

Supplementary material

Supplementary Table 1 Collinearity diagnostics for variables included in the multivariable logistic regression model

Variable	Coding	Tolerance	VIF
Lesion size	≥20 mm vs <20 mm	0.700	1.428
Paris IIc morphology	Yes vs no	0.648	1.543
Surface redness	Present vs absent	0.626	1.598
H. pylori status	Current vs past/never infection	0.868	1.152
NBI-modified Kyoto score	≥4 vs <4	0.829	1.206

Note: Tolerance > 0.20 and VIF < 5 were considered to indicate no substantial multicollinearity. VIF: Variance inflation factor; NBI: Narrow-band imaging; *H. pylori*: Helicobacter pylori.

Supplementary Table 2 Hierarchical sensitivity analysis of the incremental predictive value of the NBI-modified Kyoto score

Model	Variables included	OR for NBI-modified Kyoto score ≥4 (95%CI)	P value	AUC (95%CI)
Model 1	Lesion size ≥20 mm	1.459 [0.755, 2.819]	0.261	0.669 [0.597, 0.714]
	Paris IIc morphology,	1.562 [1.029, 2.371]	0.036	
	surface redness,	1.189 [0.597, 2.369]	0.622	
	H. pylori status	1.902 [1.070, 3.380]	0.028	
Model 2	Model 1 + NBI-modified Kyoto score ≥4	9.612 [5.108, 18.084]	<0.001	0.870 [0.821, 0.920]

Note: Model 1 included lesion size ≥ 20 mm, Paris type IIc morphology, lesion surface redness, and current *H. pylori* infection. Model 2 included all variables in Model 1 plus the NBI-modified Kyoto score ≥ 4 . For Model 2, the reported OR refers to the additionally entered NBI-modified Kyoto score ≥ 4 . AUCs were calculated for each model. OR: Odds ratio; CI: Confidence interval; AUC: Area under the receiver operating characteristic curve; NBI: Narrow-band imaging; *H. pylori*: *Helicobacter pylori*.