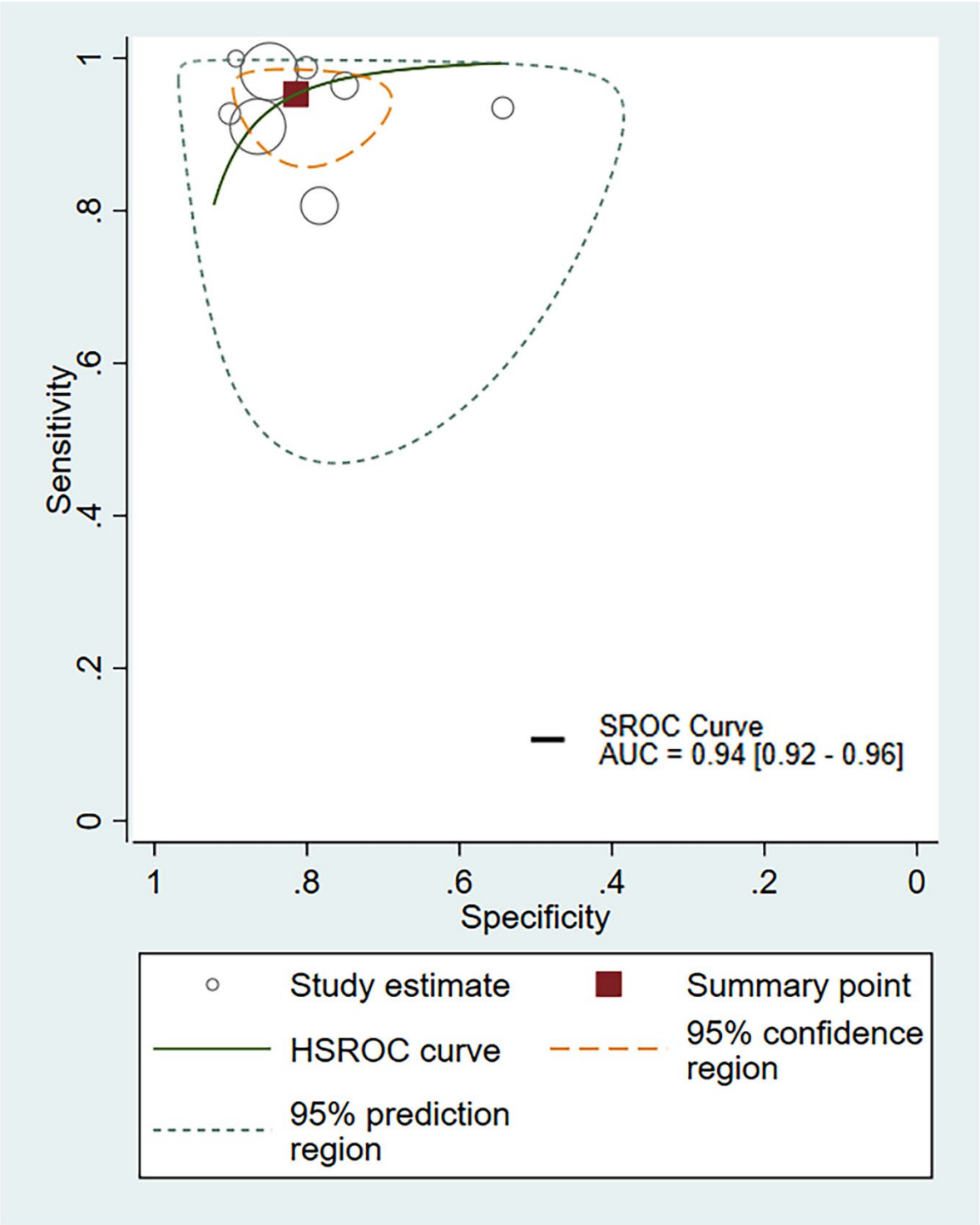
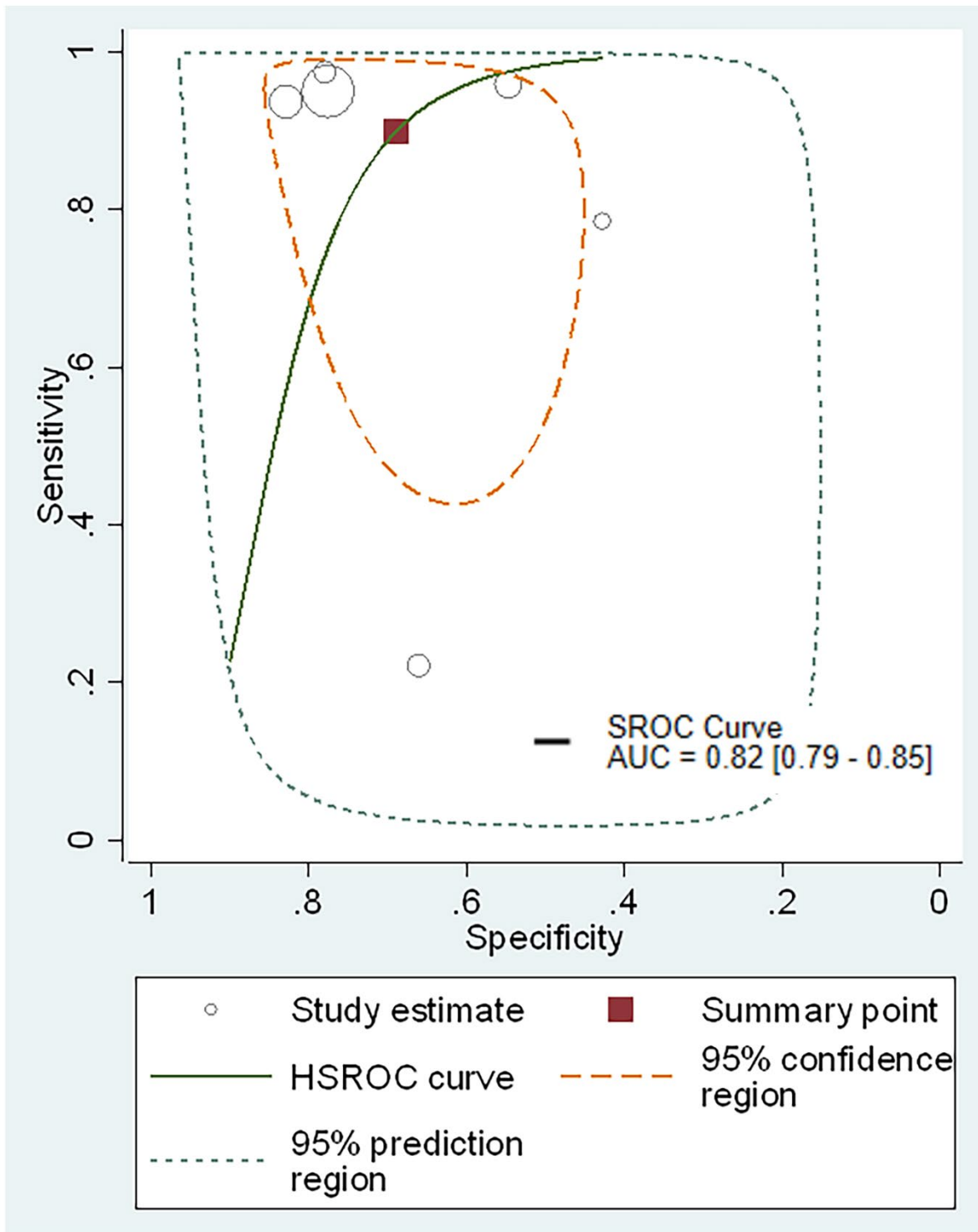


Supplementary figures



Supplementary figure 1. The HSROC curve for HAL diagnosing NMIBC comparing with WLC in lesion level.



Supplementary figure 2. The HSROC curve for 5-ALA diagnosing NMIBC comparing with WLC in lesion level.

Supplementary tables

Supplementary Table 1: Sensitivity analysis of DTA for NBI (6 studies) with low to moderate RoB.

	Sensitivity	Specificity	PPV	NPV	FP	FN
Median	95.85%	74.99%	79.84%	99.33%	25.01%	4.15%
(IQR)	(88.80- 99.60%)	(71.66- 80.98%)	(75.87- 82.02%)	(97.90- 100%)	(19.02- 28.34%)	(0.40- 11.20%)
Minimum	86.25%	69.17%	53.92%	92.16%	4.26%	0%
Maximum	100%	95.74%	90.48%	100%	30.83%	13.75%

Supplementary Table 2: Sensitivity analysis of DTA for HAL (6 studies) with low to moderate RoB.

	Sensitivity	Specificity	PPV	NPV	FP	FN
Median	95.00%	83.33%	71.65%	99.17%	16.67%	5.00%
(IQR)	(92.97- 98.21%)	(76.38- 88.65%)	(67.94- 76.16%)	(94.20- 99.89%)	(11.35- 23.62%)	(1.79- 7.03%)
Minimum	91.11%	54.37%	64.93%	88.73%	9.82%	0%
Maximum	100%	90.18%	87.5%	100%	45.63%	8.89%

Supplementary Table 3: Sensitivity analysis of DTA for 5-ALA (4 studies) with low to moderate RoB.

	Sensitivity	Specificity	PPV	NPV	FP	FN
Median	95.51%	77.82%	66.19%	100%	22.18%	4.49%
(IQR)	(94.75- 96.33%)	(71.90- 79.26%)	(63.44- 66.31%)	(99.12- 100%)	(20.74- 28.10%)	(3.67- 5.25%)
Minimum	93.75%	54.76%	55.47%	96.50%	17.04%	2.50%
Maximum	97.50%	82.96%	66.37%	100%	45.24%	6.25%