**Table 5: Mendelian randomization analysis of genetically instrumented lipid levels and risk of ICH.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Mendelian Randomization**  **Method** | **Instrument** | **Total Cholesterol** | | **LDL Cholesterol** | |
| **OR (95%CI)** | **P** | **OR (95%CI)** | **P** |
| **Ratio method** | Polygenic risk score  using on individual level data | 0.77 (0.6 - 0.98) | 0.03 | 0.59 (0.42 - 0.82) | 0.002 |
| **IVW** | Multiple SNPs  using summary level data | 0.84 (0.72 - 0.99) | 0.04 | 0.65 (0.52 - 0.82) | <0.001 |
| **Weighted median** | Multiple SNPs  using summary level data | 0.95 (0.72 - 1.30) | 0.74 | 0.79 (0.56 - 1.10) | 0.20 |
| **MR-Egger**  **(Causal estimates)** | Multiple SNPs  using summary level data | 0.87 (0.66 - 1.20) | 0.33 | 0.72 (0.48 - 1.10) | 0.10 |
| **MR-Egger**  **(Intercept)** | Multiple SNPs  using summary level data | 1.00 (0.99 - 1.01) | 0.81 | 1.00 (0.98 - 1.01) | 0.59 |

**Acronyms:** ICH: intracerebral hemorrhage; LDL: low-density lipoprotein; OR: odds ratio; CI: confidence interval; SNPs: single nucleotide polymorphisms; IVW: inverse variance weighted.