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Safety and efficacy of left atrial appendage closure in cancer *versus* non-cancer patients: a systematic review and meta-analysis

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Figure S1. PRISMA flowchart.

	Cancer Events Total		Non-cancer			Risk Ratio	Risk Ratio		
Study or Subgroup			Events	Total	Weight	M-H, Random, 95% Cl	M-H, Random, 95% Cl		
Kumar et al. 2023	5	55	18	332	24.1%	1.68 [0.65, 4.33]			
Shabtaie et al. 2023	15	55	72	212	41.3%	0.80 [0.50, 1.29]			
Zhang et al. 2023	21	1845	82	58535	0.0%	8.13 [5.04, 13.09]			
Zweiker et al. 2024	10	57	39	429	34.6%	1.93 [1.02, 3.65]			
Total (95% CI)		167		973	100.0%	1.30 [0.69, 2.43]	*		
Total events	30		129						
Heterogeneity: Tau ² =	0.19; Chi ^a	² = 5.39	, df = 2 (F	^o = 0.07)	; I ² = 63%	1			
Test for overall effect: Z = 0.82 (P = 0.41)							0.01 0.1 1 10 100 Cancer Non-cancer		

Figure S2. Forest plot for bleeding complications after a leave-one-out analysis.

 Table S1. Detailed search strategy used in each database.

PubMed (n=41)	(Left atrial appendage occlusion OR left			
	atrial appendage closure) AND (cancer OR			
	neoplasm OR malignancy)			
Scopus (n=103)	(Left atrial appendage occlusion OR left			
	atrial appendage closure) AND (cancer OR			
	neoplasm OR malignancy)			

	Study name						
	Hobohm	Kumar et	Shabtaie et	Zhang et	Zweiker et		
	et al.	al.	al.	al.	al.		
Selection (4)							
Representativeness of the	*	*	*	*	*		
exposed cohort							
Selection of the non-	*	*	*	*	*		
exposed cohort							
Ascertainment of exposure	*	*	*	*	*		
Demonstration of the	*			*			
outcome of interest was not							
present at the start of the							
study							
Comparability (2)							
Comparability of cohorts	**	**	**	**	**		
based on the design or							
analysis							
Outcome (3)							
Assessment of outcome	*	*	*	*	*		
Was follow-up long enough	*	*	*	*	*		
for outcomes to occur							
Adequacy of follow-up of	*	*	*	*	*		
cohorts							
Total (9)	9	8	8	9	8		

 Table S2.
 Newcastle-Ottawa Quality Assessment for cohorts.

*Consider, if feasible to do so, reporting the number of records identified from each database or register searched (rather than the total number across all databases/registers). **If automation tools were used, indicate how many records were excluded by a human and how many were excluded by automation tools.