Set 1: PCa scope RCTs and SRs (n=1246)

Database: Embase <1974 to 2025 April 25>, Ovid MEDLINE(R) ALL <1946 to April 25, 2025>

Search Strategy:

1 exp *Prostatic Neoplasms/ (345333)
2 exp *prostate cancer/ (324587)
3 (prostat* and (cancer* or carcinoma* or malignan* or tumor* or tumour* or neoplas*)).ti. (307888)
4 "PCa".tw. and Prostat*.ti. (54889)
5 or/1-4 (384160)
6 limit 5 to english language (354112)
7 (exp animals/ or exp animal/) not (humans/ or human/) (11230229)
8 ((rat or rats or mice or mouse or swine or porcine or murine or sheep or lambs or pigs or piglets or rabbit or rabbits or cat or cats or dog or dogs or cattle or bovine or monkey or monkeys or trout or marmoset$1 or basic research or cell lines or in vitro or animal model or canine) not (human* or men or women or patients or participants)).tw. (8397745)
9 (child/ or Pediatrics/ or Adolescent/ or Infant/ or adolescence/ or newborn/ or (baby or babies or child or children or pediatric* or paediatric* or peadiatric* or infant* or infancy or neonat* or newborn* or new born* or adolescen* or preschool or pre-school or toddler*).tw.) not (adult/ or aged/ or (aged or adult* or elder* or senior* or men or women).tw.) (5162484)
10 (conference abstract or Conference Review).pt. (5469571)
11 case report/ or case reports/ or (case report or a case of or a rare case or case series).ti. (6125227)
12 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (5801980)
13 or/7-12 (32167567)
14 6 not 13 (235272)
15 (testosterone replacement or benign prostatic or prostatitis or biomarker* or in vivo or in vitro or gene or genes or signalling or signals or RNA or DNA or polymorphism* or protein* or circulating lycopene).ti. (6016637)
16 ((life adj2 (quality or qualities)) or QoL).ti. (255437)
17 or/15-16 (6270822)
18 14 not 17 (206618)
19 limit 18 to yr="2024 -current" (14936)
20 limit 19 to ed=20240506-20250426 use medall [Limit not valid in Embase; records were retained] (3986)
21 limit 19 to ez=20240506-20250426 use medall [Limit not valid in Embase; records were retained] (5296)
22 limit 19 to dt=20240506-20250426 use medall [Limit not valid in Embase; records were retained] (5302)
23 limit 19 to dd=20240506-20250426 use oemezd [Limit not valid in Ovid MEDLINE(R); records were retained] (4982)
24 limit 19 to dc=20240506-20250426 use oemezd (5499)
25 19 and 2025*.ep. (1421)
26 or/20-25 (11520)
27 meta analysis/ or (systematic review* or meta-analysis or umbrella review* or "overview of review*").tw. (1179292)
28 (Medline or Pubmed or Embase or Cochrane or literature search or literature review or effect* model).ab. (1248647)
29 (random* or RCT or RCTs).tw. (3854369)
30 Randomized controlled trials/ or randomized controlled trial.pt. (1105672)
31 (double-blind: or placebo* or blind*).tw. (1263038)

32 (controlled trial* or clinical trial*).ti. (565633)
33 or/27-32 (5979583)
34 26 and 33 (2211)
35 remove duplicates from 34 [Pca scope set #1 RCTs and SRs] (1246)

Set 2: PCa imaging, but not including refs in set 1 (n=1492)

Database: Embase <1974 to 2025 April 25>, Ovid MEDLINE(R) ALL <1946 to April 25, 2025>

Search Strategy:

1 exp *Prostatic Neoplasms/ (345333)
2 exp *prostate cancer/ (324587)
3 (prostat* and (cancer* or carcinoma* or malignan* or tumor* or tumour* or neoplas*)).ti. (307888)
4 "PCa".tw. and Prostat*.ti. (54889)
5 or/1-4 (384160)
6 limit 5 to english language (354112)
7 (exp animals/ or exp animal/) not (humans/ or human/) (11230229)
8 ((rat or rats or mice or mouse or swine or porcine or murine or sheep or lambs or pigs or piglets or rabbit or rabbits or cat or cats or dog or dogs or cattle or bovine or monkey or monkeys or trout or marmoset$1 or basic research or cell lines or in vitro or animal model or canine) not (human* or men or women or patients or participants)).tw. (8397745)
9 (child/ or Pediatrics/ or Adolescent/ or Infant/ or adolescence/ or newborn/ or (baby or babies or child or children or pediatric* or paediatric* or peadiatric* or infant* or infancy or neonat* or newborn* or new born* or adolescen* or preschool or pre-school or toddler*).tw.) not (adult/ or aged/ or (aged or adult* or elder* or senior* or men or women).tw.) (5162484)
10 (conference abstract or Conference Review).pt. (5469571)
11 case report/ or case reports/ or (case report or a case of or a rare case or case series).ti. (6125227)
12 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (5801980)
13 or/7-12 (32167567)
14 6 not 13 (235272)
15 (testosterone replacement or benign prostatic or prostatitis or biomarker* or in vivo or in vitro or gene or genes or signalling or signals or RNA or DNA or polymorphism* or protein* or circulating lycopene).ti. (6016637)
16 ((life adj2 (quality or qualities)) or QoL).ti. (255437)
17 or/15-16 (6270822)
18 14 not 17 (206618)
19 limit 18 to yr="2024 -current" (14936)
20 limit 19 to ed=20240506-20250426 use medall [Limit not valid in Embase; records were retained] (3986)
21 limit 19 to ez=20240506-20250426 use medall [Limit not valid in Embase; records were retained] (5296)
22 limit 19 to dt=20240506-20250426 use medall [Limit not valid in Embase; records were retained] (5302)
23 limit 19 to dd=20240506-20250426 use oemezd [Limit not valid in Ovid MEDLINE(R); records were retained] (4982)
24 limit 19 to dc=20240506-20250426 use oemezd (5499)
25 19 and 2025*.ep. (1421)
26 or/20-25 (11520)
27 meta analysis/ or (systematic review* or meta-analysis or umbrella review* or "overview of

review*").tw. (1179292)
28 (Medline or Pubmed or Embase or Cochrane or literature search or literature review or effect* model).ab. (1248647)
29 (random* or RCT or RCTs).tw. (3854369)
30 Randomized controlled trials/ or randomized controlled trial.pt. (1105672)
31 (double-blind: or placebo* or blind*).tw. (1263038)
32 (controlled trial* or clinical trial*).ti. (565633)
33 or/27-32 (5979583)
34 26 and 33 (2211)
35 remove duplicates from 34 [Pca scope set #1 RCTs and SRs] (1246)
36 (positron emission tomograph* or "PET").ti. (203368)
37 *positron emission tomography/ or *Positron-Emission Tomography/ (84701)
38 ("CT" or computer tomograph* or SPECT).ti. (323528)
39 *computer assisted tomography/ or *emission tomography/ (167580)
40 *tomography, emission-computed/ or *tomography, x-ray computed/ (166479)
41 *Diagnostic imaging/ or imaging.ti. (814637)
42 nuclear.ti. (244783)
43 (sensitivit* or specificit*).tw. (3239029)
44 ((diagnostic or diagnosis) and (accurac* or performance* or value*)).ti. (124300)
45 (MRI or mpMRI or Magnetic Resonance).ti. (454673)
46 *Ultrasonography/ or *ultrasound/ (226631)
47 (ultrasonograph* or ultrasound* or echotomograph* or echo tomograph* or echograph* or sonograph* or ultra sound or acoustic).ti. (517682)
48 or/36-47 (5406300)
49 26 and 48 (3056)
50 49 not 34 (2492)
51 remove duplicates from 50 [Pca set #2, imaging not including refs in set 1] (1492)

Set 3 PCa PSMA, but not including refs in set 1 or 2 (n=258)

Database: Embase <1974 to 2025 April 25>, Ovid MEDLINE(R) ALL <1946 to April 25, 2025>

Search Strategy:

1 exp *Prostatic Neoplasms/ (345333)
2 exp *prostate cancer/ (324587)
3 (prostat* and (cancer* or carcinoma* or malignan* or tumor* or tumour* or neoplas*)).ti. (307888)
4 "PCa".tw. and Prostat*.ti. (54889)
5 or/1-4 (384160)
6 limit 5 to english language (354112)
7 (exp animals/ or exp animal/) not (humans/ or human/) (11230229)
8 ((rat or rats or mice or mouse or swine or porcine or murine or sheep or lambs or pigs or piglets or rabbit or rabbits or cat or cats or dog or dogs or cattle or bovine or monkey or monkeys or trout or marmoset$1 or basic research or cell lines or in vitro or animal model or canine) not (human* or men or women or patients or participants)).tw. (8397745)
9 (child/ or Pediatrics/ or Adolescent/ or Infant/ or adolescence/ or newborn/ or (baby or babies or child or children or pediatric* or paediatric* or peadiatric* or infant* or infancy or neonat* or newborn* or new born* or adolescen* or preschool or pre-school or toddler*).tw.) not (adult/ or aged/ or (aged or adult* or elder* or senior* or men or women).tw.) (5162484)
10 (conference abstract or Conference Review).pt. (5469571)
11 case report/ or case reports/ or (case report or a case of or a rare case or case series).ti. (6125227)

12 note/ or editorial/ or letter/ or Comment/ or news/ or (note or editorial or letter or Comment or news).pt. (5801980)
13 or/7-12 (32167567)
14 6 not 13 (235272)
15 (testosterone replacement or benign prostatic or prostatitis or biomarker* or in vivo or in vitro or gene or genes or signalling or signals or RNA or DNA or polymorphism* or protein* or circulating lycopene).ti. (6016637)
16 ((life adj2 (quality or qualities)) or QoL).ti. (255437)
17 or/15-16 (6270822)
18 14 not 17 (206618)
19 limit 18 to yr="2024 -current" (14936)
20 limit 19 to ed=20240506-20250426 use medall [Limit not valid in Embase; records were retained] (3986)
21 limit 19 to ez=20240506-20250426 use medall [Limit not valid in Embase; records were retained] (5296)
22 limit 19 to dt=20240506-20250426 use medall [Limit not valid in Embase; records were retained] (5302)
23 limit 19 to dd=20240506-20250426 use oemezd [Limit not valid in Ovid MEDLINE(R); records were retained] (4982)
24 limit 19 to dc=20240506-20250426 use oemezd (5499)
25 19 and 2025*.ep. (1421)
26 or/20-25 (11520)
27 meta analysis/ or (systematic review* or meta-analysis or umbrella review* or "overview of review*").tw. (1179292)
28 (Medline or Pubmed or Embase or Cochrane or literature search or literature review or effect* model).ab. (1248647)
29 (random* or RCT or RCTs).tw. (3854369)
30 Randomized controlled trials/ or randomized controlled trial.pt. (1105672)
31 (double-blind: or placebo* or blind*).tw. (1263038)
32 (controlled trial* or clinical trial*).ti. (565633)
33 or/27-32 (5979583)
34 26 and 33 (2211)
35 remove duplicates from 34 [Pca scope set #1 RCTs and SRs] (1246)
36 (positron emission tomograph* or "PET").ti. (203368)
37 *positron emission tomography/ or *Positron-Emission Tomography/ (84701)
38 ("CT" or computer tomograph* or SPECT).ti. (323528)
39 *computer assisted tomography/ or *emission tomography/ (167580)
40 *tomography, emission-computed/ or *tomography, x-ray computed/ (166479)
41 *Diagnostic imaging/ or imaging.ti. (814637)
42 nuclear.ti. (244783)
43 (sensitivit* or specificit*).tw. (3239029)
44 ((diagnostic or diagnosis) and (accurac* or performance* or value*)).ti. (124300)
45 (MRI or mpMRI or Magnetic Resonance).ti. (454673)
46 *Ultrasonography/ or *ultrasound/ (226631)
47 (ultrasonograph* or ultrasound* or echotomograph* or echo tomograph* or echograph* or sonograph* or ultra sound or acoustic).ti. (517682)
48 or/36-47 (5406300)
49 26 and 48 (3056)
50 49 not 34 (2492)
51 remove duplicates from 50 [Pca set #2, imaging not including refs in set 1] (1492)
52 Radiopharmaceuticals/ (95470)
53 (radiopharma* or radio-pharma*).tw. (36180)
54 (Prostate-specific membrane antigen* or PSMA).tw. (23048)
55 or/52-54 (133288)
56 26 and 55 (1385)
57 56 not (34 or 50) (428)

58 remove duplicates from 57 [Pca PSMA, not including references in Set 1 and 2] (258)