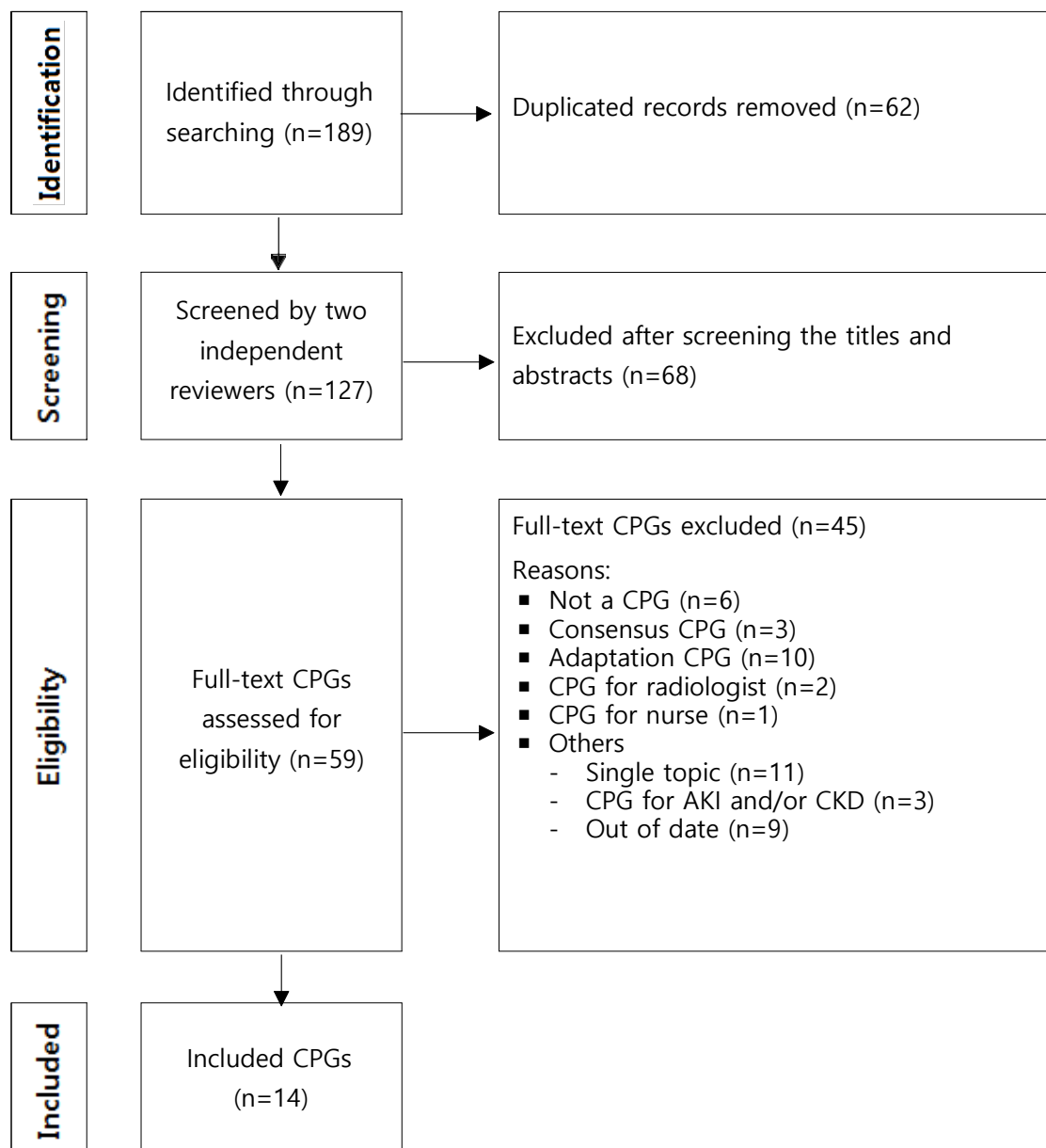


## Supplement 4| Search Strategies

### Selection of guidelines for quality evaluation in the adaptation development process



CPG, Clinical practice guideline; AKI, Acute kidney injury; CKD, Chronic kidney disease

### Key question 1.1.

Searching date: 2020.11.2. Ovid-Medline		
No.	Search terms	Results
1	exp Kidney Failure, Chronic/	94,213
2	(end?sta* kidney OR end?sta* renal OR kidney fail* OR renal fail* OR chronic renal OR chronic kidney OR ESRD OR ESKD OR ESKF).tw.	162,676
3	1 OR 2	210,925
4	exp Renal Dialysis/ OR exp Renal Replacement Therapy/	212,416

5	(hemodialysis OR renal replacement therapy OR HD OR RRT).tw.	104,590
6	4 OR 5	261,084
7	3 AND 6	82,096
8	((hemodialysis or HD) adj2 (initiat* or start* OR timing OR early OR late OR begin*)).tw.	3,032
9	7 AND 8	1,555
10	limit 9 to yr="2017-Current"	356

### Key question 1.2.

Searching date: 2020.11.2. Ovid-Medline		
No.	Search terms	Results
1	exp Kidney Failure, Chronic/	94,213
2	(end?sta* kidney OR end?sta* renal OR kidney fail* OR renal fail* OR chronic renal OR chronic kidney OR ESRD OR ESKD OR ESKF).tw.	162,676
3	1 OR 2	210,925
4	exp Renal Dialysis/ OR exp Renal Replacement Therapy/	212,416
5	(hemodialysis OR renal replacement therapy OR HD OR RRT).tw.	104,590
6	4 OR 5	261,084
7	3 AND 6	82,096
9	exp Arteriovenous Fistula/	14,629
10	(Arteriovenous fistula formation or AVF).tw.	4,745
11	9 OR 10	18,493
12	7 AND 11	1,010
13	limit 12 to yr="2017-Current"	260

### Key question 2.1.

Searching date: 2020.11.2. Ovid-Medline		
No.	Search terms	Results
1	exp Kidney Failure, Chronic/	94,213
2	(end?sta* kidney OR end?sta* renal OR kidney fail* OR renal fail* OR chronic renal OR chronic kidney OR ESRD OR ESKD OR ESKF).tw.	162,676
3	1 OR 2	210,925
4	exp Renal Dialysis/ OR exp Renal Replacement Therapy/	212,416
5	(hemodialysis OR renal replacement therapy OR HD OR RRT).tw.	104,590
6	4 OR 5	261,084
7	3 AND 6	82,096
8	((hemodialysis OR HD) adj2 (dose OR frequency OR time OR duration OR schedule)).tw.	3,808
9	7 AND 8	1,384
10	limit 9 to yr="2018-Current"	157

### Key question 2.2.

Searching date: 2020.11.2. Ovid-Medline		
No.	Search terms	Results
1	exp Kidney Failure, Chronic/	94,213
2	(end?sta* kidney OR end?sta* renal OR kidney fail* OR renal fail* OR chronic renal OR chronic kidney OR ESRD OR ESKD OR ESKF).tw.	162,676
3	1 OR 2	210,925
4	exp Renal Dialysis/ OR exp Renal Replacement Therapy/	212,416

5	(hemodialysis OR renal replacement therapy OR HD OR RRT).tw.	104,590
6	4 OR 5	261,084
7	3 AND 6	82,096
8	(Kt?V OR dialyzer clearance OR dialysis adequa* OR Hemodialysis Kinetic*).tw.	1,246
9	7 AND 8	633
10	limit 9 to yr="2018-Current"	53

### Key question 3.1.

Searching date: 2020.11.2. Ovid-Medline		
No.	Search terms	Results
1	exp Kidney Failure, Chronic/	94,213
2	(end?sta* kidney OR end?sta* renal OR kidney fail* OR renal fail* OR chronic renal OR chronic kidney OR ESRD OR ESKD OR ESKF).tw.	162,676
3	1 OR 2	210,925
4	exp Renal Dialysis/ OR exp Renal Replacement Therapy/	212,416
5	(hemodialysis OR renal replacement therapy OR HD OR RRT).tw.	104,590
6	4 OR 5	261,084
7	3 AND 6	82,096
8	(high?flux OR low?flux OR (membrane adj2 flux) OR (flux adj2 dialyzer)).tw	1,075
9	7 AND 8	176

### Key question 3.2.

Searching date: 2020.11.2. Ovid-Medline		
No.	Search terms	Results
1	exp Kidney Failure, Chronic/	94,213
2	(end?sta* kidney OR end?sta* renal OR kidney fail* OR renal fail* OR chronic renal OR chronic kidney OR ESRD OR ESKD OR ESKF).tw.	162,676
3	1 OR 2	210,925
4	exp Renal Dialysis/ OR exp Renal Replacement Therapy/	212,416
5	(hemodialysis OR renal replacement therapy OR HD OR RRT).tw.	104,590
6	4 OR 5	261,084
7	3 AND 6	82,096
8	exp Hemodiafiltration/ OR (Hemodiafiltration OR HDF).tw.	4,528
9	7 AND 8	1,331
10	limit 9 to yr="2018-Current"	128

### Key question 4.1.

Searching date: 2020.11.2. Ovid-Medline		
No.	Search terms	Results
1	exp Kidney Failure, Chronic/	94,213
2	(end?sta* kidney OR end?sta* renal OR kidney fail* OR renal fail* OR chronic renal OR chronic kidney OR ESRD OR ESKD OR ESKF).tw.	162,676
3	1 OR 2	210,925
4	exp Renal Dialysis/ OR exp Renal Replacement Therapy/	212,416
5	(hemodialysis OR renal replacement therapy OR HD OR RRT).tw.	104,590
6	4 OR 5	261,084
7	3 AND 6	82,096

8	(bleeding OR anticoagulat* OR hemorrhag* OR heparin).tw.	474,832
9	exp Heparin, Low-Molecular-Weight/	12,847
10	(low?molecular weight heparin OR LMWH).tw.	4,889
11	9 OR 10	14,156
12	7 AND 8 AND 11	162

### Key question 4.2.

Searching date: 2020.11.2. Ovid-Medline		
No.	Search terms	Results
1	exp Kidney Failure, Chronic/	94,213
2	(end?sta* kidney disease OR end?sta* kidney disease OR end?sta* kidney fail* OR kidney fail* OR renal fail* OR chronic renal OR chronic kidney OR ESRD OR ESKD OR ESKF).tw.	162,676
3	1 OR 2	210,925
4	exp Renal Dialysis/ OR exp Renal Replacement Therapy/	212,416
5	(hemodialysis OR renal replacement therapy OR HD OR RRT).tw.	104,590
6	4 OR 5	261,084
7	3 AND 6	82,096
8	Nafamostat.tw.	531
9	7 AND 8	31

### Key question 5.1.

Searching date: 2020.11.3. Ovid-Medline		
No.	Search terms	Results
1	exp Kidney Failure, Chronic/	94,213
2	(end?sta* kidney OR end?sta* renal OR kidney fail* OR renal fail* OR chronic renal OR chronic kidney OR ESRD OR ESKD OR ESKF).tw.	162,676
3	1 OR 2	210,925
4	exp Renal Dialysis/ OR exp Renal Replacement Therapy/	212,416
5	(hemodialysis OR renal replacement therapy OR HD OR RRT).tw.	104,590
6	4 OR 5	261,084
7	3 AND 6	82,096
8	(interdialy* weight gain OR IDWG OR dry weight OR fluid balance OR volume control OR weight gain OR (control* adj2 weight)).tw.	102,849
9	7 AND 8	1,190
10	limit 9 to yr="2014-Current"	359

### Key question 5.2.

Searching date: 2020.11.3. Ovid-Medline		
No.	Search terms	Results
1	exp Kidney Failure, Chronic/	94,213
2	(end?sta* kidney OR end?sta* renal OR kidney fail* OR renal fail* OR chronic renal OR chronic kidney OR ESRD OR ESKD OR ESKF).tw.	162,676
3	1 OR 2	210,925
4	exp Renal Dialysis/ OR exp Renal Replacement Therapy/	212,416
5	(hemodialysis OR renal replacement therapy OR HD OR RRT).tw.	104,590
6	4 OR 5	261,084

7	3 AND 6	82,096
8	((dialysate adj2 sodium) OR sodium concentrat* OR low sodium OR low Na).tw.	11,092
9	7 AND 8	247
10	limit 9 to yr="2005-Current"	145

### Key question 6.1.

Searching date: 2020.11.3. Ovid-Medline		
No.	Search terms	Results
1	exp Kidney Failure, Chronic/	94,213
2	(end?sta* kidney OR end?sta* renal OR kidney fail* OR renal fail* OR chronic renal OR chronic kidney OR ESRD OR ESKD OR ESKF).tw.	162,676
3	1 OR 2	210,925
4	exp Renal Dialysis/ OR exp Renal Replacement Therapy/	212,416
5	(hemodialysis OR renal replacement therapy OR HD OR RRT).tw.	104,590
6	4 OR 5	261,084
7	3 AND 6	82,096
8	((blood pressure OR BP) adj2 (monitor* OR control*)) OR 140 mmHg).tw.	35,955
9	7 AND 8	892
10	limit 9 to yr="2017-Current"	131

### Key question 6.2.

Searching date: 2020.11.3. Ovid-Medline		
No.	Search terms	Results
1	exp Kidney Failure, Chronic/	94,213
2	(end?sta* kidney OR end?sta* renal OR kidney fail* OR renal fail* OR chronic renal OR chronic kidney OR ESRD OR ESKD OR ESKF).tw.	162,676
3	1 OR 2	210,925
4	exp Renal Dialysis/ OR exp Renal Replacement Therapy/	212,416
5	(hemodialysis OR renal replacement therapy OR HD OR RRT).tw.	104,590
6	4 OR 5	261,084
7	3 AND 6	82,096
8	(dialysate adj2 temperature).tw.	129
9	7 AND 8	45

### Key question 7.1.

Searching date: 2020.11.3. Ovid-Medline		
No.	Search terms	Results
1	exp Kidney Failure, Chronic/	94,213
2	(end?sta* kidney OR end?sta* renal OR kidney fail* OR renal fail* OR chronic renal OR chronic kidney OR ESRD OR ESKD OR ESKF).tw.	162,676
3	1 OR 2	210,925
4	exp Renal Dialysis/ OR exp Renal Replacement Therapy/	212,416
5	(hemodialysis OR renal replacement therapy OR HD OR RRT).tw.	104,590
6	4 OR 5	261,084
7	3 AND 6	82,096
8	((hemodialysis OR HD) adj2 (Adequacy OR Kt?V OR dose OR frequency OR interval OR Blood sampling OR management OR evaluation OR monitoring OR spKt?V)).tw.	2,747

9	7 AND 8	670
10	limit 9 to yr="2017-Current"	74

### Key question 8.1.

Searching date: 2020.11.3. Ovid-Medline		
No.	Search terms	Results
1	exp Kidney Failure, Chronic/	94,213
2	(end?sta* kidney OR end?sta* renal OR kidney fail* OR renal fail* OR chronic renal OR chronic kidney OR ESRD OR ESKD OR ESKF).tw.	162,676
3	1 OR 2	210,925
4	exp Renal Dialysis/ OR exp Renal Replacement Therapy/	212,416
5	(hemodialysis OR renal replacement therapy OR HD OR RRT).tw.	104,590
6	4 OR 5	261,084
7	3 AND 6	82,096
8	exp Aged/ OR (aged OR elder OR old).tw.	4,390,202
9	(nondialytic or conservative treat* or palliative care or conservative manage* or end of life or Palliative care).tw.	90,590
10	8 AND 9	31,684
11	7 AND 10	478
12	limit 11 to yr="2018-Current"	69

### Key question 8.2.

Searching date: 2020.11.3. Ovid-Medline		
No.	Search terms	Results
1	exp Kidney Failure, Chronic/	94,213
2	(end?sta* kidney OR end?sta* renal OR kidney fail* OR renal fail* OR chronic renal OR chronic kidney OR ESRD OR ESKD OR ESKF).tw.	162,676
3	1 OR 2	210,925
4	exp Renal Dialysis/ OR exp Renal Replacement Therapy/	212,416
5	(hemodialysis OR renal replacement therapy OR HD OR RRT).tw.	104,590
6	4 OR 5	261,084
7	3 AND 6	82,096
8	exp Child/ OR exp Pediatrics/ OR (child* OR pediatric*).tw.	2,493,496
9	((nurse* OR nursing) and staff*).tw	47,896
10	(nurse?patient ratio* OR (nurse adj2 patient ratio*)).tw.	531
11	8 AND (9 OR 10)	4,947
12	7 AND 11	14

Searching date: 2020.11.3. Ovid-EMBASE		
No.	Search terms	Results
1	exp chronic kidney failure/	99,604
2	(end?sta* kidney OR end?sta* renal OR kidney fail* OR renal fail* OR chronic renal OR chronic kidney OR ESRD OR ESKD OR ESKF).tw.	242,360
3	1 OR 2	276,820
4	exp hemodialysis/ OR exp renal replacement therapy/	191,187
5	(hemodialysis OR renal replacement therapy OR HD OR RRT).tw.	155,163

6	4 OR 5	255,906
7	3 AND 6	74,325
8	exp child/ OR exp pediatrics/ OR (child* OR pediatric*).tw.	3,261,763
9	((nurse* OR nursing) and staff*).tw	69,708
10	(nurse?patient ratio* OR (nurse adj2 patient ratio*)).tw.	701
11	8 AND (9 OR 10)	9,709
12	7 AND 11	30
Searching date: 2020.11.3. Cochrane Library		
No.	Search terms	Results
1	[mh "Kidney Failure, Chronic"]	4,681
2	("end?sta* kidney" OR "end?sta* renal" OR "kidney fail*" OR "renal fail*" OR "chronic renal" OR "chronic kidney" OR ESRD OR ESKD OR ESKF)	13,062
3	1 OR#2	14,956
4	[mh "Renal Dialysis"] OR [mh "Renal Replacement Therapy"]	9,036
5	(hemodialysis OR "renal replacement therapy" OR HD OR RRT)	20,495
6	4 OR 5	25,432
7	3 AND 6	6,200
8	[mh Child] OR [mh Pediatrics] OR (child* OR pediatric*)	192,873
9	((nurse* OR nursing) and staff*)	7,233
10	("nurse?patient ratio*" OR (nurse NEAR/2 patient ratio*))	192
11	8 AND (9 OR 10)	1,804
12	7 AND 11	12