

## Two sample MR report

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### cardiac troponin I against Coronary artery disease

Date: **22 August, 2025**

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#### Results from two sample MR:

method	nsnp	b	se	pval
MR Egger	11	-0.4144458	0.3298603	0.2405921
Weighted median	11	-0.2411099	0.1036780	0.0200418
Inverse variance weighted	11	-0.1966535	0.0965360	0.0416400
Simple mode	11	-0.2085026	0.1828661	0.2807785
Weighted mode	11	-0.2222246	0.1909574	0.2715443

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#### Heterogeneity tests

method	Q	Q_df	Q_pval
MR Egger	18.55276	9	0.029276
Inverse variance weighted	19.54067	10	0.033909

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#### Test for directional horizontal pleiotropy

egger_intercept	se	pval
0.0114745	0.0165751	0.5062337

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#### Test that the exposure is upstream of the outcome

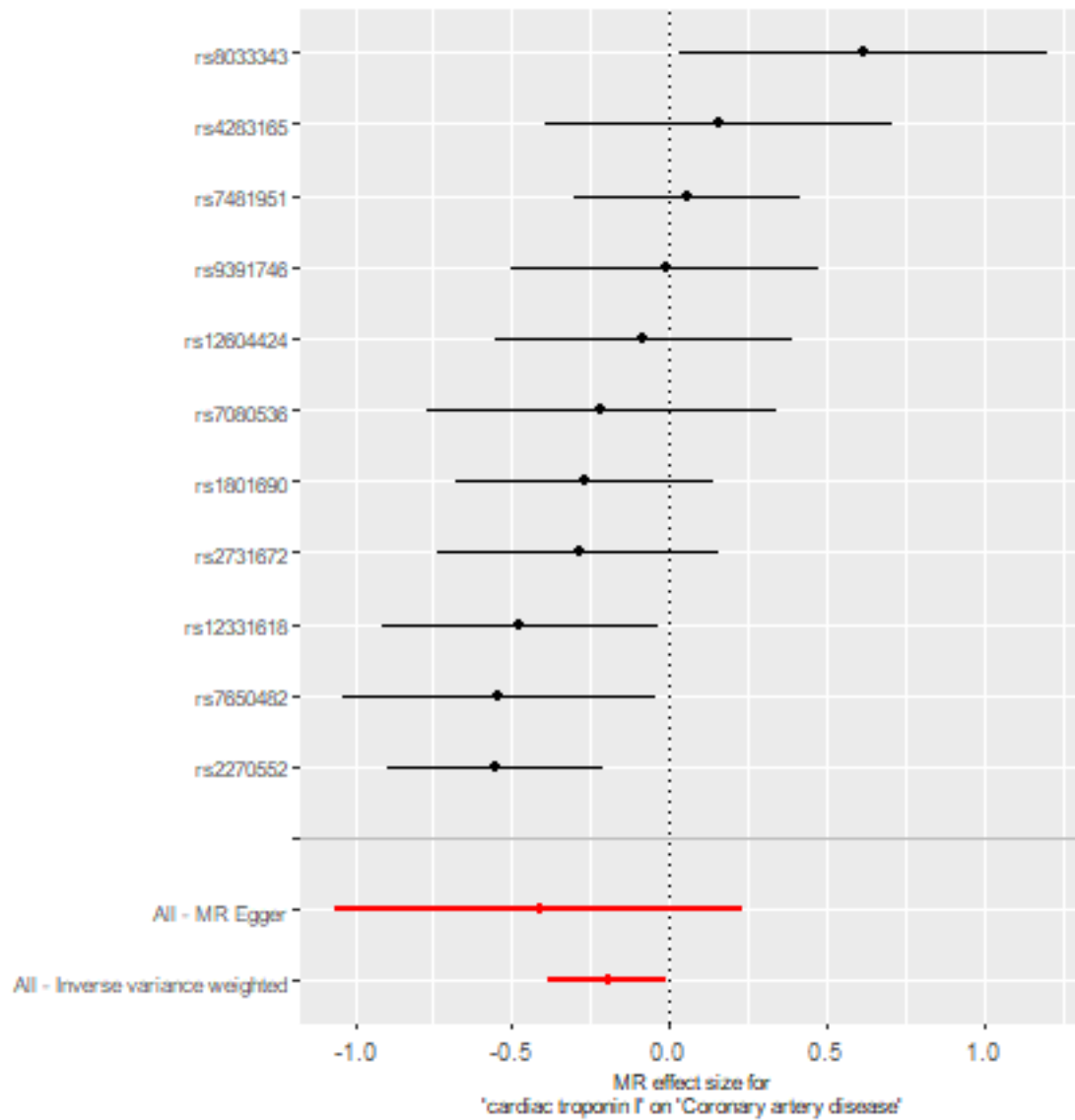
snp_r2.exposure	snp_r2.outcome	correct_causal_direction	steiger_pval
0.0115987	0.00015	TRUE	0

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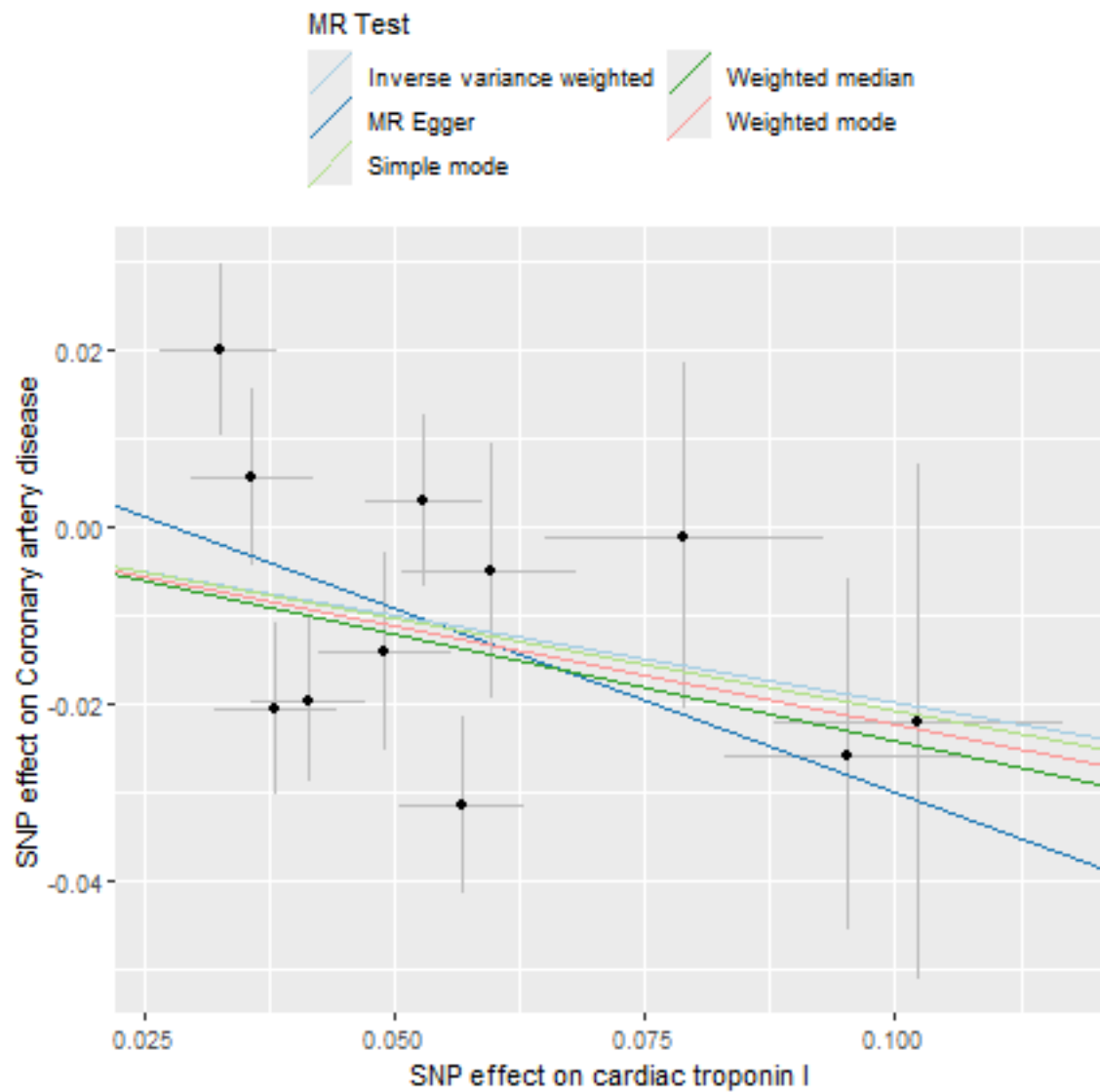
Note -  $R^2$  values are approximate

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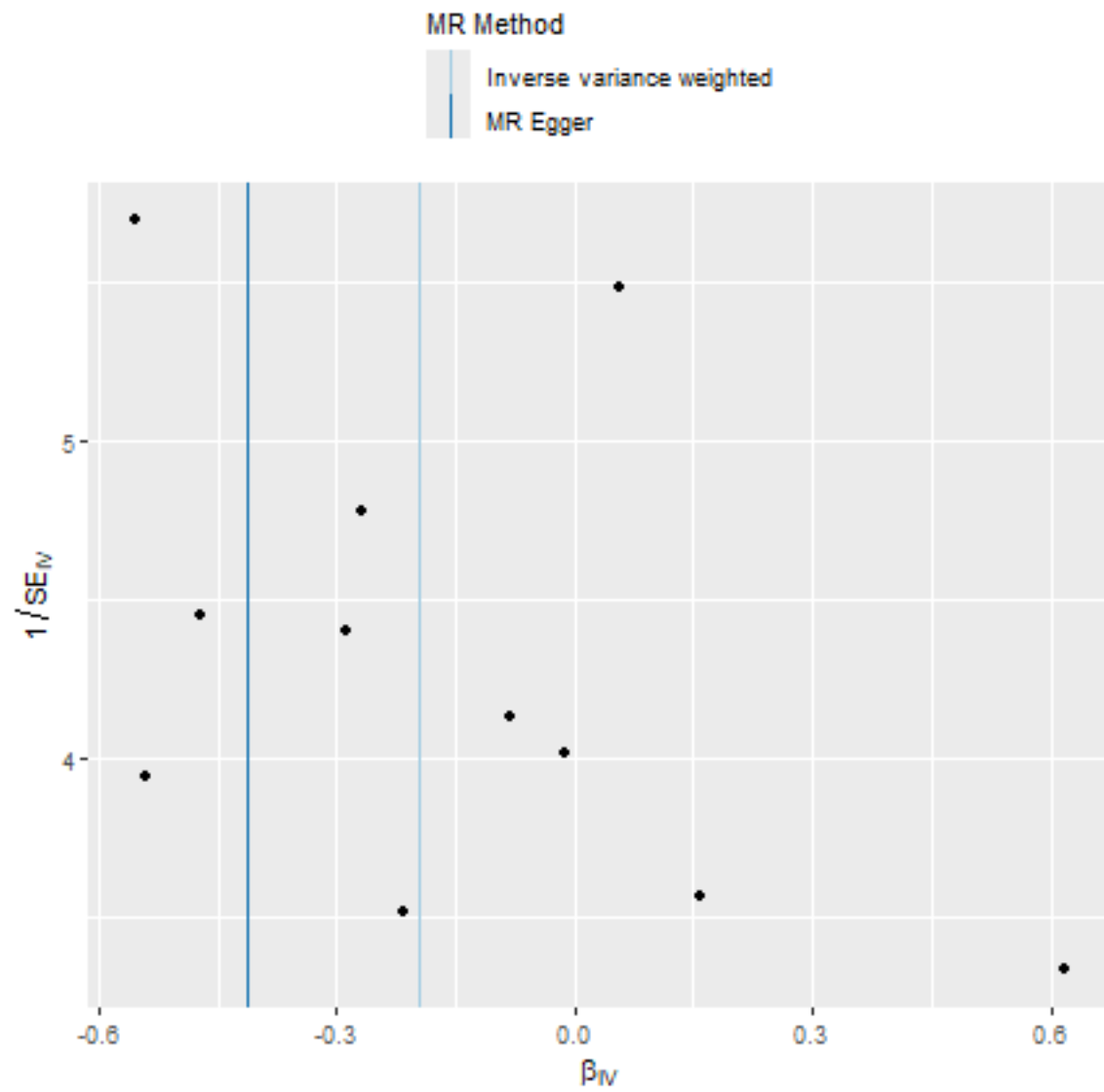
Forest plot of single SNP MR



## Comparison of results using different MR methods



Funnel plot



Leave-one-out sensitivity analysis

