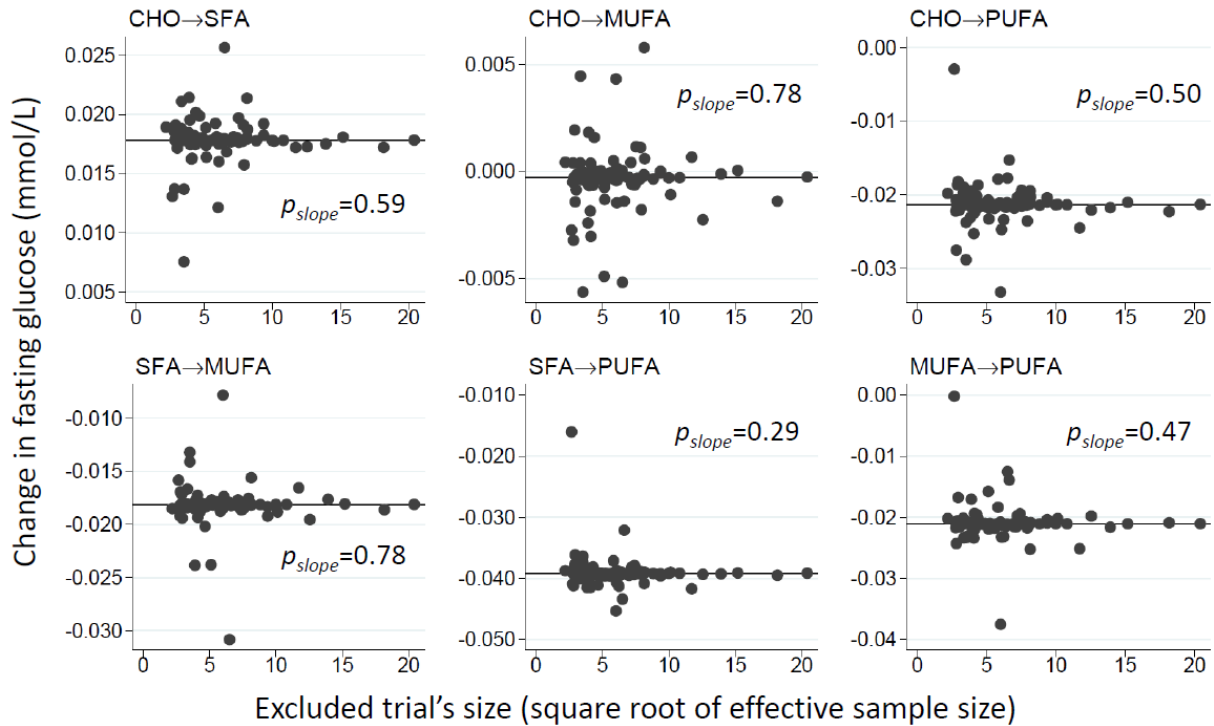
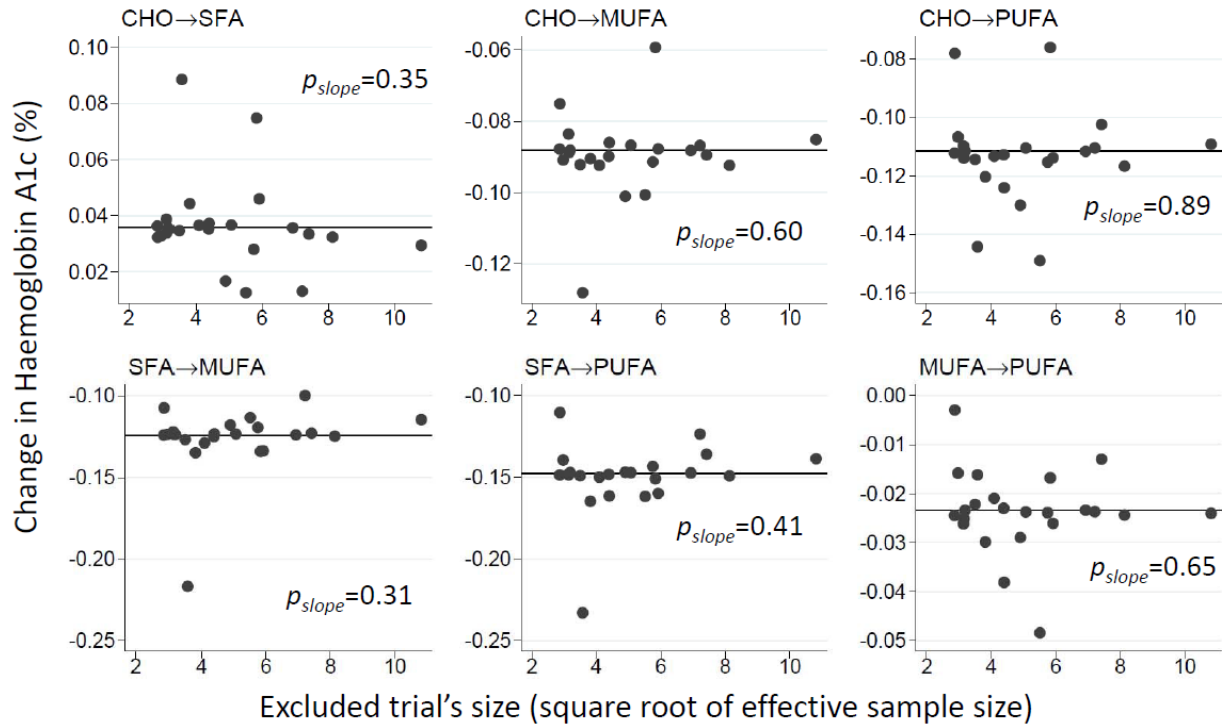


A. Fasting glucose

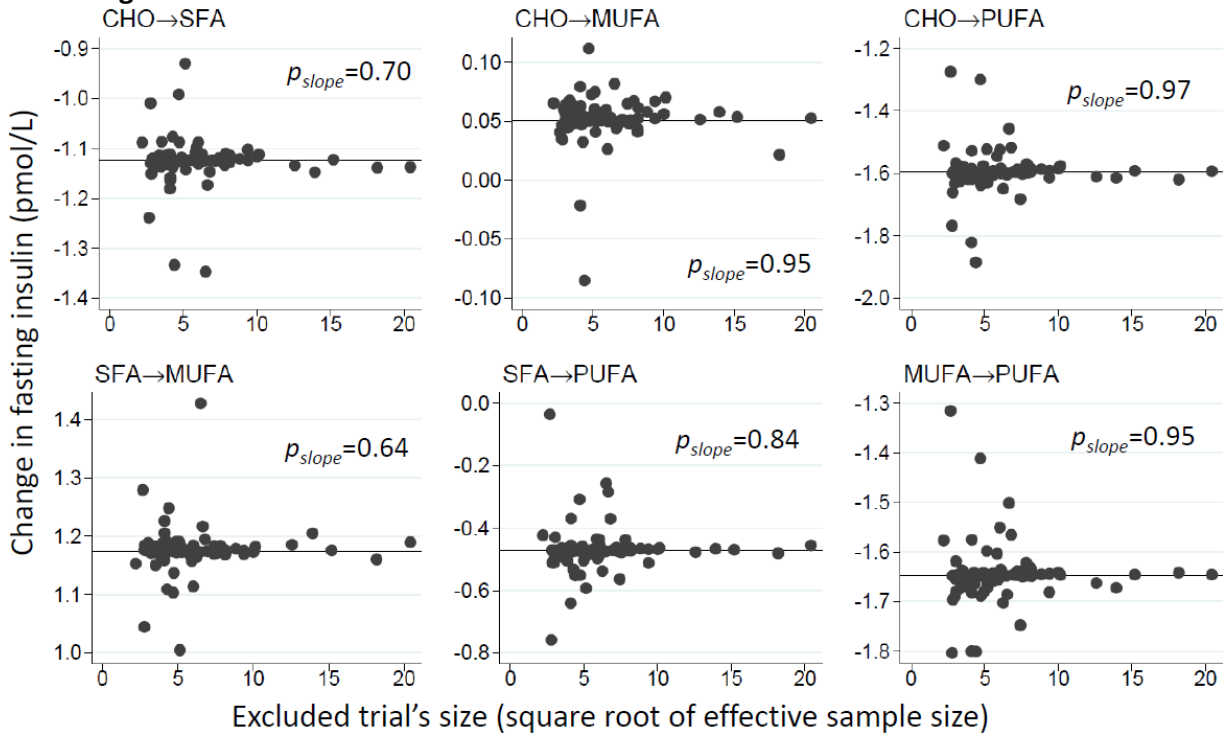


S2 Fig. Assessment for small study bias in meta-regression using influence analysis, evaluating effects of isocaloric exchange of 5% energy between different macronutrients on A) fasting glucose, B) haemoglobin A1c, and C) fasting insulin. 1 mg/dL=0.056 mmol/L for glucose, 1 μ U/mL=6 pmol/L, HbA1 mmol/mol=(HbA1c % - 2.15) \times 10.929. For each comparison, the solid horizontal line represents the overall meta-regression estimate of effects; and each circle represents repeated meta-regression estimates of effects after excluding each single trial individually, plotted against the excluded trial's size (square root of effective sample size, accounting for within-trial correlations). Substantial asymmetry of the estimates excluding smaller trials (left-hand side) around the overall estimate would suggest potential publication bias. Linear regression of the points (analogous to Egger's test) and a test for symmetry did not identify any significant deviation from the null that would suggest publication bias ($p>0.2$ for any of the panels examined).

B. Haemoglobin A1c



C. Fasting insulin



S2 Fig (continued).