

Table S2. Search strategy of new Randomized controlled trials

PubMed (Date : Apr. 22, 2011)		Ovid MEDLINE(R) 1948 to March Week 3 2011 (Date : Mar. 29, 2011)	
Searched Term	Results		
1 "Prostate-Specific Antigen"[Mesh]	15,340	19 or/14-18	978,093
2 prostate specific antigen	21,960	20 8 and 11 and 14 and 19	3,227
3 psa	18,037	21 limit 20 to yr= "2009 -Current"	516
4 digital rectal examination	2,990	Ovid EMBASE(R) 1980 to 2011 Week 12 (Date: Mar. 29, 2011)	
5 dre	1,609	Searched Terms	Results
6 transrectal ultrasound*	2,530	1 exp Prostate-Specific Antigen/	26,948
7 TRUS	1,616	2 prostate specific antigen.mp.	29,273
8 "Mass Screening"[Mesh]	84,559	3 psa.mp.	23,295
9 screening	4,257,056	4 digital rectal examination.mp.	4,575
10 ("Prostatic Neoplasms/diagnosis"[Mesh] OR "Prostatic Neoplasms/prevention and control"[Mesh])	40,313	5 dre.mp.	1,991
11 prostat* cancer	96,419	6 transrectal ultrasound\$.mp.	3,123
12 #1 or #2 or #3 or #4 or #5 or #7	31,052	7 TRUS.mp.	2,020
13 #8 or #9	4,257,056	8 or/1-7	41,756
14 #10 or #11	96,419	9 exp Mass Screening/	117,338
15 (clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials[MeSH Terms] OR clinical trial[Publication Type] OR random*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading])	3,603,333	10 screening.mp	465,327
16 #12 and #13 and #14 and #15	5,012	11 or/9-10	465,450
17 # 16 Limits: Publication Date from 2009	867	12 Prostatic Neoplasms/pc, di [Prevention & Control, Diagnosis]	5,136
Ovid MEDLINE(R) 1948 to March Week 3 2011 (Date : Mar. 29, 2011)		13 prostat\$ cancer.mp	88,085
Searched Terms	Results	14 or/12-13	90,374
1 exp Prostate-Specific Antigen/	15,341	15 clinical trial.pt.	0
2 prostate specific antigen.mp.	19,791	16 random\$.mp.	727,255
3 psa.mp.	16,978	17 ([single or double] adj [Blind\$ or mask\$]).mp.	167,692
4 digital rectal examination.mp.	2,538	18 placebo\$.mp.	249,712
5 dre.mp.	1,513	19 or/14-18	961,283
6 transrectal ultrasound\$.mp.	2,368	20 8 and 11 and 14 and 19	5,212
7 TRUS.mp.	1,316	21 limit 20 to yr= "2009 -Current"	1,300
8 or/1-7	27,909	Cochrane Central Register of Controlled Trials and the NHS EED (Date: Mar. 29, 2011)	
9 exp Mass Screening/	84,497	Searched Terms	Results
10 screening.mp	281,201	1 (PROSTATE-SPECIFIC ANTIGEN)	1,216
11 or/9-10	287,223	2 (prostate next specific next antigen)	1,214
12 Prostatic Neoplasms/pc, di [Prevention & Control, Diagnosis]	13,488	3 (psa)	986
13 prostat\$ cancer.mp	52,690	4 (digital next rectal next examination)	211
14 or/12-13	57,173	5 dre	93
15 clinical trial.pt.	460,361	6 (transrectal next ultrasound*)	226
16 random\$.mp.	659,842	7 trus	133
17 ([single or double] adj [Blind\$ or mask\$]).mp.	147,589	8 (#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7)	1,630
18 placebo\$.mp.	139,855	9 MASS SCREENING	3,700
		10 screening	13,660
		11 (#9 OR #10)	13,660
		12 PROSTATIC NEOPLASMS	2,564

Cochrane Central Register of Controlled Trials and the NHS EED (Date: Mar. 29, 2011)	
13 (prostat* next cancer)	2,742
14 (#12 OR #13)	3,360
15 (#8 AND #11 AND #14)	264
16 (#15), from 2009 to 2011	26