

Appendix A: PubMed Search Strategy

Search #	String
1	"Kidney Diseases"[Mesh] OR "Renal Dialysis"[Mesh] OR renal[tiab] OR kidney[tiab] OR nephro*[tiab] OR hemodialysis[tiab] OR haemodialysis[tiab]
2	Biopsy[Mesh] OR "Bone Density"[Mesh] OR "bone mineral density"[tiab] OR "x-ray absorptiometry"[tiab] OR DXA[tiab]
3	Alendronate[Mesh] OR "Etidronic Acid"[Mesh] OR Teriparatide[Mesh] OR Raloxifene[Mesh] OR bisphosphonate*[tiab] OR pamidronate[tiab] OR alendronate[tiab] OR teriparatide[tiab] OR raloxifene[tiab] OR denosumab[tiab] OR risedronate[tiab]
4	Calcium/blood[Mesh] OR Parathyroid Hormone[Mesh] OR Phosphorus/blood[Mesh] OR (serum[tiab] AND (phosphorus[tiab] OR calcium[tiab] OR PTH[tiab] OR "parathyroid hormone"[tiab] OR phosphate[tiab]))
5	"Calcium Carbonate"[Mesh] OR "Calcium Citrate"[Mesh] OR Lanthanum[Mesh] OR "aluminum hydroxide"[tiab] OR "calcium acetate"[tiab] OR "calcium carbonate"[tiab] OR "calcium citrate"[tiab] OR "calcium ketoglutarate"[tiab] OR "calcium gluconate"[tiab] OR "ferric citrate"[tiab] OR "magnesium/calcium carbonate"[tiab] OR "magnesium carbonate/calcium acetate"[tiab] OR sevelamer[tiab] OR lanthanum[tiab] OR "sucroferric oxyhydroxide"[tiab] OR ((phosphorus* OR phosphate*[tiab]) AND (binder*[tiab] OR binding*[tiab]))
6	"Phosphorus, dietary"[Mesh] OR (diet*[tiab] AND (phosphate[tiab] OR phosphorus[tiab]) AND (restrict*[tiab] OR limit*[tiab]))
7	"Vitamin D"[Mesh] OR "vitamin D"[tiab] OR cholecalciferol*[tiab] OR ergocalciferol*[tiab] OR ercalcidiol*[tiab] OR calcidiol*[tiab] OR calcitriol*[tiab] OR doxercalciferol*[tiab] OR paricalcitol*[tiab] OR alfacalcidol*[tiab] OR falecalcitriol*[tiab] OR maxacalcitol*[tiab]
8	#1 AND #2
9	#1 AND #3
10	#1 AND #4
11	#1 AND #5
12	#1 AND #6
13	#1 AND #7
14	#8 OR #9 OR #10 OR #11 OR #12 OR #13
15	#14 AND ("systematic review"[ti] OR "meta-analysis"[ti])
16	#14 NOT #15
17	#16 AND English[lang] NOT (animal[mh] NOT human[mh])
18	#17 Filters: Publication date from 2006/12/01
19	#15 AND English[lang] NOT (animal[mh] NOT human[mh]) Filters: Publication date from 2006/12/01

Appendix B: Summary of Search and Review Process

