

## Supplementary

**Table S1** Cross tabulation of SS against IAD

Variables	SS $\leq$ 5 mm	% in SS $\leq$ 5 mm	SS >5 mm	% in SS >5 mm
AIS-MIA	50	53.2	11	13.8
IAD	44	46.8	141	86.2
Total	94	100.0	152	100.0

SS, solid size; IAD, invasive adenocarcinoma; AIS, adenocarcinoma in situ; MIA, minimally invasive adenocarcinoma.

**Table S2** Cross tabulation of SV against IAD

Variables	SV $\leq$ 300 mm <sup>3</sup>	% in SV $\leq$ 300 mm <sup>3</sup>	SV >300 mm <sup>3</sup>	% in SV >300 mm <sup>3</sup>
AIS-MIA	44	51.2	17	10.6
IAD	42	48.8	143	89.4
Total	86	100.0	160	100.0

SV, solid volume; IAD, invasive adenocarcinoma; AIS, adenocarcinoma in situ; MIA, minimally invasive adenocarcinoma.

**Table S3** Diagnostic abilities of SS and SV for Aggressive IAD

TS	Parameters	Sensitivity	Specificity	PPV	NPV	Accuracy
Total	SS	0.70	0.71	0.20	0.96	0.71
	SV	0.74	0.64	0.17	0.96	0.65
0–2.0 cm	SS	0.50	0.86	0.11	0.98	0.85
	SV	0.50	0.89	0.16	0.98	0.87
2.1–3.0 cm	SS	0.73	0.52	0.23	0.91	0.56
	SV	0.78	0.33	0.18	0.89	0.40

SS, solid size; SV, solid volume; IAD, invasive adenocarcinoma; TS, total size; PPV, positive predictive value; NPV, negative predictive value.