

Table S1 Detailed search strategy in PubMed (executed on 31 July 2025)

#	Query	Results
1	("endometrial neoplasms"[MeSH Terms] OR "endometrial cancer"[Title/Abstract] OR "endometrial carcinoma"[Title/Abstract]) AND (2000/1/1:2025/7/31[pdat])	33889
2	("prognosis"[MeSH Terms] OR "prognos"[Title/Abstract] OR "survival"[Title/Abstract]) AND (2000/1/1:2025/7/31[pdat])	2611020
3	("biomarkers"[MeSH Terms] OR "biomarker"[Title/Abstract]) AND (2000/1/1:2025/7/31[pdat])	958284
4	("neutrophils"[MeSH Terms] OR "neutrophil"[Title/Abstract]) AND (2000/1/1:2025/7/31[pdat])	118749
5	("lymphocytes"[MeSH Terms] OR "lymphocyte"[Title/Abstract]) AND (2000/1/1:2025/7/31[pdat])	425150
6	("tumor microenvironment"[MeSH Terms] OR "tumor microenvironment"[Title/Abstract]) AND (2000/1/1:2025/7/31[pdat])	93757
7	("lymphocytes, tumor infiltrating"[MeSH Terms] OR "TILs"[Title/Abstract]) AND (2000/1/1:2025/7/31[pdat])	13313
8	("immune checkpoint inhibitors"[MeSH Terms] OR "immune checkpoint inhibitor"[Title/Abstract]) AND (2000/1/1:2025/7/31[pdat])	25163
9	#1AND#2AND#3	2591
10	#1AND#2AND#3AND#4	29
11	#1AND#2AND#3AND(#4OR#5OR#6OR#7OR#8)	993

Note: Exact results may vary slightly depending on database version.