Diagnostic Performance of Node Reporting and Data System (Node-RADS) for Regional Lymph Node Staging of Gastric Cancer by CT

Electronic Supplementary Material (ESM)

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Additional Criteria	Sensitivity	Specificity	Youden's Index
Clustering	32.4% CI: 18.0%-49.8%	90.7% CI: 79.7%-96.9%	0.23 CI: 0.08-0.42
Hyperenhancement	5.4% CI: 0.66-18.2%	100.0% CI: 93.4%-100.0%	0.05 CI: 0.00-0.16
Feeding Vessel	0.0% CI: 0.0-9.5%	98.1% CI: 90.1%-100.0%	-0.02 CI: -0.13-0

Supplementary Table S1. Results for additional criteria. Sensitivity, specificity and Youden's index for the additional criteria clustering, hyperenhancement and presence of feeding vessel. CI: 95% confidence interval.

	Primary surgery (*n* = 31)			Neoadjuvant chemotherapy (*n* = 60)		
	Sensitivity	**Specificity**	**Youden's Index**	**Sensitivity**	**Specificity**	**Youden's Index**
Size criterion cut-off value						
9 mm	25.0% CI: 3.2-65.1%	78.3% CI: 56.3-92.5%	0.03 CI: 0.00-0.10	72.4% CI: 52.8-87.3%	71.0% CI: 52.0-85.8%	0.43 CI: 0.17-0.63
10 mm	25.0% CI: 3.2-65.1%	87.0% CI: 66.4-97.2%	0.12 CI: 0.01-0.46	65.5% CI: 45.7-82.1%	87.1% CI: 70.2-96.4%	0.53 CI: 0.29-0.73
Configuration criterion						
Texture – any change	25.0% CI: 3.2-65.1%	82.6% CI: 61.2-95.0%	0.08 CI: 0.00-0.26	65.5% CI: 45.7-82.1%	80.6% CI: 62.5-92.5%	0.46 CI: 0.19-0.64
Border contour – any change	37.5% CI: 8.5-75.5%	69.6% CI: 47.1-86.8%	0.07 CI: 0.01-0.24	75.9% CI: 56.5-89.7%	67.7% CI: 48.6-83.3%	0.44 CI: 0.18-0.64
Spheric shape	25.0% CI: 3.2-65.1%	69.6% CI: 47.1-86.8%	-0.05 CI: -0.17-0.01	58.6% CI: 38.9-76.5%	74.2% CI: 55.4-88.1%	0.33 CI: 0.06-0.54
Node-RADS						
Node-RADS score ≥ 3	25.0% CI: 3.2-65.1%	91.3% CI: 72.0-98.9%	0.16 CI: 0.01-0.58	65.5% CI: 45.7-82.1%	90.3% CI: 74.2-98.0%	0.55 CI: 0.32-0.73
Node-RADS score ≥ 4	25.0% CI: 3.2-65.1%	100.0% CI: 85.2-100.0%	0.25 CI: 0.00-0.63	55.2% CI: 35.7-73.6%	96.8% CI: 83.3-99.9%	0.52 CI: 31.5-69.2

Supplementary Table S2. Comparison of subgroups with primary surgery vs. neoadjuvant chemotherapy for criteria with best diagnostic performance. CI: 95% confidence interval.