**Table Supplement 6 Causal associations between genetically determined HT, SBP, DBP and AF**

|  |  |  |  |
| --- | --- | --- | --- |
| Exposure-outcome | Method |  | Causal estimate |
| SNP | OR | 95%CI |  P value |
| HT→AF | MR Egger | 3 | 1.92  | 0.82  | 4.51  | 0.38  |
| Weighted median | 3 | 1.71  | 0.97  | 3.02  | 0.06  |
| IVW | 3 | 1.90  | 1.18  | 3.04  | 0.01  |
| Weighted mode | 3 | 1.67  | 0.87  | 3.22  | 0.27  |
| Test for Heterogeneity: P = 0.42 (MR-Egger) and P =0.72 (IVW) |  |
| Test for Horizontal pleiotropy: MR-Egger intercept =-0.000018, se=0.00055, P=0.97 |  |
| SBP→AF | MR Egger | 142 | 1.05  | 0.98  | 1.12  | 0.13  |
| Weighted median | 142 | 1.04  | 1.01  | 1.07  | 0.02  |
| IVW | 142 | 1.03  | 1.01  | 1.05  | 0.01  |
| Weighted mode | 142 | 1.08  | 1.00  | 1.17  | 0.05  |
| Test for Heterogeneity: P = 0.88 (MR-Egger) and P =0.88 (IVW) |  |
| Test for Horizontal pleiotropy: MR-Egger intercept =-0.000053, se=0.000072, P=0.46 |  |
| DBP→AF | MR Egger | 157 | 1.00  | 0.93  | 1.07  | 1.00  |
| Weighted median | 157 | 1.02  | 0.99  | 1.06  | 0.11  |
| IVW | 157 | 1.02  | 1.00  | 1.04  | 0.03  |
| Weighted mode | 157 | 1.09  | 1.02  | 1.17  | 0.02  |
| Test for Heterogeneity: P = 0.72 (MR-Egger) and P =0.73 (IVW) |  |
| Test for Horizontal pleiotropy: MR-Egger intercept =0.000049, se=0.000074, P=0.50 |  |

HT, Hypertension; SBP, Systolic blood pressure (10 mmHg); DBP, Diastolic blood pressure (10 mmHg); AF, Atrial fibrillation; SNP, single-nucleotide polymorphism; OR, Odds ratio; CI, Confidence interval; Inverse variance weighted, IVW.