

**Table S1.** The queries and results of electronic search on PubMed, Embase, and Cochrane Library.

<b>PubMed; Date: 27 August 2020</b>			
<b>PICOS</b>	<b>#</b>	<b>Search Queries</b>	<b>Articles #</b>
P-KQ1	1	((Prostatic Neoplasms[MeSH Terms]) OR (prostat* AND (tumor OR tumour OR cancer OR carcinoma OR malignan* OR neoplasm*))) [All Fields]	186,341
I	2	((Positron-Emission Tomography[MeSH Terms]) OR ("positron-emission tomography" OR "positron emission tomography" OR PET OR PET?CT OR PET/CT OR PET-CT OR PET?MRI OR PET?MR OR PET/MRI OR PET/MR OR PET-MRI OR PET-MR)) [All Fields]	135,539
	3	(PSMA OR "prostate specific membrane antigen") [All Fields]	2,428
I-KQ1	4	#2 AND #3 Sangwon Han:	1,790
P&I KQ1	5	#1 AND #4	1,675
O	6	response [All Fields]	2,813,142
KQ1 limit	7	#5 AND #6	217
case report	8	Case Reports [Publication Type]	
Final KQ1	9	#7 NOT #8	189
<b>Embase; Date: 27 August 2020</b>			
<b>PICOS</b>	<b>#</b>	<b>Search Queries</b>	<b>Articles #</b>
P-KQ1	1	"prostate cancer"/mj OR (prostat* AND (tumor OR tumour OR cancer OR carcinoma OR malignan* OR neoplasm*)):ti,ab,kw	245,505
I	2	"positron emission tomography"/exp OR ("positron-emission tomography" OR "positron emission tomography" OR PET OR "PET CT" OR PET*CT OR PET-CT OR "PET MRI" OR "PET MR" OR PET*MRI OR PET*MR OR PET-MRI OR PET-MR):ti,ab,kw	249,576
	3	(PSMA OR "prostate specific membrane antigen"):ti,ab,kw	6,746
I-KQ1	4	#2 AND #3	3,807
P&I KQ1	5	#1 AND #4	3,503
O	6	response:ti,ab,kw	2,720,005
KQ1 limit	7	#5 AND #6	517
Final KQ1	8	#7 AND ('article'/it OR 'article in press'/it OR 'review'/it)	203
<b>Cochrane Library; Date: 27 August 2020</b>			
<b>PICOS</b>	<b>#</b>	<b>Search queries</b>	<b>Articles #</b>
P	1	(prostat* AND (tumor OR tumour OR cancer OR carcinoma OR malignan* OR neoplasm*))	15,920
	2	MeSH descriptor: [Prostatic Neoplasms] explode all trees	5,472
P-KQ1	3	#1 OR #2	15,920
I	4	("positron emission tomography" OR PET OR "PET CT" OR PET*CT OR PET-CT OR "PET MRI" OR "PET MR" OR PET*MRI OR PET*MR OR PET-MRI OR PET-MR)	8,050
	5	MeSH descriptor: [Positron-Emission Tomography] explode all trees	980
	6	#4 OR #5	8,050
	7	(PSMA OR "prostate specific membrane antigen")	226
I-KQ1	8	#6 AND #7	146
P&I-KQ1	9	#3 AND #8	144
O-KQ1	10	response	232,215

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KQ1 limit	<b>11</b>	#9 AND #10	48
Final KQ1	<b>12</b>	#16 AND Cochrane Review, Trial	45

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