

Appendix II Search strategy (search data 2023.04.01)

PubMed

		Results
#1	"Hernia"[Mesh] OR Herni*[Title/Abstract] OR "Herniorrhaphy"[Mesh] OR Herniorrhaphy[Title/Abstract] OR ((Abdominal wall[Title/Abstract] OR Abdominal wall[Mesh] OR Ventral[Title/Abstract] OR Umbilical Incisional[Title/Abstract] OR foraminal[Title/Abstract] OR Diaphragm[Title/Abstract] OR Diaphragm[Mesh]) AND (defect*[Title/Abstract] OR repai*[Title/Abstract]))	
#2	adhesion*[Text Word] OR synechia[Text Word] OR adhere[Text Word] OR lentor[Text Word] OR anchylo[Text Word] OR accretion[Text Word] OR join[Text Word] OR concretion[Text Word] OR adherence[Text Word] OR affixion[Text Word] OR blocking[Text Word] OR syncretio[Text Word]	
#3	Search filter of animal studies for PubMed [1]	
#4	1 AND 2 AND 3	
#5	"letter"[publication type] OR "comment"[publication type] OR "editorial"[publication type] OR review [publication type]	
#6	4 NOT 5	1064

Web of science

		Results
#1	TS=(Herni* OR Herniorrhaphy) OR (TI=(Abdominal wall OR Ventral OR Umbilical Incisional OR foraminal OR Diaphragm) AND TI=(defect* OR repai*))	
#2	TS=(adhesion*[Text Word] OR synechia[Text Word] OR adhere[Text Word] OR lentor[Text Word] OR anchylo[Text Word] OR accretion[Text Word] OR join[Text Word] OR concretion[Text Word] OR adherence[Text Word] OR affixion[Text Word] OR blocking[Text Word] OR syncretio[Text Word])	
#3	TS=(anima* or preclinical or nonhuman or rat* or mice or mouse or pig* or rabbit* or swine* or dog* or canine or sheep* or goat* or horse* or oranguta* or monkey or cow or cattle)	
#4	1 AND 2 AND 3	1494

Ovid-Embase

	Embase	Results
#1	exp hernia/ OR exp herniorrhaphy/	
#2	(Herni* or Herniorrhaphy or ((Abdominal wall or Ventral or Umbilical Incisional or foraminal or Diaphragm) and (defect* or repai*))).mp.	
#3	1 OR 2	
#4	(adhesion*or synechia[Text Word] or adhere or lentor or anchylo or accretion or join or concretion or adherence or affixion or blocking or syncretio).af.	
#5	Search filter of animal studies for Embase [2]	
#6	3 AND 4 AND 5	
#7	(conference abstract or conference paper or conference review or review or editorial or letter or note).pt.	
#8	6 NOT 7	956

China National Knowledge Infrastructure Database (CNKI)

	CNKI	Results
#1	(SU %= Hernia OR SU %= Abdominal wall defect) AND (SU %= Adhesion OR SU %= Adherence OR SU %= Attachment OR SU %= Bonding) AND (SU %= Animal OR SU %= Preclinical OR SU %= Mouse	

	OR SU %= Rabbit OR SU %= Dog OR SU %= Canine OR SU %= Sheep OR SU %= Monkey OR SU %= Gorilla OR SU %= Horse OR SU %= Cow OR SU %= Pig)	122
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Wanfang Database

	Wanfang	Results
#1	Theme: (Hernia OR Abdominal wall defect) AND all: (Adhesion OR Bonding OR Attachment OR Adherence) AND theme: (Animal OR Mouse OR Rabbit OR Dog OR Canine OR Sheep OR Monkey OR Gorilla OR Horse OR Cow OR Pig)	190

Chinese Scientific Journals Full-Text Database

	Chinese Scientific Journals Full-Text	Results
#1	M = (Hernia OR Abdominal wall defect) AND U = (Adhesion OR Bonding OR Attachment OR Adherence) AND M = (Animal OR Preclinical OR Mouse OR Rabbit OR Dog OR Canine OR Sheep OR Monkey OR Gorilla OR Horse OR Cow OR Pig)	13

China Biological Medicine Database (CBM)

	China Biological Medicine	Results
#1	("Hernia"[Common Field: Intelligent] OR "Abdominal wall defect"[Common Field: Intelligent]) AND ("Adhesion"[Common Field: Intelligent] OR "Bonding"[Common Field: Intelligent] OR "Attachment"[Common Field: Intelligent] OR "Adherence"[Common Field: Intelligent]) AND ("Animal"[Common Field: Intelligent] OR "Preclinical"[Common Field: Intelligent] OR "Mouse"[Common Field: Intelligent] OR "Rabbit"[Common Field: Intelligent] OR "Dog"[Common Field: Intelligent] OR "Canine"[Common Field: Intelligent] OR "Sheep"[Common Field: Intelligent] OR "Monkey"[Common Field: Intelligent] OR "Gorilla"[Common Field: Intelligent] OR "Horse"[Common Field: Intelligent] OR "Cow"[Common Field: Intelligent] OR "Pig"[Common Field: Intelligent])	145

Reference

- [1] Hooijmans CR, Tillema A, Leenaars M, Ritskes-Hoitinga M. Enhancing search efficiency by means of a search filter for finding all studies on animal experimentation in PubMed. *Lab Anim.* 2010;44(3):170-175. doi:10.1258/la.2010.009117
- [2] de Vries RB, Hooijmans CR, Tillema A, Leenaars M, Ritskes-Hoitinga M. A search filter for increasing the retrieval of animal studies in Embase. *Lab Anim.* 2011;45(4):268-270. doi:10.1258/la.2011.01105