

Additional file 1 Search terms used in the literature database search

P(1)	Patients
1	geriatrics.mp. or exp geriatrics/
2	geriatric patient.mp.
3	geriatric*.mp.
4	(elder\$ or geriatric\$).ab,ti.
5	elder*.mp.
6	frail elderly.mp. or exp frail elderly/
7	aged.mp. or exp Aged/
8	old*.mp.
9	old* adult*.mp.
10	old* people*.mp.
11	>65.mp.
12	over 65.mp.
13	or/1-12
P(2)	Condition
14	Benign prostatic hyperplasia.mp.
15	Lower urinary tract symptoms.mp.
16	Urination dysorders.mp.

17	Blood Pressure, high.mp.
18	Cardiac Failure.mp.
19	Raynaud's Disease.mp.
20	or/14-19
I	Drugs
21	Alpha Blockers.mp.
22	Tamsulosin.mp.
23	Doxazosin.mp.
24	Terazosin.mp.
25	Alfuzosin.mp.
26	Or/21-25
O	Outcomes
27	Mortality.mp.
28	Life expectancy.mp.
29	Quality-adjusted Life Years.mp
30	Quality of Life.mp.
31	QOL.mp.
32	Hospitalization.mp.
33	Adverse effects.mp.

34	Toxicity, Drug.mp.
35	Allergic Reaction.mp.
36	Rash.mp.
37	Safety.mp.
38	Falls.mp.
39	Cognitive Function.mp.
40	Cognitive Decline.mp.
41	Delirium.mp.
42	Lightheadedness.mp OR Light-Headedness.mp
43	Vertigo.mp.
44	Somnolence.mp.
45	Lassitude.mp.
46	Asthenia.mp.
47	Lethargy.mp.
48	Head Pain.mp.
49	Nausea.mp.
50	Emesis.mp.
51	Appetite Loss.mp.

52	Constipation.mp.
53	Diarrhea.mp.
54	Cardiovascular.mp.
55	Cerebrovascular.mp.
56	Low Blood Pressure.mp.
57	Hypotension, postural.mp.
58	Tachycardia.mp.
59	Chest pain.mp.
60	Anasarca.mp. OR Oedema.mp.
61	Dry mouth.mp.
62	Rhinitis.mp.
63	Accommodation.mp.
64	Incontinence.mp.
65	Ejaculation.mp.
66	or/27-65
S	Studies
67	Cohort studies.mp
68	Case-control studies.mp

69	Randomized controlled trial.mp
70	Non-randomized controlled trial.mp
71	Systematic review.mp
72	Meta-analysis.mp or network meta-analysis.mp
73	or/67-72
74	13 and 20 and 26 and 66 and 73