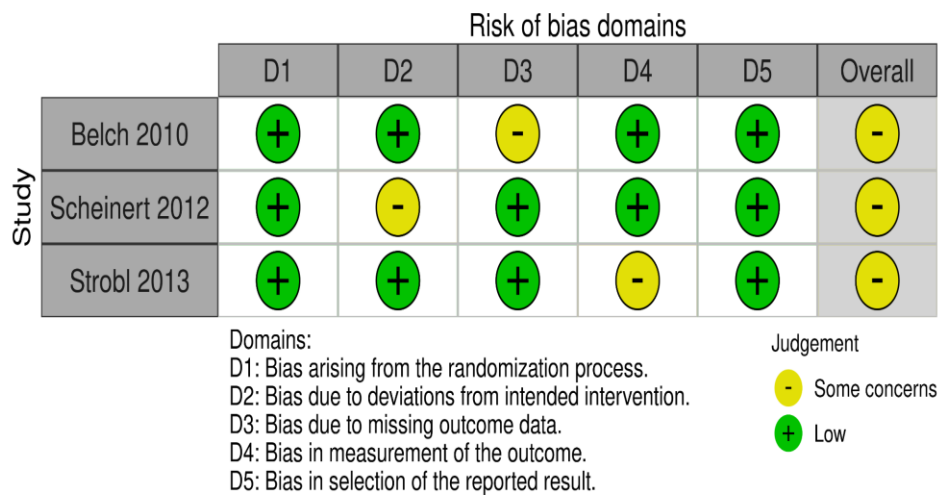
⊖ Moderate

⊕ Low

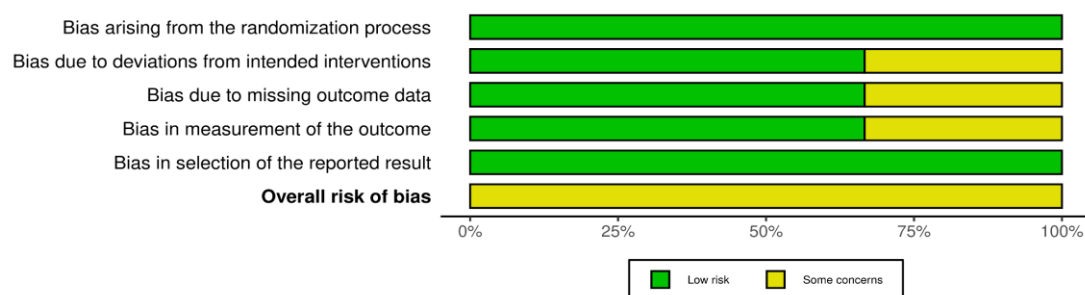
Supplementary Figure 2 Traffic light plot of risk of bias assessment using Risk of Bias in Non-randomized Studies of Interventions tool for cohort studies.



Supplementary Figure 3 Summary plot of overall risk of bias using Risk of Bias in Non-randomized Studies of Interventions tool for cohort studies.



Supplementary Figure 4 Traffic light plot of risk of bias assessment using the Cochrane Risk of Bias 2 for randomized controlled trials.



Supplementary Figure 5 Summary plot of overall risk of bias using the Cochrane Risk of Bias 2 for randomized controlled trials.

Supplementary Table 1 Grading of Recommendations Assessment, Development and Evaluation assessment of the outcomes

Name of outcome	No. of studies	Study design	Risk of bias	Inconsistency	Imprecision	Indirectness	Effect size (RR + 95%CI)	Certainty of evidence
All-cause mortality	6	Mixed (observational and RCTs)	Moderate	Serious ($I^2 = 97\%$, high heterogeneity)	Serious (wide 95%CI: 0.27–1.01, $P = 0.05$, not significant)	Not serious	RR: 0.52 (95% CI: 0.27–1.01)	Low
Cardiac mortality	6	Mixed (observational and RCTs)	Moderate	Serious ($I^2 = 94\%$, high heterogeneity)	Not serious (95%CI: 0.27–0.80, $P = 0.006$, significant)	Not serious	RR: 0.46 (95% CI: 0.27–0.80)	Moderate
Myocardial infarction	6	Mixed (observational and RCTs)	Moderate	Not serious ($I^2 = 0\%$, no heterogeneity)	Not serious (95%CI: 0.71–0.94, $P = 0.004$, significant)	Not serious	RR: 0.82 (95% CI: 0.71–0.94)	Moderate
Stroke	4	Mixed (observational and RCTs)	Moderate	Not serious ($I^2 = 59\%$, moderate heterogeneity)	Serious (wide 95%CI: 0.30–1.72, $P = 0.46$, not significant)	Not serious	RR: 0.72 (95% CI: 0.30–1.72)	Low

Major reintervention	5	Mixed (observational and RCTs)	Moderate	Serious ($I^2 = 92\%$, high heterogeneity)	Not serious ($P = 0.04$, significant)	Not serious	RR: 0.58 (95% CI: 0.35–0.98)	Moderate
Bleeding complications	5	Mixed (observational and RCTs)	Moderate	Serious ($I^2 = 92\%$, high heterogeneity)	Serious (wide 95% CI: 1.42–3.03, $P = 0.82$, not significant)	Not serious	RR: 1.12 (95% CI: 1.42–3.03)	Low

RCTs: Randomized controlled trials; RR: Risk ratio.

PubMed: 259 results

("Peripheral Arterial Disease"[Mesh] OR peripheral artery disease[Title/Abstract] OR PAD[Title/Abstract] OR peripheral arterial disease[Title/Abstract]) AND ("Aspirin"[Mesh] OR "Platelet Aggregation Inhibitors"[Mesh] OR single antiplatelet therapy[Title/Abstract] OR SAPT[Title/Abstract] OR aspirin[Title/Abstract] OR clopidogrel[Title/Abstract] OR ticagrelor[Title/Abstract]) AND ("Platelet Aggregation Inhibitors"[Mesh] OR dual antiplatelet therapy[Title/Abstract] OR DAPT[Title/Abstract] OR dual anti-platelet therapy[Title/Abstract]) AND ("Lower Extremity"[Mesh] OR lower extremity revascularization[Title/Abstract] OR endovascular revascularization[Title/Abstract] OR surgical revascularization[Title/Abstract] OR peripheral revascularization[Title/Abstract] OR lower limb revascularization[Title/Abstract])

ScienceDirect: 406 results

("peripheral arterial disease" OR PAD) AND (aspirin OR "single antiplatelet therapy" OR SAPT) AND ("dual antiplatelet therapy" OR DAPT) AND ("lower extremity revascularization" OR "endovascular revascularization")

EMBASE: 1547 results

('peripheral arterial disease':ti,ab,kw OR 'peripheral artery disease':ti,ab,kw OR PAD:ti,ab,kw OR 'peripheral arterial disease'/exp) AND ('aspirin'/exp OR 'single antiplatelet therapy':ti,ab,kw OR SAPT:ti,ab,kw OR aspirin:ti,ab,kw OR clopidogrel:ti,ab,kw OR ticagrelor:ti,ab,kw OR 'antiplatelet agent'/exp) AND ('dual antiplatelet therapy':ti,ab,kw OR DAPT:ti,ab,kw OR 'dual anti-platelet therapy':ti,ab,kw OR 'antiplatelet agent'/exp) AND ('lower limb'/exp OR 'lower extremity revascularization':ti,ab,kw OR 'endovascular revascularization':ti,ab,kw OR 'surgical revascularization':ti,ab,kw OR 'peripheral revascularization':ti,ab,kw OR 'lower limb revascularization':ti,ab,kw)