

B.1 Clinical search literature search strategy

Searches were constructed using a PICO framework where population (P) terms were combined with Intervention (I) and in some cases Comparison (C) terms. Outcomes (O) are rarely used in search strategies as these concepts may not be indexed or described in the title or abstract and are therefore difficult to retrieve. Search filters were applied to the search where appropriate.

Table 8: Database parameters, filters and limits applied

Database	Dates searched	Search filter used
Medline (OVID) Medline in process (OVID) Medline e pubs	01-01-2013 -09-02-2024 01-01-2013 -09-02-2024 Searched 09-02-2024	Prognostic studies Exclusions (animal studies, letters, comments, editorials, case studies/reports) English language
Embase (OVID)	01-01-2013 -09-02-2024	Prognostic studies Exclusions (animal studies, letters, comments, editorials, case studies/reports, conference abstracts) English language
The Cochrane Library (Wiley)	Cochrane Reviews 2013 to 2024 Issue 2 of 12	
Epistemonikos (The Epistemonikos Foundation)	No date limits applied (searched 09/02/2024)	

Medline (Ovid) search terms

1.	exp Acute Kidney Injury/
2.	((acute or early) adj1 (kidney or renal) adj2 (failure* or injur* or insufficien* or dysfunction* or impair* or damag* or trauma* or necrosis)).tw.
3.	((acute or early) and (kidney or renal) and (failure* or injur* or insufficien* or dysfunction* or impair* or damag* or trauma* or necrosis)).kf.
4.	or/1-3
5.	exp Contrast Media/
6.	Iodine/
7.	5 and 6

8.	((contrast or radio* or media or intraven* or intraart* or intra-art*) adj4 iodin*).tw.
9.	((contrast or radio* or media or intraven* or intraart* or intra-art*) and iodin*).kf.
10.	or/7-9
11.	glomerular filtration rate/
12.	(glomerular adj1 filtrat*).tw.
13.	(glomerular and filtrat*).kf.
14.	(egfr or gfr).tw,kf.
15.	or/11-14
16.	4 and (10 or 15)
17.	letter/ or editorial/ or news/ or exp historical article/ or anecdotes as topic/ or comment/ or case reports/
18.	(letter or comment*).ti.
19.	17 or 18
20.	randomized controlled trial/ or random*.ti,ab.
21.	19 not 20
22.	animals/ not humans/
23.	exp Animals, Laboratory/
24.	exp Animal Experimentation/
25.	exp Models, Animal/
26.	exp Rodentia/
27.	(rat or rats or mouse or mice or rodent*).ti.
28.	or/21-27
29.	16 not 28
30.	predict.ti.
31.	(validat* or rule*).ti,ab.
32.	(predict* and (outcome* or risk* or model*)).ti,ab.
33.	((history or variable* or criteria or scor* or characteristic* or finding* or factor*) and (predict* or model* or decision* or identif* or prognos*)).ti,ab.
34.	decision*.ti,ab. and Logistic models/
35.	(decision* and (model* or clinical*)).ti,ab.
36.	(prognostic and (history or variable* or criteria or scor* or characteristic* or finding* or factor* or model*)).ti,ab.
37.	(stratification or discrimination or discriminate or c statistic or "area under the curve" or AUC or calibration or indices or algorithm or multivariable).ti,ab.
38.	ROC curve/
39.	or/30-38
40.	29 and 39
41.	limit 40 to english language/

Embase (Ovid) search terms

1.	exp acute kidney failure/
2.	((acute or early) adj1 (kidney or renal) adj2 (failure* or injur* or insufficien* or dysfunction* or impair* or damag* or trauma* or necrosis)).tw.
3.	((acute or early) and (kidney or renal) and (failure* or injur* or insufficien* or dysfunction* or impair* or damag* or trauma* or necrosis)).kf.
4.	or/1-3
5.	iodinated contrast medium/
6.	((contrast or radio* or media or intraven* or intraart* or intra-art*) adj4 iodin*).tw.

7.	((contrast or radio* or media or intraven* or intraart* or intra-art*) and iodin*).kf.
8.	or/5-7
9.	exp glomerulus filtration rate/
10.	(glomerular adj1 filtrat*).tw.
11.	(glomerular and filtrat*).kf.
12.	(egfr or gfr).tw,kf.
13.	or/9-12
14.	4 and (8 or 13)
15.	letter.pt. or letter/
16.	note.pt.
17.	editorial.pt.
18.	case report/ or case study/
19.	(letter or comment*).ti.
20.	(conference abstract* or conference review or conference paper or conference proceeding).db,pt,su.
21.	or/15-20
22.	randomized controlled trial/ or random*.ti,ab.
23.	21 not 22
24.	animal/ not human/
25.	nonhuman/
26.	exp Animal Experiment/
27.	exp Experimental Animal/
28.	animal model/
29.	exp Rodent/
30.	(rat or rats or mouse or mice or rodent*).ti.
31.	or/23-30
32.	14 not 31
33.	predict.ti.
34.	(validat* or rule*).ti,ab.
35.	(predict* and (outcome* or risk* or model*)).ti,ab.
36.	((history or variable* or criteria or scor* or characteristic* or finding* or factor*) and (predict* or model* or decision* or identif* or prognos*)).ti,ab.
37.	decision*.ti,ab. and statistical model/
38.	(decision* and (model* or clinical*)).ti,ab.
39.	(prognostic and (history or variable* or criteria or scor* or characteristic* or finding* or factor* or model*)).ti,ab.
40.	(stratification or discrimination or discriminate or c statistic or "area under the curve" or AUC or calibration or indices or algorithm or multivariable).ti,ab.
41.	receiver operating characteristic/
42.	or/33-41
43.	32 and 42
44.	limit 43 to english language/

Cochrane Library (Wiley) search terms

#1.	MeSH descriptor: [Acute Kidney Injury] explode all trees
#2.	((acute or early) near/1 (kidney or renal) near/2 (failure* or injur* or insufficien* or dysfunction* or impair* or damag* or trauma* or necrosis)):ti,ab,kw
#3.	#1 or #2

#4.	MeSH descriptor: [Contrast Media] explode all trees
#5.	MeSH descriptor: [Iodine] explode all trees
#6.	#4 and #5
#7.	((contrast or radio* or media or intraven* or intraart* or intra art*) near/4 iodin*):ti,ab,kw
#8.	#6 or #7
#9.	MeSH descriptor: [Glomerular Filtration Rate] this term only
#10.	((glomerular near/1 filtrat*)):ti,ab,kw
#11.	((egfr or gfr)):ti,ab,kw
#12.	#9 or #10 or #11
#13.	#8 or #12
#14.	#3 and #13

Epistemonikos search terms

1.	(title:(title:(contrast OR radio* OR media OR intraven* OR intraart* OR intra-art*) AND iodin*) OR abstract:(contrast OR radio* OR media OR intraven* OR intraart* OR intra-art*) AND iodin*)) OR abstract:(title:(contrast OR radio* OR media OR intraven* OR intraart* OR intra-art*) AND iodin*) OR abstract:(contrast OR radio* OR media OR intraven* OR intraart* OR intra-art*) AND iodin*)) OR (title:(glomerular AND filtrat*) OR abstract:(glomerular AND filtrat*)) OR (title:(egfr OR gfr) OR abstract:(egfr OR gfr)) AND (title:(acute OR early) AND (kidney OR renal) AND (failure* OR injur* OR insufficien* OR dysfunction* OR impair* OR damag* OR trauma* OR necrosis)) OR abstract:(acute OR early) AND (kidney OR renal) AND (failure* OR injur* OR insufficien* OR dysfunction* OR impair* OR damag* OR trauma* OR necrosis)))
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