

Supplementary Table 1. Comparison of AUC among each parameter for predicting IR and ALT elevation

| Variable | HOMA-IR | METS-IR | TyG | TG/HDL-C | SPISE |
|---------------|---------|---------|--------|----------|-------|
| IR | | | | | |
| METS-IR | | Ref | | | |
| TyG | | <0.001 | Ref | | |
| TG/HDL-C | | <0.001 | 0.409 | Ref | |
| SPISE | | 0.208 | <0.001 | <0.001 | Ref |
| ALT elevation | | | | | |
| HOMA-IR | Ref | | | | |
| METS-IR | <0.001 | Ref | | | |
| TyG | <0.001 | <0.001 | Ref | | |
| TG/HDL-C | 0.001 | <0.001 | 0.006 | Ref | |
| SPISE | <0.001 | 0.262 | <0.001 | <0.001 | Ref |

Values are presented as *P* values. Delong's method was used to perform pairwise comparisons between areas under the receiver operating curves for the parameters.

AUC, area under the receiver operating characteristic curve; IR, insulin resistance; ALT, alanine aminotransferase; HOMA-IR, homeostasis model assessment of insulin resistance; METS-IR, the metabolic score for insulin resistance; TyG, triglyceride-glucose index; TG, triglyceride; HDL-C, high-density lipoprotein cholesterol; SPISE, single-point insulin sensitivity estimator.