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The Effects of Selenium Supplementation on Glucose Metabolism and Lipid Profiles Among Patients with Metabolic Diseases: A Systematic Review and Meta-Analysis of Randomized Controlled Trials

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Hormone and Metabolic Research, 2017, 49, 826-830.

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#	Paper	IF	Citations
33	Effect of Selenium Supplementation on Lipid Profile: A Systematic Review and Meta-Analysis. <i>Hormone and Metabolic Research</i> , 2018 , 50, 715-727	3.1	17
32	The effects of a novel combination of selenium and probiotic on weight loss, glycemic control and markers of cardio-metabolic risk in women with polycystic ovary syndrome. <i>Journal of Functional Foods</i> , 2018 , 46, 329-334	5.1	10
31	Selenium supplementation lowers insulin resistance and markers of cardio-metabolic risk in patients with congestive heart failure: a randomised, double-blind, placebo-controlled trial. <i>British Journal of Nutrition</i> , 2018 , 120, 33-40	3.6	19
30	The effects of alpha-lipoic acid supplementation on glucose control and lipid profiles among patients with metabolic diseases: A systematic review and meta-analysis of randomized controlled trials. <i>Metabolism: Clinical and Experimental</i> , 2018 , 87, 56-69	12.7	31
29	The effects of alpha-lipoic acid supplementation on inflammatory markers among patients with metabolic syndrome and related disorders: a systematic review and meta-analysis of randomized controlled trials. <i>Nutrition and Metabolism</i> , 2018 , 15, 39	4.6	26
28	The effects of melatonin supplementation on inflammatory markers among patients with metabolic syndrome or related disorders: a systematic review and meta-analysis of randomized controlled trials. <i>Inflammopharmacology</i> , 2018 , 26, 899-907	5.1	28
27	Plasma selenium levels and risk of new-onset diabetes in hypertensive adults. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019 , 56, 6-12	4.1	9
26	Effect of selenium supplementation on glycemic indices: a meta-analysis of randomized controlled trials. <i>Journal of Diabetes and Metabolic Disorders</i> , 2019 , 18, 349-362	2.5	5
25	Effect of selenium supplementation on lipid profile levels: An updated systematic review and meta-analysis of randomized controlled clinical trials. <i>Obesity Medicine</i> , 2019 , 15, 100113	2.6	4
24	The effects of alpha-lipoic acid supplementation on fasting glucose and lipid profiles among patients with stroke: a systematic review and meta-analysis of randomized controlled trials. <i>Journal of Diabetes and Metabolic Disorders</i> , 2019 , 18, 585-595	2.5	2
23	Effectiveness and safety of selenium supplementation for type 2 diabetes mellitus in adults: a systematic review of randomised controlled trials. <i>Journal of Human Nutrition and Dietetics</i> , 2019 , 32, 635-645	3.1	6
22	Probiotic and selenium co-supplementation, and the effects on clinical, metabolic and genetic status in Alzheimer's disease: A randomized, double-blind, controlled trial. <i>Clinical Nutrition</i> , 2019 , 38, 2569-2575	5.9	102
21	Association of serum copper, zinc and selenium levels with risk of metabolic syndrome: A nested case-control study of middle-aged and older Chinese adults. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019 , 52, 209-215	4.1	13
20	Effects of Selenium Supplementation on Metabolic Status in Patients Undergoing for Coronary Artery Bypass Grafting (CABG) Surgery: a Randomized, Double-Blind, Placebo-Controlled Trial. <i>Biological Trace Element Research</i> , 2019 , 191, 331-337	4.5	5
19	A nutrient cocktail prevents lipid metabolism alterations induced by 20 days of daily steps reduction and fructose overfeeding: result from a randomized study. <i>Journal of Applied Physiology</i> , 2019 , 126, 88-101	3.7	14
18	The Effects of Selenium Supplementation on Gene Expression Related to Insulin and Lipid Metabolism, and Pregnancy Outcomes in Patients with Gestational Diabetes Mellitus: a Randomized, Double-Blind, Placebo-Controlled Trial. <i>Biological Trace Element Research</i> , 2020 , 195, 1-8	4.5	9
17	Association of circulating selenium concentration with dyslipidemia: Results from the NHANES. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020 , 58, 126438	4.1	15

16	Brazil nut prevents oxidative DNA damage in type 2 diabetes patients. <i>Drug and Chemical Toxicology</i> , 2020 , 1-7	2.3	5
15	Genetically predicted selenium is negatively associated with serum TC, LDL-C and positively associated with HbA1C levels. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021 , 67, 126785	4.1	3
14	The association of serum selenium with serum lipids in US adults. <i>E3S Web of Conferences</i> , 2021 , 271, 03066	0.5	
13	Maternal malnutrition and anaemia in India: dysregulations leading to the thin-fat phenotype in newborns. <i>Journal of Nutritional Science</i> , 2021 , 10, e91	2.7	0
12	The effects of selenium administration on carotid intima-media thickness and metabolic status in diabetic hemodialysis patients: A randomized, double-blind, placebo-controlled trial.. <i>Clinical Nutrition ESPEN</i> , 2022 , 47, 58-62	1.3	1
11	The effects of dietary supplements and natural products targeting glucose levels: an overview.. <i>Critical Reviews in Food Science and Nutrition</i> , 2022 , 1-30	11.5	
10	The Role of Selenoprotein Tissue Homeostasis in MetS Programming: Energy Balance and Cardiometabolic Implications.. <i>Antioxidants</i> , 2022 , 11,	7.1	0
9	The effects of selenium plus probiotics supplementation on glycemic status and serum lipoproteins in patients with gestational diabetes mellitus: A randomized, double-blind, placebo-controlled trial.. <i>Clinical Nutrition ESPEN</i> , 2022 , 48, 56-62	1.3	1
8	Effects of sodium selenite and selenium-enriched yeast on cardiometabolic indices of patients with atherosclerosis: A double-blind randomized clinical trial study.. <i>Journal of Cardiovascular and Thoracic Research</i> , 2021 , 13, 314-319	1.3	0
7	Gene-environment interaction analysis of redox-related metals and genetic variants with plasma metabolic patterns in a general population from Spain: The Horteiga Study.. <i>Redox Biology</i> , 2022 , 52, 102314	11.3	1
6	Associations between Circulating SELENOP Level and Disorders of Glucose and Lipid Metabolism: A Meta-Analysis. <i>Antioxidants</i> , 2022 , 11, 1263	7.1	0
5	The effects of selenium supplementation on glycemic control, serum lipoproteins and biomarkers of oxidative stress in infertile women diagnosed with polycystic ovary syndrome undergoing in vitro fertilization: A randomized, double-blind, placebo-controlled trial. 2022 ,		0
4	Effects of nutrition on metabolic and endocrine outcomes in women with polycystic ovary syndrome: an umbrella review of meta-analyses of randomized controlled trials.		0
3	Potential Benefits of Selenium Supplementation in Reducing Insulin Resistance in Patients with Cardiometabolic Diseases: A Systematic Review and Meta-Analysis. 2022 , 14, 4933		0
2	Role of selenium in type 2 diabetes, insulin resistance and insulin secretion. 14, 147-158		0
1	Higher Levels of Blood Selenium are Associated with Higher Levels of Serum Lipid Profile in US Adults with CKD: Results from NHANES 2013-2018.		0