

Table SI. Search strategy in PubMed, Embase and Web of Science.

Database	Search strategy
PubMed (n=2035)	(‘Positron-Emission Tomography’[Mesh] OR ‘PET’[Title/Abstract] OR ‘Positron Emission Tomography Imaging’[Title/Abstract] OR ‘PET Scan’[Title/Abstract] OR ‘PET Imaging’[Title/Abstract]) AND(‘Prostate Specific Membrane Antigen ‘[Mesh] OR ‘PSMA’[Title/Abstract]) AND (‘Prostatic Neoplasms’[Mesh] OR ‘Prostatic Cancers’[Title/Abstract] OR ‘Prostatic Cancer’[Title/Abstract] OR ‘Prostatic Neoplasm’[Title/Abstract] OR ‘Prostate Neoplasms’[Title/Abstract] OR ‘Prostate tumor’[Title/Abstract])
Embase (n=6393)	(‘Positron-Emission Tomography’/exp OR ‘PET’:ab,ti OR ‘Positron Emission Tomography Imaging’:ab,ti OR ‘PET Scan’:ab,ti OR ‘PET Imaging’:ab,ti) AND (‘Prostate Specific Membrane Antigen’/exp OR ‘PSMA’:ab,ti) AND (‘Prostatic Neoplasms’/exp OR ‘Prostatic Cancers’:ab,ti OR ‘Prostatic Cancer’:ab,ti OR ‘Prostatic Neoplasm’:ab,ti OR ‘Prostate Neoplasms’:ab,ti OR ‘Prostate tumor’:ab,ti)
Web of Science (n=1324)	((TS=(Positron-Emission Tomography OR PET OR Positron Emission Tomography Imaging OR PET Scan OR PET Imaging)) AND TS=(Prostate Specific Membrane Antigen OR PSMA)) AND TS=(Prostatic Neoplasms OR Prostatic Cancers OR Prostatic Cancer OR Prostatic Neoplasm OR Prostate Neoplasms OR Prostate tumor)

The notation ‘:ab,ti’, typically used in Embase database search queries, stands for searching within abstracts and titles of documents.