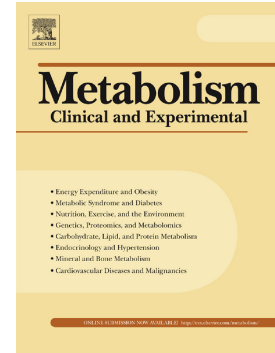


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Circulating bile acids in healthy adults respond differently to a dietary pattern characterized by whole grains, legumes and fruits and vegetables compared to a diet high in refined grains and added sugars: a randomized, controlled, crossover feeding study

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Key words: bile acid, insulin resistance, FXR, dietary patterns, whole grains, feeding study

Abbreviations: ASBT, apical sodium-dependent bile acid transporter; BMI, body mass index; CA, cholic acid; CA-D4, cholic acid-2,2,4,4-D4; CARB, Carbohydrate and Related Biomarkers; CDCA, chenodeoxycholic acid; CRP, C-reactive protein; CV, coefficient of variation; DCA, deoxycholic acid; DCA-D4, deoxycholic acid-2,2,4,4-D4; DXA, dual-energy X-ray absorptiometry; FDR, false discovery rate; FXR, farnesoid X receptor; GCDCA, glycochenodeoxycholic acid; GCDCA-D4,

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