

## Appendices e-3 and e-4: Search strategies

### *Medline*

Database: Ovid MEDLINE(R) <1950 to June Week 2 2007>

Search Strategy:

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- 1 exp Multiple Sclerosis/ (29315)
- 2 multiple sclerosis.tw. (28823)
- 3 Complementary Therapies/ (9392)
- 4 (Complementary and Alternative Medicine).tw. (1745)
- 5 unconventional medicine.mp. (65)
- 6 swank diet:.mp. (0)
- 7 Diet, Fat-Restricted/ (1739)
- 8 Dietary Fats/ (32534)
- 9 low fat diet:.mp. (2250)
- 10 gluten free diet:.mp. (1838)
- 11 fatty acids, unsaturated/ or exp fatty acids, essential/ or exp fatty acids, omega-3/ (48710)
- 12 fish oils/ or cod liver oil/ (4455)
- 13 Linseed Oil/ (473)
- 14 fatty acids, unsaturated/ or exp fatty acids, omega-6/ (21440)
- 15 sunflower seed oil:.mp. (768)
- 16 evening primrose oil:.mp. (334)
- 17 lorenzo's oil:.mp. (95)
- 18 (polyunsaturated fatty acid: or essential fatty acid: or omega 3 fatty acid: or omega three fatty acid: or fish oil: or cod liver oil: or flaxseed oil: or omega 6 fatty acid: or omega six fatty acid: or linolenic acid: or gamma linolenic acid:).mp. (22036)
- 19 or/3-18 (97863)

- 20 clinical trials/ or randomized controlled trials/ (179903)
- 21 epidemiologic methods/ or exp case-control studies/ or exp cohort studies/ (911411)
- 22 case series.mp. (12250)
- 23 n=1:.ab. (39398)
- 24 and/22-23 (74)
- 25 or/20-21,24 (1073647)
- 26 or/1-2 (34470)
- 27 and/19,26 (367)
- 28 limit 27 to (humans and systematic reviews and yr="1970 - 2007") (5)
- 29 limit 27 to (humans and yr="1970 - 2007" and (meta analysis or randomized controlled trial or "review")) (97)
- 30 and/25,27 (36)
- 31 limit 30 to (humans and yr="1970 - 2007") (36)
- 32 or/28-29,31 (121)
- 33 limit 32 to english language (102)

***Medline updated***

**Ovid MEDLINE(R) 1948 to March Week 3 2011**

#	Searches	Results	Search Type
1	exp Multiple Sclerosis/	36400	Advanced
2	multiple sclerosis.tw.	37010	Advanced
3	clinical trials/ or randomized controlled trials/	71382	Advanced
4	epidemiologic methods/ or exp case-control studies/ or exp cohort	1202336	Advanced

	studies/		
5	case series.mp.	21253	Advanced
6	n=1:.ab.	62540	Advanced
7	and/5-6	197	Advanced
8	or/3-4,7	1264046	Advanced
9	carnitine/ or acetylcarnitine/	6886	Advanced
10	exp Chondroitin/	8414	Advanced
	(acetyl l carnitine or calcium ethyl amino phosphate or calcium		
11	orotate or calcium aep or calcium eap or calcium 2 aminoethyl phosphate or chondroitin).mp.	15810	Advanced
12	(9007-27-6 or 14992-62-2).rn.	3950	Advanced
13	Ubiquinone/	5603	Advanced
14	creatine/	7160	Advanced
15	exp Dehydroepiandrosterone/	9394	Advanced
16	Germanium/	902	Advanced
17	exp Glucosamine/	11672	Advanced
18	(coenzyme q10 or ubiquinone or creatine or dhea or dehydroepiandrosterone or germanium or glucosamine).mp.	76655	Advanced
19	(1339-63-5 or 303-98-0 or 57-00-1 or 53-43-0 or 7440-56-4 or 3416-24-8).rn.	30186	Advanced
20	exp Inosine/	5546	Advanced

21 Melatonin/	13249	Advanced
22 Thioctic Acid/	2409	Advanced
23 Threonine/	8085	Advanced
24 Garcinia mangostana/	70	Advanced
25 (inosine or melatonin or lipoic acid or thioctic acid or threonine or mangosteen).mp.	93742	Advanced
26 (58-63-9 or 73-31-4 or 62-46-4 or 72-19-5).rn.	26593	Advanced
27 Curcuma/	610	Advanced
28 Curcumin/	2847	Advanced
29 Catechols/	5088	Advanced
30 exp Flavonoids/	51119	Advanced
31 Quercetin/	4325	Advanced
32 Luteolin/	625	Advanced
33 (tumeric or curcumin or flavonoid\$ or quercetin or luteolin or oral myelin or oral brain).mp.	35611	Advanced
34 (458-37-7 or 117-39-5 or 491-70-3).rn.	7606	Advanced
35 or/9-34	256560	Advanced
36 or/1-2	43538	Advanced
37 and/35-36	493	Advanced
38 limit 37 to (humans and english language and systematic reviews)	6	Advanced

39	limit 37 to (humans and english language and (meta analysis or randomized controlled trial or "review"))	93	Advanced
40	and/8,35-36	72	Advanced
41	limit 40 to (english language and humans)	68	Advanced

Citations entry from 2007-2010

42	2007*.em.	711002	Advanced
43	2008*.em.	722709	Advanced
44	2009*.em.	710184	Advanced
45	2010*.em.	767490	Advanced
46	2011*.em.	162402	Advanced
47	or/42-46	3073787	Advanced
48	41 and 47	19	Advanced

**Ovid MEDLINE(R) 1948 to March Week 3 2011**

#	Searches	Results	Search Type
1	exp Multiple Sclerosis/	36400	Advanced
2	multiple sclerosis.tw.	37010	Advanced
3	clinical trials/ or randomized controlled trials/	71382	Advanced
4	epidemiologic methods/ or exp case-control studies/ or exp cohort studies/	1202336	Advanced
5	case series.mp.	21253	Advanced

6	n=1:.ab.	62540	Advanced
7	and/5-6	197	Advanced
8	or/3-4,7	1264046	Advanced
9	Aspartame/	741	Advanced
10	dipeptides/ or aspartic acid/ or phenylalanine/	47498	Advanced
11	venoms/ or bee venoms/	7243	Advanced
12	Chelation Therapy/	879	Advanced
13	exp Chelating Agents/tu [Therapeutic Use]	9881	Advanced
14	exp cryotherapy/	18267	Advanced
15	Dental Amalgam/	7685	Advanced
16	Mercury/	17065	Advanced
17	Hyperbaric Oxygenation/	9169	Advanced
18	LDN.mp.	268	Advanced
19	GalNAcbeta1,4GlcNAc.mp.	32	Advanced
20	(aspartame or bee venom therap\$ or apitherap\$ or candida treatment\$ or candidiasis hypersensitivities or candidiasis hypersenitivity or polysystemic candidiasis or chelation therap\$ or cooling therap\$ or dental amalgam\$ or mercury or enzyme therap\$ or hyperbaric oxygen or low dose naltrexone or neural therap\$ or prokarin or procarin or hydrolytic enzyme\$ or colloidal silver or radon therap\$).mp.	45742	Advanced
21	or/9-20	131860	Advanced

22	or/1-2	43538	Advanced
23	and/21-22	471	Advanced
24	limit 23 to (humans and english language and systematic reviews)	6	Advanced
25	limit 23 to (humans and english language and (meta analysis or randomized controlled trial or "review"))	86	Advanced
26	and/8,21-22	65	Advanced
27	limit 26 to (humans and english language)	65	Advanced

Citations entry from 2007-2010

28	2007*.em.	711002	Advanced
29	2008*.em.	722709	Advanced
30	2009*.em.	710184	Advanced
31	2010*.em.	767490	Advanced
32	2011*.em.	162402	Advanced
33	or/28-32	3073787	Advanced
34	27 and 33	17	Advanced

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4	epidemiologic methods/ or exp case-control studies/ or exp cohort studies/	1202336	Advanced
5	case series.mp.	21253	Advanced
6	n=1:.ab.	62540	Advanced
7	and/5-6	197	Advanced
8	exp Antioxidants/	296761	Advanced
9	exp Vitamin A/	33856	Advanced
10	exp Vitamin E/	24646	Advanced
11	Zinc/	42973	Advanced
12	exp Ascorbic Acid/	32068	Advanced
13	exp Vitamin B 12/	16886	Advanced
14	Selenium/	14574	Advanced
15	Calcium/	221644	Advanced
16	Magnesium/	58084	Advanced
17	exp Folic Acid/	25075	Advanced
18	(antioxidant: or vitamin A or vitamin C or ascorbic acid or vitamin E or vitamin B12 or vitamin B or cyanocobalamin or vitamin D or calcium or selenium or zinc or magnesium or folic acid or multivitamin:).tw.	485839	Advanced
19	exp Vitamin B Complex/	110239	Advanced
20	(12001-76-2 or 11103-57-4 or 7440-66-6 or 1406-18-4 or 50-81-7 or	400114	Advanced



68-19-9 or 7782-49-2 or 7440-70-2 or 7439-95-4 or 59-30-3).rn.

21 or/1-2	43538	Advanced
22 or/3-4,7	1264046	Advanced
23 or/8-20	918723	Advanced
24 and/21-23	121	Advanced
25 limit 24 to (humans and english language)	114	Advanced
26 and/21,23	1422	Advanced
27 limit 26 to (humans and english language and systematic reviews)	9	Advanced
28 limit 26 to (humans and english language and (meta analysis or randomized controlled trial or "review"))	332	Advanced
29 or/25,27-28	433	Advanced

Citations entry from 2007-2011

30 2007*.em.	711002	Advanced
31 2008*.em.	722709	Advanced
32 2009*.em.	710184	Advanced
33 2010*.em.	767490	Advanced
34 2011*.em.	162402	Advanced
35 or/30-34	3073787	Advanced
36 29 and 35	182	Advanced

## *Web of Science*

Search strategy Web of Science\_MS\_CAM

TS=((("multiple sclerosis") AND ("unconventional medicine?" OR "complementary medicine?" OR "complementary therapy" OR "complementary therapies" OR "alternative medicine?" OR "alternative therapy" OR " alternative therapies" OR "swank diet?" OR "low fat diet?" OR "gluten free diet?" OR "polyunsaturated fatty acid?" OR "essential fatty acid?" OR "omega three fatty acid?" OR "omega 3 fatty acid?" OR "fish oil?" OR "cod liver oil?" OR "flaxseed oil?" OR "omega 6 fatty acid?" OR "omega six fatty acid?" OR "sunflower seed oil?" OR "linoleic acid?" OR "gamma linolenic acid?" OR "lorenzo's oil?" OR "lorenzos oil?")) NOT animal?)

DocType=All document types; Language=English; Database=SCI-EXPANDED;

Timespan=1970-2007

DocType=[excluding] MEETING ABSTRACT, LETTER, NOTE > DocType=[excluding] EDITORIAL MATERIAL

Web of Science\_MS\_CAM\_manipulative

#5 0 TS(("multiple sclerosis") AND ("pulsed Enermed")) DocType=All document types; Language=English; Database=SCI-EXPANDED; Timespan=1970-2007

#4 0 TS(("multiple sclerosis" AND Enermed AND pulsed)

DocType=All document types; Language=English; Database=SCI-EXPANDED;

Timespan=1970-2007

#3 61 TS((((("multiple sclerosis") AND (magnet? OR "electromagnetic therapy" OR "electromagnetic therapies" OR "magnetic field?" OR " electromagnetic field?" OR "therapeutic touch")) NOT ("magnetic resonance imag\*" OR "magnetic resonance spectroscopy"))

DocType=All document types; Language=English; Database=SCI-EXPANDED;

Timespan=1970-2007

#2 10 TS(("multiple sclerosis") AND ("chiropractic medicine" OR "craniosacral therapy" OR "craniosacral therapies" OR "cranial therapy" OR "cranial therapies" OR "cranial

osteopathy" OR "cranial osteopathies" OR craniopathy OR craniopathies OR feldenkrais\* OR  
massage OR pilates OR physicalmind OR "physical mind" OR reflexology OR tragerwork OR  
"trager work" OR "trager approach" OR "trager psychophysical integration"))

DocType=All document types; Language=English; Database=SCI-EXPANDED;  
Timespan=1970-2007

#1 9 TS(("multiple sclerosis") AND ("colon therapy" OR "colon therapies" OR  
detoxification OR hippotherapy OR hippotherapies OR "therapeutic horseback riding" OR  
"therapeutic riding"))

DocType=All document types; Language=English; Database=SCI-EXPANDED;  
Timespan=1970-2007