

## Appendix I: Search strategy for MedLine – Ovid interface

1	Adult*
2	Young adult*
3	Middle
4	1 OR 2 OR 3
5	Cardiovascular disease*
6	Congestive heart failure
7	Heart failure*
8	Disease of the heart
9	Hypertension
10	5 OR 6 OR 7 OR 8 OR 9
11	beta blocker*
12	Beta-adrenergic blocking agents
13	Beta-adrenergic antagonists
14	Beta adrenergic receptor antagonists
15	Propranolol
16	Metipranolol
17	Nadolol
18	Sotalol
19	Pindolol
20	Bopindolo
21	Betaxolol
22	Atenolol
23	Metoprolol
24	Bisoprolol
25	Nebivolo
26	Talinolol
27	Esmolol
28	Acebutolol
29	Celiprolol
30	Alfabeta carvedilol

31	11 OR 12 OR 13 OR 14 OR 15 OR 16 OR 17 OR 18 OR 19 OR 20 OR 21 OR 22 OR 23 OR 24 OR 25 OR 27 OR 28 OR 29 OR 30
32	physical activity*
33	Physical exercise
34	Oxygen consumption
35	Maximal stress test
36	6 minutes walk test
37	32 OR 33 OR 34 OR 35 OR 36
38	4 AND 10 AND 31 AND 37