Supplementary Material

Table S1. Full search strategy for the various databases

PubMed

#1	Irritable bowel syndrome IBS	irritable bowel syndrome[MeSH Terms] OR ("Irritable Bowel"[Text Word] OR "IBS"[Text Word] OR "Irritable Colon"[Text Word] OR "Mucous Colitis"[Text Word] OR "Spastic Colitis"[Text Word] OR "Spastic Colon"[Text Word])
#2	Coffee	coffee[MeSH Terms] OR "Coffee"[Text Word] OR "Caffeine"[Text Word] OR "Beverage"[Text Word]

Embase

#1	Irritable bowel syndrome IBS	'Irritable bowel syndrome'/exp or 'irritable bowel syndrome':ti,ab or 'irritable bowel':ti,ab or 'IBS':ti,ab or 'irritable colon':ti,ab or 'mucous colitis':ti,ab or 'spastic colitis':ti,ab or 'spastic colon':ti,ab

#2	Coffee	'coffee'/exp or 'coffee':ti,ab or 'caffeine':ti,ab or 'beverage':ti,ab

Cochrane Library

#1	Irritable bowel syndrome IBS	MeSH descriptor: [Irritable Bowel Syndrome] explode all trees OR ("irritable bowel syndrome" or "irritable bowel" or "IBS" or "irritable colon" or "mucous colitis" or "spastic colitis" or "spastic colon"):ti,ab,kw
#2	Coffee	MeSH descriptor: [Coffee] explode all trees OR ("coffee" or "caffeine" or "beverage"):ti,ab,kw

Table S2. Newcastle Ottawa Scale for cross-sectional studies

Study	Author	Year	Selection Bias Assessment (Maximum 4 stars)				Comparability (Maximum 2 stars)		Outcome (maximum 3 stars)		
			Representativeness of the sample	Selection of control group	Ascertainment of exposure	Non-respondents	Main factor	Additional factor	Assessment of outcomes	Statistical test	Total (10/10)
1	Khademolhosseini et al[7]	2011	*	*	*	0	0	0	*	*	5/10
2	Basandra et al[8]	2014	0	*	0	0	0	0	*	*	3/10
3	Al Saadi et al[24]	2016	0	*	*	0	0	0	*	*	4/10
4	Kesuma et al[25]	2021	*	*	*	*	0	0	*	*	6/10
5	Koochakpoor et al[26]	2021	*	*	*	0	*	*	*	*	7/10
6	El Sharawy et al[27]	2022	0	*	*	0	0	0	*	*	4/10

Table S3. Newcastle Ottawa Scale for case-control studies

Study	Author	Year	Selection Bias Assessment (Maximum 4 stars)				Comparability (Maximum 2 stars)		Exposure (maximum 3 stars)			
			Is the case definition adequate?	Representativeness of the cases	Selection of controls	Definition of controls	Main factor	Additional factor	Ascertainment of exposure	Same method of ascertainment for cases and controls	Non-response rate	Total (9/9)
1	Guo et al[8]	2015	*	*	*	*	*	*	*	*	*	9/9

Table S4. Newcastle Ottawa Scale for cohort studies

Study	Author	Year	Selection Bias Assessment (Maximum 4 stars)				Comparability (Maximum of 2 stars)		Outcome (maximum 3 stars)			
			Representativeness of the exposed cohort	Selection of the non-exposed control	Ascertainment of exposure	Outcome of interest not present at the start of the study	Age, sex, marital status	Additional factor	Assessment of outcomes	Sufficient follow-up time	Adequacy of follow-up	Total (9/9)
1	Wu et al[28]	2023	*	*	*	*	0	*	*	*	0	7/9