Database: PubMed				
1. We identified the main concepts or keywords in this topic. Then, we included some synonyms for keywords				
	Main keywords		*Related terms*		*Related terms*

	Main keywords		*Related terms*		*Related terms*
Main keyword 1	ECMO	OR	*Extracorporeal life support*	OR	*Extracorporeal membrane oxygenation*
	AND				
Main keyword 2	*Anticoagulation*	OR	*Thrombosis*	OR	*Clotting*
	OR				
	Hemostasis	OR	*Management*	OR	*Anticoagulation treatment*
	OR				
	Bleeding	OR	*Heparin*	OR	*Anticoagulant*

2. We combined the search terms using AND - OR.
We included the following Medical Subject Headings (MeSH) terms: ECMO OR extracorporeal life support OR extracorporeal membrane oxygenation AND anticoagulation OR thrombosis OR clotting OR heparin OR hemostasis OR management OR anticoagulation treatment OR anticoagulant OR bleeding
3. We also used phrase searching.

Example: "ECMO anticoagulation"	Example: "ECMO bleeding"

We searched for different word endings.
"anticoagulation" - "anticoagulant"
4. We narrowed the search when necessary, using "AND" between terms
5. We re-sorted the search results by relevance and most recent when too many results were displayed.
6. We used the database's thesaurus to build searches of MeSH terms.

Main concept	Synonyms/related terms	PubMed MeSH term
ECMO	Extracorporeal life support	Extracorporeal membrane oxygenation

7. We used analysis tools offered by each database with the help of a librarian

Figure S1 Example of search strategy in PubMed database. ECMO, extracorporeal membrane oxygenation.