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Effect of short term hazelnut consumption on DNA damage and oxidized-LDL in children and adolescents with primary hyperlipidemia: a randomised controlled trial

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KEYWORDS

Primary hyperlipidemia; children; hazelnuts; oxidative stress; DNA damage; oxidized-LDL

Abbreviations: BMI, body mass index; CI, confidence interval; CVD, cardiovascular disease; FCHL, familial combined hyperlipidemia; FH, familial hypercholesterolemia; FPG, formamidopyrimidine DNA glycosylase; HDL-C, high-density lipoprotein cholesterol; HZN+S, hazelnuts with skin; HZN-S, hazelnuts without skin; LDL-C, low-density lipoprotein cholesterol; MUFA, monounsaturated fatty acids; non-HDL-C, non-high density lipoprotein cholesterol; ox-LDL, oxidized LDL; PBMC, peripheral blood mononuclear cell; PHC, polygenic hypercholesterolemia; SD, standard deviation; TC, total cholesterol; TG, triglycerides.

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