Supplementary Table S5. Pairwise Spearman rank consistency of SHAP-based feature rankings across outer evaluations.

Classifier	Mean pairwise Spearman rank correlation	SD	N comparisons
LightGBM	0.437	0.45	4950
Logistic Regression	0.435	0.504	4950
Random Forest	0.141	0.583	4950
SVM	0.068	0.623	4950
XGBoost	0.105	0.57	4950

Pairwise Spearman correlations were calculated between SHAP-based feature-importance rank orders across outer evaluations. Lower values indicate greater sensitivity of feature ranking to cross-validation partitioning. These results support cautious interpretation of SHAP rankings as exploratory rather than clinically stable.