

Supplementary Table IA. Search strategy for PubMed

PCOS	Mesh term: Polycystic Ovary Syndrome Keywords: PCOS, polycystic ovarian syndrome, stein-leventhal syndrome, polycystic ovarian disease
SGLT2 inhibitor	MeSH Term: Sodium-glucose cotransporter-2 inhibitor Keywords: SGLT-2i, Empagliflozin, Dapagliflozin, Canagliflozin, Ertugliflozin, Licogliflozin, Bexagliflozin
Search block 1	"Polycystic Ovary Syndrome"[MeSH Terms] OR "polycystic ovarian syndrome"[Title/Abstract] OR "Polycystic ovarian disease"[Title/Abstract] OR "stein-leventhal syndrome"[Title/Abstract] OR PCOS[Title/Abstract]
Search block 2	"Sodium-glucose cotransporter-2 inhibitor"[MeSH Terms] OR SGLT-2i [Title/Abstract] OR Empagliflozin [Title/Abstract] OR Dapagliflozin [Title/Abstract] OR Canagliflozin [Title/Abstract] OR Ertugliflozin [Title/Abstract] OR Licogliflozin [Title/Abstract] OR Bexagliflozin [Title/Abstract]
Boolean operator between blocks	AND
Filters	Language: English Publication Date: Before November 2024
The Search was exported to Rayyan software to remove duplicates and screen the title and abstract of studies	