**Supplementary Appendix**. Search strategy for meta-analysis

Electronic searches were performed in the following databases to identify eligible studies

1. SCOPUS (n=4,486)

2. Web of science (n=3,021)

3. PubMed (n=1,015)

There were no language or publication period limitations.

SCOPUS

TITLE-ABS-KEY ((metastatic)OR (advanced) AND (renal cell carcinoma) OR (renal cancer) OR (kidney cancer) AND (randomized) OR (randomly))

Web of science

#1 (TS=(metastatic)) OR TS=(advanced)

#2 ((TS=(renal cell carcinoma)) OR TS=(renal cancer)) OR TS=(kidney cancer)

#3 (TS=(randomized)) OR TS=(randomly)

#4 #1 AND #2 AND #3

PubMed

#1 Search: (metastatic[Title/Abstract]) OR (advanced[Title/Abstract]) Sort by: Most Recent

#2 Search: ((renal cell carcinoma[Title/Abstract]) OR (renal cancer[Title/Abstract])) OR (kidney cancer[Title/Abstract]) Sort by: Most Recent

#3 Search: (randomized[Title/Abstract]) OR (randomly[Title/Abstract]) Sort by: Most Recent

#4 Search: ((#1) AND (#2)) AND (#3) Sort by: Most Recent