

Supplemental material

Text S1. Search terms for the systematic review,

Figure S1. Risk of bias assessment of amino acid group for randomized-controlled trials.

Figure S2. Risk of bias assessment of vitamin compounds group for randomized-controlled trials.

Figure S3. Risk of bias assessment of mineral compounds group for randomized-controlled trials.

Figure S4. Risk of bias assessment of phenolic compounds group for randomized-controlled trials.

Figure S5. Risk of bias assessment of other bioactive compounds group randomized-controlled trials

PRISMA CHECKLIST

MEDLINE (PubMed)

(((((("Superoxide Dismutase"[MeSH Terms]) OR ("Superoxide Dismutase"[Title/Abstract]) OR ("Catalase"[MeSH Terms]) OR ("Catalase"[Title/Abstract]) OR ("Glutathione"[MeSH Terms]) OR ("Glutathione"[Title/Abstract]) OR ("Phospholipid Hydroperoxide Glutathione Peroxidase"[MeSH Terms]) OR ("Phospholipid Hydroperoxide Glutathione Peroxidase"[Title/Abstract]) OR ("Glucosephosphate Dehydrogenase"[MeSH Terms]) OR ("Glucosephosphate Dehydrogenase"[Title/Abstract]) OR ("glucose 6-phosphate dehydrogenase"[Title/Abstract]) OR ("Peroxiredoxins"[MeSH Terms]) OR ("Peroxiredoxins"[Title/Abstract]) OR ("Peroxiredoxin"[Title/Abstract]) OR ("NADPH quinone oxidoreductase"[Title/Abstract]) OR ("Epoxide Hydrolases"[MeSH Terms]) OR ("Epoxide Hydrolases"[Title/Abstract]) OR ("Epoxide Hydrolase"[Title/Abstract]) OR ("Ferritins"[MeSH Terms]) OR ("Ferritins"[Title/Abstract]) OR ("Ferritin"[Title/Abstract]) OR ("Transferrin"[MeSH Terms]) OR ("Transferrin"[Title/Abstract]) OR ("Ceruloplasmin"[MeSH Terms]) OR ("Ceruloplasmin"[Title/Abstract]) OR ("Serum Albumin, Human"[MeSH Terms]) OR ("Serum Albumin, Human"[Title/Abstract]) OR ("Human Serum Albumin"[Title/Abstract]) OR ("Uric acid"[MeSH Terms]) OR ("Uric acid"[Title/Abstract]) OR ("Bilirubin"[MeSH Terms]) OR ("Bilirubin"[Title/Abstract]) OR ("thioredoxin reductase"[Title/Abstract]) OR ("Thioredoxin-Disulfide Reductase"[MeSH Terms]) OR ("Thioredoxin-Disulfide Reductase"[Title/Abstract]) OR ("Glutaredoxins"[MeSH Terms]) OR ("Glutaredoxins"[Title/Abstract]) OR ("Glutaredoxin"[Title/Abstract]) OR ("Peptide Hydrolases"[MeSH Terms]) OR ("Peptide Hydrolases"[Title/Abstract]) OR ("Protease"[Title/Abstract]) OR ("Proteasome Endopeptidase Complex"[MeSH Terms]) OR ("Proteasome Endopeptidase Complex"[Title/Abstract]) OR ("Proteasome"[Title/Abstract]) OR ("Non-selenium-dependent glutathione peroxidase"[Title/Abstract]) OR ("Phospholipases"[MeSH Terms]) OR ("Phospholipases"[Title/Abstract]) OR ("Phospholipase"[Title/Abstract]) OR ("DNA repair"[Title/Abstract]) OR ("Poly ADP-ribose"[Title/Abstract]) OR ("Nitric Oxide"[MeSH Terms]) OR ("Nitric Oxide"[Title/Abstract]) OR ("Oxidative Stress"[MeSH Terms]) OR ("Oxidative Stress"[Title/Abstract]) OR ("Oxidation-Reduction"[MeSH Terms]) OR ("Oxidation-Reduction"[Title/Abstract]) OR ("Antioxidant defense system"[Title/Abstract]) AND (((("Vitamin C"[Title/Abstract]) OR ("Ascorbic Acid"[MeSH Terms]) OR ("Ascorbic Acid"[Title/Abstract]) OR ("Dehydroascorbic Acid"[MeSH Terms]) OR ("Dehydroascorbic Acid"[Title/Abstract]) OR ("Ascorbate"[Title/Abstract]) OR ("Vitamin E"[MeSH Terms]) OR ("Vitamin E"[Title/Abstract]) OR ("Tocopherols"[MeSH Terms]) OR ("Tocopherols"[Title/Abstract]) OR ("alpha-Tocopherol"[MeSH Terms]) OR ("alpha-Tocopherol"[Title/Abstract]) OR ("Carotenoids"[MeSH Terms]) OR ("Carotenoids"[Title/Abstract]) OR ("beta Carotene"[MeSH Terms]) OR ("beta Carotene"[Title/Abstract]) OR ("Lycopene"[MeSH Terms]) OR ("Lycopene"[Title/Abstract]) OR ("Retinoids"[MeSH Terms]) OR ("Retinoids"[Title/Abstract]) OR ("Vitamin A"[MeSH Terms]) OR ("Vitamin A"[Title/Abstract]) OR ("Xanthophylls"[MeSH Terms]) OR ("Xanthophylls"[Title/Abstract]) OR ("Retinol"[Title/Abstract]) OR ("Riboflavin"[MeSH Terms]) OR ("Riboflavin"[Title/Abstract]) OR ("Pantothenic Acid"[MeSH Terms]) OR ("Pantothenic Acid"[Title/Abstract]) OR ("Pyridoxine"[MeSH Terms]) OR ("Pyridoxine"[Title/Abstract]) OR ("Vitamin B 12"[MeSH Terms]) OR ("Vitamin B 12"[Title/Abstract]) OR ("Vitamin D"[MeSH Terms]) OR ("Vitamin D"[Title/Abstract]) OR ("Magnesium"[MeSH Terms]) OR ("Magnesium"[Title/Abstract]) OR ("Selenium"[MeSH Terms]) OR ("Selenium"[Title/Abstract]) OR ("Glutathione"[MeSH Terms]) OR ("Glutathione"[Title/Abstract]) OR ("Ubiquinone"[MeSH Terms]) OR ("Ubiquinone"[Title/Abstract]) OR ("Coenzyme Q"[Title/Abstract]) OR ("Ubiquinol"[Title/Abstract]) OR ("Acetylcysteine"[MeSH Terms]) OR ("Acetylcysteine"[Title/Abstract]) OR ("N-acetylcysteine"[Title/Abstract]) OR ("N-acetyl-L-cysteine"[Title/Abstract]) OR ("Cysteine"[MeSH Terms]) OR ("Cysteine"[Title/Abstract]) OR ("Glycine"[MeSH Terms]) OR ("Glycine"[Title/Abstract]) OR ("Serine"[MeSH Terms]) OR ("Serine"[Title/Abstract]) OR ("Glutamine"[MeSH Terms]) OR ("Glutamine"[Title/Abstract]) OR ("Taurine"[MeSH Terms]) OR ("Taurine"[Title/Abstract]) OR ("Tiopronin"[MeSH Terms]) OR ("Tiopronin"[Title/Abstract]) OR ("Methionine"[MeSH Terms]) OR ("Methionine"[Title/Abstract]) OR ("L-2-Oxothiazolidine-4-Carboxylate"[Title/Abstract]) OR ("Flavonoids"[MeSH Terms]) OR ("Flavonoids"[Title/Abstract]) OR ("Anthocyanins"[MeSH Terms]) OR ("Anthocyanins"[Title/Abstract]) OR ("Biflavonoids"[MeSH Terms]) OR ("Biflavonoids"[Title/Abstract]) OR ("Catechin"[MeSH Terms]) OR ("Catechin"[Title/Abstract]) OR ("Catechols"[MeSH Terms]) OR ("Catechols"[Title/Abstract]) OR ("Flavanones"[MeSH Terms]) OR ("Flavanones"[Title/Abstract]) OR ("Flavones"[MeSH Terms]) OR ("Flavones"[Title/Abstract]) OR ("Flavonolignans"[MeSH Terms]) OR ("Flavonolignans"[Title/Abstract]) OR ("Flavonols"[MeSH Terms]) OR ("Flavonols"[Title/Abstract]) OR ("Isoflavones"[MeSH Terms]) OR ("Isoflavones"[Title/Abstract]) OR ("Proanthocyanidins"[MeSH Terms]) OR ("Proanthocyanidins"[Title/Abstract]) OR ("Phenols"[MeSH Terms]) OR ("Phenols"[Title/Abstract]) OR ("Polyphenols"[MeSH Terms]) OR ("Polyphenols"[Title/Abstract]) OR ("phenolic acids"[Title/Abstract]) OR ("Cinnamates"[MeSH Terms]) OR ("Cinnamates"[Title/Abstract]) OR ("Caffeic Acids"[MeSH Terms]) OR ("Caffeic Acids"[Title/Abstract]) OR ("Capsaicin"[MeSH Terms]) OR ("Capsaicin"[Title/Abstract]) OR ("Curcumin"[MeSH Terms]) OR ("Curcumin"[Title/Abstract]) OR ("Glucosinolates"[MeSH Terms]) OR ("Glucosinolates"[Title/Abstract]) OR ("Phytochemicals"[MeSH Terms]) OR ("Phytochemicals"[Title/Abstract]) OR ("Phytosterols"[MeSH Terms]) OR ("Phytosterols"[Title/Abstract]) OR ("Chlorogenic Acid"[MeSH Terms]) OR ("Chlorogenic Acid"[Title/Abstract]) OR ("Coumaric Acids"[MeSH Terms]) OR ("Coumaric Acids"[Title/Abstract]) OR

("Rosmarinic Acid"[MeSH Terms])) OR ("Rosmarinic Acid"[Title/Abstract])) OR ("Tyrosol"[Title/Abstract])) OR ("Hydroxytyrosol"[Title/Abstract])) OR ("Fatty Acids, Omega-3"[MeSH Terms])) OR ("Fatty Acids, Omega-3"[Title/Abstract])) OR ("Omega-3 Fatty Acid"[Title])) OR ("Eicosapentaenoic Acid"[MeSH Terms])) OR ("Eicosapentaenoic Acid"[Title/Abstract])) OR ("Docosahexaenoic Acids"[MeSH Terms])) OR ("Docosahexaenoic Acids"[Title/Abstract])) OR ("alpha-Linolenic Acid"[MeSH Terms])) OR ("alpha-Linolenic Acid"[Title/Abstract])) OR ("alpha-lipoic acid"[Title/Abstract])) OR ("allicin"[Title/Abstract])) OR ("Antioxidants"[MeSH Terms])) OR ("Antioxidants"[Title/Abstract])) OR ("Oxidants"[MeSH Terms])) OR ("Oxidants"[Title/Abstract])) AND (((((((((((((((("Diabetes Mellitus"[MeSH Terms]) OR ("Diabetes Mellitus"[Title/Abstract])) OR ("Diabetes Mellitus, Type 2"[MeSH Terms])) OR ("Diabetes Mellitus, Type 2"[Title/Abstract])) OR ("Prediabetic State"[MeSH Terms])) OR ("Prediabetic State"[Title/Abstract])) OR ("Diabetes Complications"[MeSH Terms])) OR ("Diabetes Complications"[Title/Abstract])) OR ("Insulin"[MeSH Terms])) OR ("Insulin"[Title/Abstract])) OR ("Insulin Secretion"[MeSH Terms])) OR ("Insulin Secretion"[Title/Abstract])) OR ("Insulin Resistance"[MeSH Terms])) OR ("Insulin Resistance"[Title/Abstract])) OR ("Homeostatic model Assessment"[Title/Abstract])) OR ("HOMA"[Title/Abstract])) OR ("Glycated Hemoglobin"[MeSH Terms])) OR ("Glycated Hemoglobin"[Title/Abstract])) OR ("HbA1c"[Title/Abstract])) OR ("Fasting blood sugar"[Title/Abstract])) Filters: Randomized Controlled Trial, Humans, English, French, German, Italian, Portuguese, Spanish, Adult: 19+ years Sort by: Most Recent

Records: 854

Scopus

((((((TITLE-ABS-KEY ("Superoxide Dismutase") OR TITLE-ABS-KEY ("Catalase") OR TITLE-ABS-KEY ("Glutathione") OR TITLE-ABS-KEY ("Phospholipid Hydroperoxide Glutathione Peroxidase") OR TITLE-ABS-KEY ("Glucosephosphate Dehydrogenase") OR TITLE-ABS-KEY ("glucose 6-phosphate dehydrogenase") OR TITLE-ABS-KEY ("Peroxiredoxin") OR TITLE-ABS-KEY ("NADPH quinone oxidoreductase") OR TITLE-ABS-KEY ("Epoxide Hydrolase") OR TITLE-ABS-KEY ("Ferritin") OR TITLE-ABS-KEY ("Transferrin") OR TITLE-ABS-KEY ("Ceruloplasmin") OR TITLE-ABS-KEY ("Human Serum Albumin") OR TITLE-ABS-KEY ("Uric acid") OR TITLE-ABS-KEY ("Bilirubin") OR TITLE-ABS-KEY ("thioredoxin reductase") OR TITLE-ABS-KEY ("Thioredoxin-Disulfide Reductase") OR TITLE-ABS-KEY ("Glutaredoxin") OR TITLE-ABS-KEY ("Peptide Hydrolases") OR TITLE-ABS-KEY ("Protease") OR TITLE-ABS-KEY ("Proteasome Endopeptidase Complex") OR TITLE-ABS-KEY ("Non-selenium-dependent glutathione peroxidase") OR TITLE-ABS-KEY ("Phospholipase") OR TITLE-ABS-KEY ("DNA repair") OR TITLE-ABS-KEY ("Poly ADP-ribose") OR TITLE-ABS-KEY ("Nitric Oxide") OR TITLE-ABS-KEY ("Oxidative Stress") OR TITLE-ABS-KEY ("Oxidation-Reduction") OR TITLE-ABS-KEY ("Antioxidant defense system"))) AND ((TITLE-ABS-KEY ("Vitamin C") OR TITLE-ABS-KEY ("Ascorbic Acid") OR TITLE-ABS-KEY ("Dehydroascorbic Acid") OR TITLE-ABS-KEY ("Ascorbate") OR TITLE-ABS-KEY ("Vitamin E") OR TITLE-ABS-KEY ("Tocopherols") OR TITLE-ABS-KEY ("alpha-Tocopherol") OR TITLE-ABS-KEY ("Carotenoids") OR TITLE-ABS-KEY ("beta Carotene") OR TITLE-ABS-KEY ("Lycopene") OR TITLE-ABS-KEY ("Retinoids") OR TITLE-ABS-KEY ("Vitamin A") OR TITLE-ABS-KEY ("Xanthophylls") OR TITLE-ABS-KEY ("Retinol") OR TITLE-ABS-KEY ("Riboflavin") OR TITLE-ABS-KEY ("Pantothenic Acid") OR TITLE-ABS-KEY ("Pyridoxine") OR TITLE-ABS-KEY ("Vitamin B12") OR TITLE-ABS-KEY ("Vitamin D") OR TITLE-ABS-KEY ("Magnesium") OR TITLE-ABS-KEY ("Selenium") OR TITLE-ABS-KEY ("Glutathione") OR TITLE-ABS-KEY ("Ubiquinone") OR TITLE-ABS-KEY ("Coenzyme Q") OR TITLE-ABS-KEY ("Ubiquinol") OR TITLE-ABS-KEY ("Acetylcysteine") OR TITLE-ABS-KEY ("N-acetylcysteine") OR TITLE-ABS-KEY ("N-acetyl-L-cysteine") OR TITLE-ABS-KEY ("Cysteine") OR TITLE-ABS-KEY ("Glycine") OR TITLE-ABS-KEY ("Serine") OR TITLE-ABS-KEY ("Glutamine") OR TITLE-ABS-KEY ("Taurine") OR TITLE-ABS-KEY ("Tiopronin") OR TITLE-ABS-KEY ("Methionine") OR TITLE-ABS-KEY ("L-2-Oxothiazolidine-4-Carboxylate") OR TITLE-ABS-KEY ("Flavonoids") OR TITLE-ABS-KEY ("Anthocyanins") OR TITLE-ABS-KEY ("Biflavonoids") OR TITLE-ABS-KEY ("Catechin") OR TITLE-ABS-KEY ("Catechols") OR TITLE-ABS-KEY ("Flavanones") OR TITLE-ABS-KEY ("Flavones") OR TITLE-ABS-KEY ("Flavonolignans") OR TITLE-ABS-KEY ("Flavonols") OR TITLE-ABS-KEY ("Isoflavones") OR TITLE-ABS-KEY ("Proanthocyanidins") OR TITLE-ABS-KEY ("Phenols") OR TITLE-ABS-KEY ("Polyphenols") OR TITLE-ABS-KEY ("phenolic acids") OR TITLE-ABS-KEY ("Cinnamates") OR TITLE-ABS-KEY ("Caffeic Acids") OR TITLE-ABS-KEY ("Capsaicin") OR TITLE-ABS-KEY ("Curcumin") OR TITLE-ABS-KEY ("Glucosinolates") OR TITLE-ABS-KEY ("Phytochemicals") OR TITLE-ABS-KEY ("Phytosterols") OR TITLE-ABS-KEY ("Chlorogenic Acid") OR TITLE-ABS-KEY ("Coumaric Acids") OR TITLE-ABS-KEY ("Rosmarinic Acid") OR TITLE-ABS-KEY ("Tyrosol") OR TITLE-ABS-KEY ("Hydroxytyrosol") OR TITLE-ABS-KEY ("Omega-3 Fatty Acid") OR TITLE-ABS-KEY ("Eicosapentaenoic Acid") OR TITLE-ABS-KEY ("Docosahexaenoic Acids") OR TITLE-ABS-KEY ("alpha-Linolenic Acid") OR TITLE-ABS-KEY ("alpha-lipoic acid") OR TITLE-ABS-KEY ("allicin") OR TITLE-ABS-KEY ("Antioxidants") OR TITLE-ABS-KEY ("Oxidants"))) AND ((TITLE-ABS-KEY ("Diabetes Mellitus") OR TITLE-ABS-KEY ("Diabetes Mellitus, Type 2") OR TITLE-ABS-KEY ("Prediabetic State") OR TITLE-ABS-KEY ("Diabetes Complications") OR TITLE-ABS-KEY ("Insulin") OR TITLE-ABS-KEY ("Insulin Secretion") OR TITLE-ABS-KEY ("Insulin Resistance") OR TITLE-ABS-KEY ("Homeostatic model Assessment") OR TITLE-ABS-KEY ("HOMA") OR TITLE-ABS-KEY ("Glycated Hemoglobin") OR TITLE-ABS-KEY ("HbA1c") OR TITLE-ABS-KEY ("Fasting blood sugar"))))) AND (TITLE-ABS-KEY ("human")) AND (((TITLE-ABS-KEY ("randomized controlled trial") OR TITLE-ABS-KEY ("controlled trial")))) AND (((TITLE-ABS-KEY ("adult")

) OR TITLE-ABS-KEY ("elderly") OR TITLE-ABS-KEY ("older"))) AND NOT (((TITLE-ABS-KEY ("review") OR TITLE-ABS-KEY ("meta-analysis")))) AND (LIMIT-TO (DOCTYPE , "ar")) AND (LIMIT-TO (LANGUAGE , "English") OR LIMIT-TO (LANGUAGE , "Spanish") OR LIMIT-TO (LANGUAGE , "French"))

Records: 1406

Web of Science

Equation 1

(((((TS=("Superoxide Dismutase")) OR TS=("Catalase")) OR TS=("Glutathione")) OR TS=("Phospholipid Hydroperoxide Glutathione Peroxidase")) OR TS=("Glucosephosphate Dehydrogenase")) OR TS=("glucose 6-phosphate dehydrogenase")) OR TS=("Peroxisome oxidoreductase")) OR TS=("NADPH quinone oxidoreductase")) OR TS=("Epoxide Hydrolase")) OR TS=("Ferritin")) OR TS=("Transferrin")) OR TS=("Ceruloplasmin")) OR TS=("Human Serum Albumin")) OR TS=("Uric acid")) OR TS=("Bilirubin")) OR TS=("thioredoxin reductase")) OR TS=("Thioredoxin-Disulfide Reductase")) OR TS=("Glutaredoxin")) OR TS=("Peptide Hydrolases")) OR TS=("Protease")) OR TS=("Proteasome Endopeptidase Complex")) OR TS=("Non-selenium-dependent glutathione peroxidase")) OR TS=("Phospholipase")) OR TS=("DNA repair")) OR TS=("Poly ADP-ribose")) OR TS=("Nitric Oxide")) OR TS=("Oxidative Stress")) OR TS=("Oxidation-Reduction")) OR TS=("Antioxidant defense system")

Equation 2

(((((TS=("Vitamin C")) OR TS=("Ascorbic Acid")) OR TS=("Dehydroascorbic Acid")) OR TS=("Ascorbate")) OR TS=("Vitamin E")) OR TS=("Tocopherols")) OR TS=("alpha-Tocopherol")) OR TS=("Carotenoids")) OR TS=("beta Carotene")) OR TS=("Lycopene")) OR TS=("Retinoids")) OR TS=("Vitamin A")) OR TS=("Xanthophylls")) OR TS=("Retinol")) OR TS=("Riboflavin")) OR TS=("Pantothenic Acid")) OR TS=("Pyridoxine")) OR TS=("Vitamin B12")) OR TS=("Vitamin D")) OR TS=("Magnesium")) OR TS=("Selenium")) OR TS=("Glutathione")) OR TS=("Ubiquinone")) OR TS=("Coenzyme Q")) OR TS=("Ubiquinol")) OR TS=("Acetylcysteine")) OR TS=("N-acetylcysteine")) OR TS=("N-acetyl-L-cysteine")) OR TS=("Cysteine")) OR TS=("Glycine")) OR TS=("Serine")) OR TS=("Glutamine")) OR TS=("Taurine")) OR TS=("Tiopronin")) OR TS=("Methionine")) OR TS=("L-2-Oxothiazolidine-4-Carboxylate")) OR TS=("Flavonoids")) OR TS=("Anthocyanins")) OR TS=("Biflavonoids")) OR TS=("Catechin")) OR TS=("Catechols")) OR TS=("Flavanones")) OR TS=("Flavones")) OR TS=("Flavonolignans")) OR TS=("Flavonols")) OR TS=("Isoflavones")) OR TS=("Proanthocyanidins")) OR TS=("Phenols")) OR TS=("Polyphenols")) OR TS=("phenolic acids")) OR TS=("Cinnamates")) OR TS=("Caffeic Acids")) OR TS=("Capsaicin")) OR TS=("Curcumin")) OR TS=("Glucosinolates")) OR TS=("Phytochemicals")) OR TS=("Phytosterols")) OR TS=("Chlorogenic Acid")) OR TS=("Coumaric Acids")) OR TS=("Rosmarinic Acid")) OR TS=("Tyrosol")) OR TS=("Hydroxytyrosol")) OR TS=("Omega-3 Fatty Acid")) OR TS=("Eicosapentaenoic Acid")) OR TS=("Docosahexaenoic Acids")) OR TS=("alpha-Linolenic Acid")) OR TS=("alpha-lipoic acid")) OR TS=("allicin")) OR TS=("Antioxidants")) OR TS=("Oxidants")

Equation 3

(((((TS=("Diabetes Mellitus")) OR TS=("Diabetes Mellitus, Type 2")) OR TS=("Prediabetic State")) OR TS=("Diabetes Complications")) OR TS=("Insulin")) OR TS=("Insulin Secretion")) OR TS=("Insulin Resistance")) OR TS=("Homeostatic model Assessment")) OR TS=("HOMA")) OR TS=("Glycated Hemoglobin")) OR TS=("HbA1c")) OR TS=("Fasting blood sugar")

Equation 4

#1 AND #2 AND #3 : 22,184 records

Equation 5

(TS=("randomized controlled trial")) OR TS=("controlled trial")

383,944 results from Web of Science Core Collection for:

Equation 6

#1 AND #2 AND #3 AND #5: 547 records

Equation 7

TS=("animal")

891,456 results from Web of Science Core Collection for:

Equation 8

(((((TS=("animal")) OR TS=("rat")) OR TS=("mouse")) OR TS=("mice")) OR TS=("murine")) OR TS=("dog")) OR TS=("canine")) OR TS=("cat")) OR TS=("feline")) OR TS=("rabbit")) OR TS=("cow")) OR TS=("bovine")) OR TS=("rodent")) OR TS=("sheep")) OR TS=("ovine")) OR TS=("pig")) OR TS=("swine")) OR TS=("porcine")) OR TS=("chicken")) OR TS=("zebrafish")) OR TS=("baboon")) OR TS=("primate")) OR TS=("cattle")) OR TS=("goose")) OR TS=("duck")) OR TS=("bird")) OR TS=("fish")

6,353,249 results from Web of Science Core Collection for:

Equation 9

((TS=("child")) OR TS=("adolescent")) OR TS=("childhood")) OR TS=("infant")

Equation 10

((#6) NOT #8) NOT #9 and Article (Document Types) and English or Italian or German or Spanish (Languages)

Records: 353

Cochrane

ID	Search	Hits
#1	MeSH descriptor: [Superoxide Dismutase] explode all trees	1054
#2	("Superoxide Dismutase"):ti,ab,kw (Word variations have been searched)	3208
#3	MeSH descriptor: [Catalase] explode all trees	362
#4	("Catalase"):ti,ab,kw (Word variations have been searched)	1354
#5	MeSH descriptor: [Glutathione] explode all trees	879
#6	("Glutathione"):ti,ab,kw (Word variations have been searched)	4690
#7	MeSH descriptor: [Phospholipid Hydroperoxide Glutathione Peroxidase] explode all trees	3
#8	("Phospholipid Hydroperoxide Glutathione Peroxidase"):ti,ab,kw (Word variations have been searched)	6
#9	MeSH descriptor: [Glucosephosphate Dehydrogenase] explode all trees	52
#10	("Glucosephosphate Dehydrogenase"):ti,ab,kw (Word variations have been searched)	114
#11	MeSH descriptor: [Peroxiredoxins] explode all trees	1
#12	("Peroxiredoxins"):ti,ab,kw (Word variations have been searched)	27
#13	("NADPH quinone oxidoreductase"):ti,ab,kw (Word variations have been searched)	13
#14	MeSH descriptor: [Epoxide Hydrolases] explode all trees	34
#15	("Epoxide Hydrolases"):ti,ab,kw (Word variations have been searched)	57
#16	MeSH descriptor: [Ferritins] explode all trees	1376
#17	(Ferritins):ti,ab,kw (Word variations have been searched)	5950
#18	MeSH descriptor: [Transferrins] explode all trees	835
#19	(Transferrin):ti,ab,kw (Word variations have been searched)	2991
#20	MeSH descriptor: [Ceruloplasmin] explode all trees	99
#21	(Ceruloplasmin):ti,ab,kw (Word variations have been searched)	261
#22	MeSH descriptor: [Serum Albumin, Human] explode all trees	144
#23	("Serum Albumin, Human"):ti,ab,kw (Word variations have been searched)	125
#24	("Human Serum Albumin"):ti,ab,kw (Word variations have been searched)	341
#25	MeSH descriptor: [Uric Acid] explode all trees	1592
#26	("Uric acid"):ti,ab,kw (Word variations have been searched)	5754
#27	MeSH descriptor: [Bilirubin] explode all trees	1100
#28	("Bilirubin"):ti,ab,kw (Word variations have been searched)	11340
#29	("thioredoxin reductase"):ti,ab,kw (Word variations have been searched)	27
#30	MeSH descriptor: [Thioredoxin-Disulfide Reductase] explode all trees	9
#31	("Thioredoxin-Disulfide Reductase"):ti,ab,kw (Word variations have been searched)	0
#32	MeSH descriptor: [Glutaredoxins] explode all trees	0
#33	("Glutaredoxins"):ti,ab,kw (Word variations have been searched)	2
#34	MeSH descriptor: [Peptide Hydrolases] explode all trees	16348
#35	("Peptide Hydrolases"):ti,ab,kw (Word variations have been searched)	425
#36	("Protease"):ti,ab,kw (Word variations have been searched)	4491
#37	MeSH descriptor: [Proteasome Endopeptidase Complex] explode all trees	40
#38	("Proteasome Endopeptidase Complex"):ti,ab,kw (Word variations have been searched)	40
#39	("Proteasome"):ti,ab,kw (Word variations have been searched)	1021
#40	("Non-selenium-dependent glutathione peroxidase"):ti,ab,kw (Word variations have been searched)	0
#41	MeSH descriptor: [Phospholipases] explode all trees	234
#42	("Phospholipases"):ti,ab,kw (Word variations have been searched)	648
#43	("Phospholipase"):ti,ab,kw (Word variations have been searched)	652
#44	("DNA repair"):ti,ab,kw (Word variations have been searched)	832
#45	("Poly ADP-ribose"):ti,ab,kw (Word variations have been searched)	608
#46	MeSH descriptor: [Nitric Oxide] explode all trees	2766
#47	("Nitric Oxide"):ti,ab,kw (Word variations have been searched)	9469
#48	MeSH descriptor: [Oxidative Stress] explode all trees	4371
#49	("Oxidative Stress"):ti,ab,kw (Word variations have been searched)	14313
#50	MeSH descriptor: [Oxidation-Reduction] explode all trees	2990
#51	("Oxidation-Reduction"):ti,ab,kw (Word variations have been searched)	2282
#52	("Antioxidant defense system"):ti,ab,kw (Word variations have been searched)	164
#53	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #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 #26 OR #27 OR #28 OR #29 OR	

#30 OR #31 OR #32 OR #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40 OR #41 OR #42 OR #43 OR #44
OR #45 OR #46 OR #47 OR #48 OR #49 OR #50 OR #51 OR #52 73891

#54 ("Vitamin C"):ti,ab,kw (Word variations have been searched) 4741

#55 MeSH descriptor: [Ascorbic Acid] explode all trees 2823

#56 ("Ascorbic Acid"):ti,ab,kw (Word variations have been searched) 4335

#57 MeSH descriptor: [Dehydroascorbic Acid] explode all trees 12

#58 ("Dehydroascorbic Acid"):ti,ab,kw (Word variations have been searched) 27

#59 ("Ascorbate"):ti,ab,kw (Word variations have been searched) 4609

#60 MeSH descriptor: [Vitamin E] explode all trees 3133

#61 ("Vitamin E"):ti,ab,kw (Word variations have been searched) 5499

#62 MeSH descriptor: [Tocopherols] explode all trees 883

#63 ("Tocopherols"):ti,ab,kw (Word variations have been searched) 2945

#64 MeSH descriptor: [alpha-Tocopherol] explode all trees 719

#65 ("alpha-Tocopherol"):ti,ab,kw (Word variations have been searched) 2227

#66 MeSH descriptor: [Carotenoids] explode all trees 4735

#67 ("Carotenoids"):ti,ab,kw (Word variations have been searched) 1802

#68 MeSH descriptor: [beta Carotene] explode all trees 954

#69 ("beta Carotene"):ti,ab,kw (Word variations have been searched) 1808

#70 MeSH descriptor: [Lycopene] explode all trees 319

#71 ("Lycopene"):ti,ab,kw (Word variations have been searched) 771

#72 MeSH descriptor: [Retinoids] explode all trees 3187

#73 ("Retinoids"):ti,ab,kw (Word variations have been searched) 1019

#74 MeSH descriptor: [Vitamin A] explode all trees 2600

#75 ("Vitamin A"):ti,ab,kw (Word variations have been searched) 3506

#76 MeSH descriptor: [Xanthophylls] explode all trees 444

#77 ("Xanthophylls"):ti,ab,kw (Word variations have been searched) 343

#78 ("Retinol"):ti,ab,kw (Word variations have been searched) 2148

#79 MeSH descriptor: [Riboflavin] explode all trees 565

#80 ("Riboflavin"):ti,ab,kw (Word variations have been searched) 1131

#81 MeSH descriptor: [Pantothenic Acid] explode all trees 122

#82 ("Pantothenic Acid"):ti,ab,kw (Word variations have been searched) 226

#83 MeSH descriptor: [Pyridoxine] explode all trees 510

#84 ("Pyridoxine"):ti,ab,kw (Word variations have been searched) 1149

#85 MeSH descriptor: [Vitamin B 12] explode all trees 1184

#86 ("Vitamin B 12"):ti,ab,kw (Word variations have been searched) 1379

#87 MeSH descriptor: [Vitamin D] explode all trees 7930

#88 ("Vitamin D"):ti,ab,kw (Word variations have been searched) 15402

#89 MeSH descriptor: [Magnesium] explode all trees 1540

#90 ("Magnesium"):ti,ab,kw (Word variations have been searched) 9884

#91 MeSH descriptor: [Selenium] explode all trees 985

#92 ("Selenium"):ti,ab,kw (Word variations have been searched) 2530

#93 MeSH descriptor: [Glutathione] explode all trees 879

#94 ("Glutathione"):ti,ab,kw (Word variations have been searched) 4690

#95 MeSH descriptor: [Ubiquinone] explode all trees 745

#96 ("Ubiquinone"):ti,ab,kw (Word variations have been searched) 827

#97 ("Coenzyme Q"):ti,ab,kw (Word variations have been searched) 140

#98 ("Ubiquinol"):ti,ab,kw (Word variations have been searched) 144

#99 MeSH descriptor: [Acetylcysteine] explode all trees 1481

#100 ("Acetylcysteine"):ti,ab,kw (Word variations have been searched) 2746

#101 ("N-acetylcysteine"):ti,ab,kw (Word variations have been searched) 2115

#102 ("N-acetyl-L-cysteine"):ti,ab,kw (Word variations have been searched) 89

#103 MeSH descriptor: [Cysteine] explode all trees 1871

#104 ("Cysteine"):ti,ab,kw (Word variations have been searched) 1810

#105 MeSH descriptor: [Glycine] explode all trees 930

#106 ("Glycine"):ti,ab,kw (Word variations have been searched) 2672

#107 MeSH descriptor: [Serine] explode all trees 448

#108 ("Serine"):ti,ab,kw (Word variations have been searched) 1952

#109 MeSH descriptor: [Glutamine] explode all trees 844

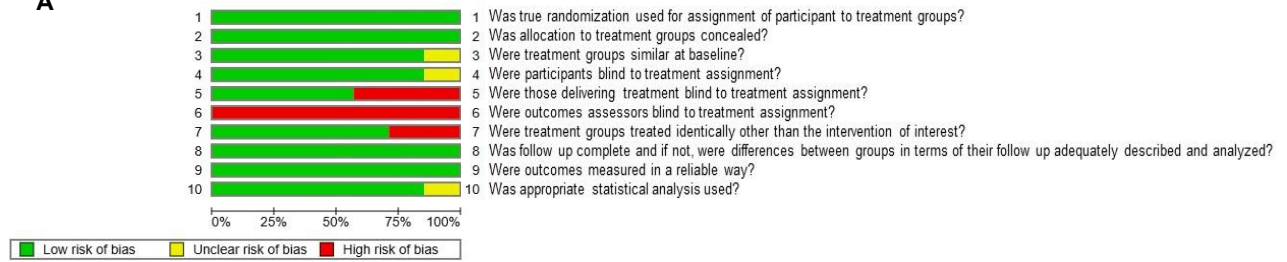
#110 ("Glutamine"):ti,ab,kw (Word variations have been searched) 2415

#111	MeSH descriptor: [Taurine] explode all trees	526	
#112	("Taurine"):ti,ab,kw (Word variations have been searched)	838	
#113	MeSH descriptor: [Tiopronin] explode all trees	22	
#114	("Tiopronin"):ti,ab,kw (Word variations have been searched)	61	
#115	MeSH descriptor: [Methionine] explode all trees	539	
#116	("Methionine"):ti,ab,kw (Word variations have been searched)	1265	
#117	("L-2-Oxothiazolidine-4-Carboxylate"):ti,ab,kw (Word variations have been searched)	8	
#118	MeSH descriptor: [Flavonoids] explode all trees	3294	
#119	("Flavonoids"):ti,ab,kw (Word variations have been searched)	1950	
#120	MeSH descriptor: [Anthocyanins] explode all trees	227	
#121	("Anthocyanins"):ti,ab,kw (Word variations have been searched)	697	
#122	MeSH descriptor: [Biflavonoids] explode all trees	37	
#123	("Biflavonoids"):ti,ab,kw (Word variations have been searched)	37	
#124	MeSH descriptor: [Catechin] explode all trees	451	
#125	("Catechin"):ti,ab,kw (Word variations have been searched)	768	
#126	MeSH descriptor: [Catechols] explode all trees	14505	
#127	("Catechols"):ti,ab,kw (Word variations have been searched)	740	
#128	MeSH descriptor: [Flavanones] explode all trees	175	
#129	("Flavanones"):ti,ab,kw (Word variations have been searched)	136	
#130	MeSH descriptor: [Flavones] explode all trees	150	
#131	("Flavones"):ti,ab,kw (Word variations have been searched)	91	
#132	MeSH descriptor: [Flavonolignans] explode all trees	221	
#133	("Flavonolignans"):ti,ab,kw (Word variations have been searched)	26	
#134	MeSH descriptor: [Flavonols] explode all trees	557	
#135	("Flavonols"):ti,ab,kw (Word variations have been searched)	175	
#136	MeSH descriptor: [Isoflavones] explode all trees	865	
#137	("Isoflavones"):ti,ab,kw (Word variations have been searched)	1324	
#138	MeSH descriptor: [Proanthocyanidins] explode all trees	115	
#139	("Proanthocyanidins"):ti,ab,kw (Word variations have been searched)	284	
#140	MeSH descriptor: [Phenols] explode all trees	38272	
#141	("Phenols"):ti,ab,kw (Word variations have been searched)	2320	
#142	MeSH descriptor: [Polyphenols] explode all trees	1096	
#143	("Polyphenols"):ti,ab,kw (Word variations have been searched)	2923	
#144	("phenolic acids"):ti,ab,kw (Word variations have been searched)	194	
#145	MeSH descriptor: [Cinnamates] explode all trees	292	
#146	("Cinnamates"):ti,ab,kw (Word variations have been searched)	128	
#147	MeSH descriptor: [Caffeic Acids] explode all trees	100	
#148	("Caffeic Acids"):ti,ab,kw (Word variations have been searched)	82	
#149	MeSH descriptor: [Capsaicin] explode all trees	796	
#150	("Capsaicin"):ti,ab,kw (Word variations have been searched)	1579	
#151	MeSH descriptor: [Curcumin] explode all trees	718	
#152	("Curcumin"):ti,ab,kw (Word variations have been searched)	1900	
#153	MeSH descriptor: [Glucosinolates] explode all trees	39	
#154	("Glucosinolates"):ti,ab,kw (Word variations have been searched)	103	
#155	MeSH descriptor: [Phytochemicals] explode all trees	564	
#156	("Phytochemicals"):ti,ab,kw (Word variations have been searched)	616	
#157	MeSH descriptor: [Phytosterols] explode all trees	502	
#158	("Phytosterols"):ti,ab,kw (Word variations have been searched)	613	
#159	MeSH descriptor: [Chlorogenic Acid] explode all trees	73	
#160	("Chlorogenic Acid"):ti,ab,kw (Word variations have been searched)	226	
#161	MeSH descriptor: [Coumaric Acids] explode all trees	43	
#162	("Coumaric Acids"):ti,ab,kw (Word variations have been searched)	72	
#163	MeSH descriptor: [Rosmarinic Acid] explode all trees	18	
#164	("Rosmarinic Acid"):ti,ab,kw (Word variations have been searched)	42	
#165	("Tyrosol"):ti,ab,kw (Word variations have been searched)	41	
#166	("Hydroxytyrosol"):ti,ab,kw (Word variations have been searched)	139	
#167	MeSH descriptor: [Fatty Acids, Omega-3] explode all trees	4473	
#168	("Fatty Acids, Omega-3"):ti,ab,kw (Word variations have been searched)	3036	
#169	("Omega-3 Fatty Acid"):ti,ab,kw (Word variations have been searched)	3923	

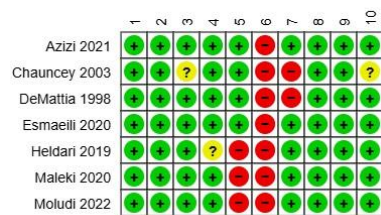
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 #172 MeSH descriptor: [Docosahexaenoic Acids] explode all trees 1676
 #173 ("Docosahexaenoic Acids"):ti,ab,kw (Word variations have been searched) 3561
 #174 MeSH descriptor: [alpha-Linolenic Acid] explode all trees 292
 #175 ("alpha-Linolenic Acid"):ti,ab,kw (Word variations have been searched) 564
 #176 ("alpha-lipoic acid"):ti,ab,kw (Word variations have been searched) 598
 #177 ("allicin"):ti,ab,kw (Word variations have been searched) 63
 #178 MeSH descriptor: [Antioxidants] explode all trees 6622
 #179 ("Antioxidants"):ti,ab,kw (Word variations have been searched) 17110
 #180 ("Oxidants"):ti,ab,kw (Word variations have been searched) 41133
 #181 #54 OR #55 OR #56 OR #57 OR #58 OR #59 OR #60 OR #61 OR #62 OR #63 OR #64 OR #65 OR #66 OR #67 OR #68 OR #69 OR #70 OR #71 OR #72 OR #73 OR #74 OR #75 OR #76 OR #77 OR #78 OR #79 OR #80 OR #81 OR #82 OR #83 OR #84 OR #85 OR #86 OR #87 OR #88 OR #89 OR #90 OR #91 OR #92 OR #93 OR #94 OR #95 OR #96 OR #97 OR #98 OR #99 OR #100 OR #101 OR #102 OR #103 OR #104 OR #105 OR #106 OR #107 OR #108 OR #109 OR #110 OR #111 OR #112 OR #113 OR #114 OR #115 OR #116 OR #117 OR #118 OR #119 OR #120 OR #121 OR #122 OR #123 OR #124 OR #125 OR #126 OR #127 OR #128 OR #129 OR #130 OR #131 OR #132 OR #133 OR #134 OR #135 OR #136 OR #137 OR #138 OR #139 OR #140 OR #141 OR #142 OR #143 OR #144 OR #145 OR #146 OR #147 OR #148 OR #149 OR #150 OR #151 OR #152 OR #153 AND #154 OR #155 OR #156 OR #157 OR #158 OR #159 OR #160 OR #161 OR #162 OR #163 OR #164 OR #165 OR #166 OR #167 OR #168 OR #169 OR #170 OR #171 OR #172 OR #173 OR #174 OR #175 OR #176 OR #177 OR #178 OR #179 OR #180 151714
 #182 MeSH descriptor: [Diabetes Mellitus] explode all trees 46361
 #183 ("Diabetes Mellitus"):ti,ab,kw (Word variations have been searched) 85707
 #184 MeSH descriptor: [Diabetes Mellitus, Type 2] explode all trees 26502
 #185 ("Diabetes Mellitus, Type 2"):ti,ab,kw (Word variations have been searched) 28294
 #186 MeSH descriptor: [Prediabetic State] explode all trees 1755
 #187 ("Prediabetic State"):ti,ab,kw (Word variations have been searched) 1843
 #188 MeSH descriptor: [Diabetes Complications] explode all trees 9927
 #189 ("Diabetes Complications"):ti,ab,kw (Word variations have been searched) 3009
 #190 ("Insulin"):ti,ab,kw (Word variations have been searched) 77983
 #191 MeSH descriptor: [Insulin Secretion] explode all trees 896
 #192 ("Insulin Secretion"):ti,ab,kw (Word variations have been searched) 3900
 #193 MeSH descriptor: [Insulin Resistance] explode all trees 9682
 #194 ("Insulin Resistance"):ti,ab,kw (Word variations have been searched) 17063
 #195 ("Homeostatic model Assessment"):ti,ab,kw (Word variations have been searched) 1280
 #196 ("HOMA"):ti,ab,kw (Word variations have been searched) 6799
 #197 MeSH descriptor: [Glycated Hemoglobin] explode all trees 8484
 #198 ("Glycated Hemoglobin"):ti,ab,kw (Word variations have been searched) 12170
 #199 ("HbA1c"):ti,ab,kw (Word variations have been searched) 26019
 #200 ("Fasting blood sugar"):ti,ab,kw (Word variations have been searched) 2447
 #201 #182 OR #183 OR #184 OR #185 OR #186 OR #187 OR #188 OR #189 OR #190 OR #191 OR #192 OR #193 OR #194 OR #195 OR #196 OR #197 OR #198 OR #199 OR #200 130256
 #202 #53 AND #181 AND #201 5412
 #203 ("randomized controlled trial"):ti,ab,kw (Word variations have been searched) 714996
 #204 ("controlled trial"):ti,ab,kw (Word variations have been searched) 756601
 #205 #203 OR #204 756601
 #206 #202 AND #205 2022
 #207 ("adult"):ti,ab,kw (Word variations have been searched) 885675
 #208 ("elderly"):ti,ab,kw (Word variations have been searched) 63470
 #209 ("older"):ti,ab,kw (Word variations have been searched) 129206
 #210 #207 OR #208 OR #209 948704
 #211 #206 AND #210 1575
 #212 ("human"):ti,ab,kw (Word variations have been searched) 1337815
 #213 #211 AND #212 **1589**

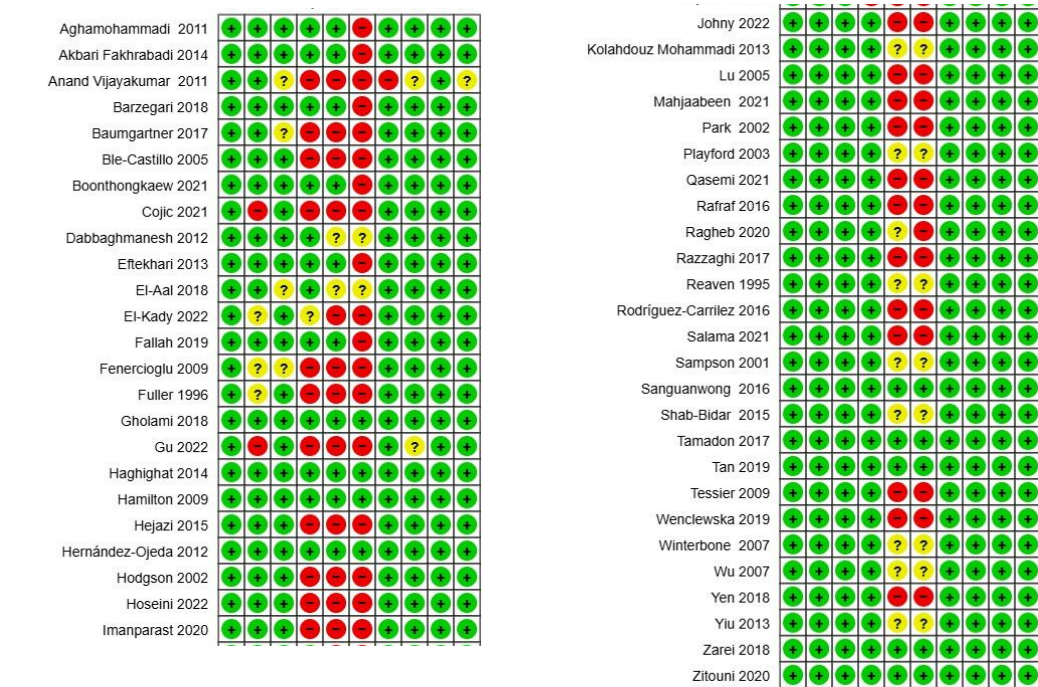
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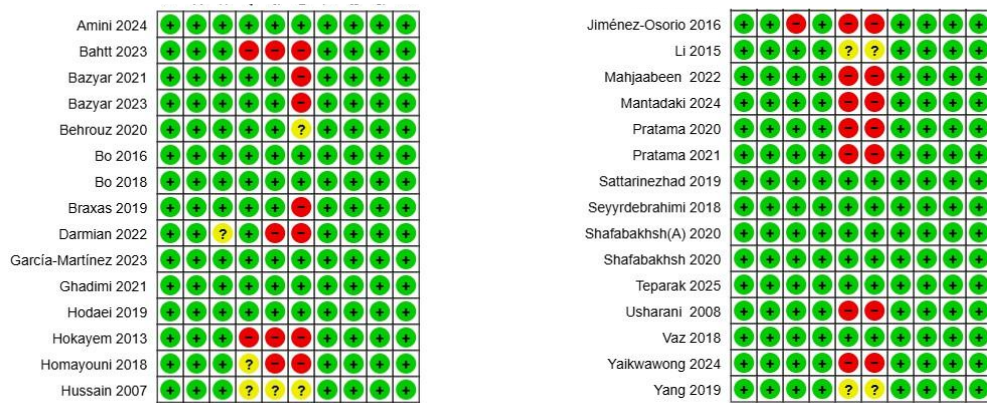


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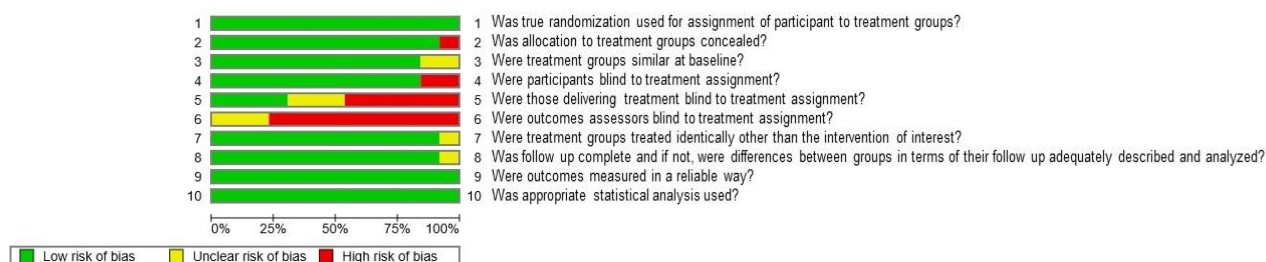




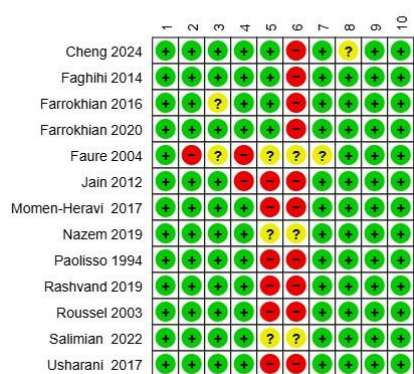
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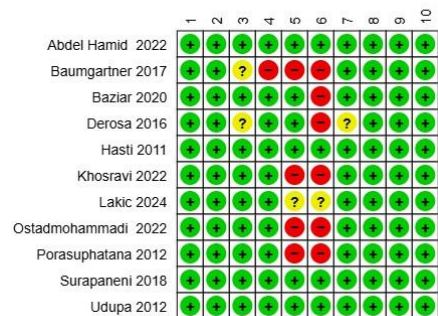
A



B



A



PRISMA 2020 Checklist

Section and Topic	Item #	Checklist item	Location where item is reported
TITLE			
Title	1	Identify the report as a systematic review.	1
ABSTRACT			
Abstract	2	See the PRISMA 2020 for Abstracts checklist.	2
INTRODUCTION			
Rationale	3	Describe the rationale for the review in the context of existing knowledge.	4-5
Objectives	4	Provide an explicit statement of the objective(s) or question(s) the review addresses.	5
METHODS			
Eligibility criteria	5	Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses.	6-7
Information sources	6	Specify all databases, registers, websites, organisations, reference lists and other sources searched or consulted to identify studies. Specify the date when each source was last searched or consulted.	6
Search strategy	7	Present the full search strategies for all databases, registers and websites, including any filters and limits used.	6
Selection process	8	Specify the methods used to decide whether a study met the inclusion criteria of the review, including how many reviewers screened each record and each report retrieved, whether they worked independently, and if applicable, details of automation tools used in the process.	7
Data collection process	9	Specify the methods used to collect data from reports, including how many reviewers collected data from each report, whether they worked independently, any processes for obtaining or confirming data from study investigators, and if applicable, details of automation tools used in the process.	6-7
Data items	10a	List and define all outcomes for which data were sought. Specify whether all results that were compatible with each outcome domain in each study were sought (e.g. for all measures, time points, analyses), and if not, the methods used to decide which results to collect.	8
	10b	List and define all other variables for which data were sought (e.g. participant and intervention characteristics, funding sources). Describe any assumptions made about any missing or unclear information.	7-8
Study risk of bias assessment	11	Specify the methods used to assess risk of bias in the included studies, including details of the tool(s) used, how many reviewers assessed each study and whether they worked independently, and if applicable, details of automation tools used in the process.	8
Effect measures	12	Specify for each outcome the effect measure(s) (e.g. risk ratio, mean difference) used in the synthesis or presentation of results.	8
Synthesis methods	13a	Describe the processes used to decide which studies were eligible for each synthesis (e.g. tabulating the study intervention characteristics and comparing against the planned groups for each synthesis (item #5)).	6-8
	13b	Describe any methods required to prepare the data for presentation or synthesis, such as handling of missing summary statistics, or data conversions.	6-8
	13c	Describe any methods used to tabulate or visually display results of individual studies and syntheses.	8-9
	13d	Describe any methods used to synthesize results and provide a rationale for the choice(s). If meta-analysis was performed, describe the model(s), method(s) to identify the presence and extent of statistical heterogeneity, and software package(s) used.	8-9
	13e	Describe any methods used to explore possible causes of heterogeneity among study results (e.g. subgroup analysis, meta-regression).	8-9
	13f	Describe any sensitivity analyses conducted to assess robustness of the synthesized results.	8-9
Reporting bias assessment	14	Describe any methods used to assess risk of bias due to missing results in a synthesis (arising from reporting biases).	8
Certainty assessment	15	Describe any methods used to assess certainty (or confidence) in the body of evidence for an outcome.	8-9

PRISMA 2020 Checklist

Section and Topic	Item #	Checklist item	Location where item is reported
RESULTS			
Study selection	16a	Describe the results of the search and selection process, from the number of records identified in the search to the number of studies included in the review, ideally using a flow diagram.	10
	16b	Cite studies that might appear to meet the inclusion criteria, but which were excluded, and explain why they were excluded.	10
Study characteristics	17	Cite each included study and present its characteristics.	10-18
Risk of bias in studies	18	Present assessments of risk of bias for each included study.	18
Results of individual studies	19	For all outcomes, present, for each study: (a) summary statistics for each group (where appropriate) and (b) an effect estimate and its precision (e.g. confidence/credible interval), ideally using structured tables or plots.	10-18
Results of syntheses	20a	For each synthesis, briefly summarise the characteristics and risk of bias among contributing studies.	18
	20b	Present results of all statistical syntheses conducted. If meta-analysis was done, present for each the summary estimate and its precision (e.g. confidence/credible interval) and measures of statistical heterogeneity. If comparing groups, describe the direction of the effect.	12, 14-15, 17
	20c	Present results of all investigations of possible causes of heterogeneity among study results.	12, 14-15, 17
	20d	Present results of all sensitivity analyses conducted to assess the robustness of the synthesized results.	12, 14-15, 17
Reporting biases	21	Present assessments of risk of bias due to missing results (arising from reporting biases) for each synthesis assessed.	18
Certainty of evidence	22	Present assessments of certainty (or confidence) in the body of evidence for each outcome assessed.	12, 14-15, 17
DISCUSSION			
Discussion	23a	Provide a general interpretation of the results in the context of other evidence.	19
	23b	Discuss any limitations of the evidence included in the review.	25-26
	23c	Discuss any limitations of the review processes used.	25-26
	23d	Discuss implications of the results for practice, policy, and future research.	25-26
OTHER INFORMATION			
Registration and protocol	24a	Provide registration information for the review, including register name and registration number, or state that the review was not registered.	6
	24b	Indicate where the review protocol can be accessed, or state that a protocol was not prepared.	6-7
	24c	Describe and explain any amendments to information provided at registration or in the protocol.	6-7
Support	25	Describe sources of financial or non-financial support for the review, and the role of the funders or sponsors in the review.	27
Competing interests	26	Declare any competing interests of review authors.	27
Availability of data, code and other materials	27	Report which of the following are publicly available and where they can be found: template data collection forms; data extracted from included studies; data used for all analyses; analytic code; any other materials used in the review.	27



PRISMA 2020 Checklist

From: Page MJ, McKenzie JE, Bossuyt PM, Boutron I, Hoffmann TC, Mulrow CD, et al. The PRISMA 2020 statement: an updated guideline for reporting systematic reviews. BMJ 2021;372:n71. doi: 10.1136/bmj.n71. This work is licensed under CC BY 4.0. To view a copy of this license, visit <https://creativecommons.org/licenses/by/4.0/>