

Table S1 PubMed detailed search strategy

Searches	Results
((("machine learning"[Title/Abstract] OR "learning machine"[Title/Abstract] OR "transfer learning"[Title/Abstract] OR "deep learning"[Title/Abstract] OR "supervised machine learning"[Title/Abstract] OR "support vector machine"[Title/Abstract] OR "unsupervised machine learning" [Title/Abstract] OR "artificial intelligence"[Title/Abstract] OR "AI"[Title/Abstract]) AND ("inflammatory bowel disease"[Title/Abstract] OR "colitis ulcerative"[Title/Abstract] OR "crohn disease"[Title/Abstract] OR "crohn's enteritis"[Title/Abstract] OR "regional enteritis"[Title/Abstract] OR "crohns disease"[Title/Abstract] OR "crohn's disease"[Title/Abstract] OR "idiopathic proctocolitis"[Title/Abstract] OR "ulcerative colitis"[Title/Abstract] OR "colitis gravis"[Title/Abstract] OR "inflammatory bowel disease"[Title/Abstract] OR "ulcerative colitis type"[Title/Abstract] OR "IBD"[Title/Abstract]) AND ("classification"[Title/Abstract] OR "subtypes"[Title/Abstract] OR "differentiate"[Title/Abstract] OR "distinguish"[Title/Abstract] OR "types"[Title/Abstract] OR "type"[Title/Abstract] OR "cluster"[Title/Abstract] OR "clusters"[Title/Abstract] OR "patterns"[Title/Abstract] OR "Patterns"[Title/Abstract] OR "Patterns"[Title/Abstract] OR "subgroups"[Title/Abstract] OR "subgroups"[Title/Abstract] OR "subset"[Title/Abstract] OR "hypotype"[Title/Abstract] OR "typing"[Title/Abstract] OR ("benign"[Title/Abstract] AND "malignant"[Title/Abstract]) OR "classified"[Title/Abstract] OR "classify"[Title/Abstract] OR "subphenotypes"[Title/Abstract]) OR "detecting"[Title/Abstract])) AND (2000/1/1:2024/11/28[pdat])	426