

Appendix 1

Search strategy

Database searches ran on 2024-04-01

PubMed		
Query	Filters	Search details
((“end stage liver disease/mortality”[mesh] OR “liver cirrhosis/mortality”[mesh]) OR (“end stage liver disease”[tiab] OR “cirrho*”[tiab]) AND (“mortality”[mesh] OR “mortality”[tiab] OR “death*”[tiab] OR “surviv*”[tiab])) AND (“Machine learning”[mesh] OR “machine learning”[title] OR “deep learning”[title] OR “artificial intelligence”[mesh] OR “artificial intelligence”[title] OR “AI”[title]) NOT (“review”[publication type] OR “comment”[publication type] OR “editorial”[publication type] OR “systematic review”[publication type] OR “review”[publication type] OR “meta-analysis”[publication type])	Filters applied: English	((“end stage liver disease/mortality”[MeSH Terms] OR “liver cirrhosis/mortality”[MeSH Terms] OR (“end stage liver disease”[Title/Abstract] OR “cirrho*”[Title/Abstract]) AND (“mortality”[MeSH Terms] OR “mortality”[Title/Abstract] OR “death*”[Title/Abstract] OR “surviv*”[Title/Abstract])) AND (“Machine learning”[MeSH Terms] OR “Machine learning”[Title] OR “deep learning”[Title] OR “artificial intelligence”[MeSH Terms] OR “artificial intelligence”[Title] OR “AI”[Title]) NOT (“review”[Publication Type] OR “comment”[Publication Type] OR “editorial”[Publication Type] OR “systematic review”[Publication Type] OR “review”[Publication Type] OR “meta-analysis”[Publication Type])) AND (english[Filter])
CINAHL		
Query	Limiters/expanders	Last run via
((MH“liver failure+/MO” OR MH“liver cirrhosis+/MO”) OR ((TI“end stage liver disease” OR AB“end stage liver disease” OR TI“cirrho*” OR AB“cirrho*”) AND (MH“mortality” OR TI“mortality” OR AB“mortality” OR TI“death*” OR AB“death*” OR TI“surviv*” OR AB“surviv*”))) AND (MH“Machine learning+” OR TI“machine learning” OR MH“deep learning+” OR TI“deep learning” OR MH“artificial intelligence+” OR TI“artificial intelligence” OR TI“AI”) NOT (PT“commentary” OR PT“conference paper” OR PT“conference proceeding” OR PT“editorial” OR PT“letter to the editor” OR PT“meta analysis” OR PT“proceeding” OR PT“proceedings OR PT“review” OR PT“systematic review”)	Limiters - English Language, Research article Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - CINAHL Ultimate
Cochrane		
Query	Limiters/expanders	Last run via
((MH“end stage liver disease” OR MH“liver cirrhosis” OR TI“end stage liver disease” OR AB“end stage liver disease” OR TI“cirrho*” OR AB“cirrho*”) AND (MH“mortality” OR TI“mortality” OR AB“mortality” OR TI“death*” OR AB“death*” OR TI“surviv*” OR AB“surviv*”)) AND (MH“machine learning” OR MH“artificial intelligence” OR TI“machine learning” OR TI“deep learning” OR TI“artificial intelligence” OR TI“AI”) NOT (TP“comment” OR TP“editorial” OR TP“systematic review” OR TP“review” OR TP“meta-analysis”)	Expanders - Apply equivalent subjects Search modes - Boolean/Phrase	Interface - EBSCOhost Research Databases Search Screen - Advanced Search Database - Cochrane Central Register of Controlled Trials