Table S1: Prevalence-based diagnostic performance outcomes with sensitivity and specificity for common specified nodules across different TIRADS

RATER BY TIRADS	TOTAL NODULES	SEN % (CI)	SPE (%) (CI)	PPV (CI)	NPV (CI)	DA (CI)
EU-CAD	162	79.0 (66.8;88.3)	55.0 (44.7;65.0)	52.1 (41.6;62.5)	80.9 (69.5;89.4)	64.2 (56.3;71.6)
EU-R$_1$	162	85.5 (74.2;93.1)	62.0 (51.8;71.5)	58.2 (47.4;68.5)	87.3 (77.3;94.1)	71.0 (63.3;77.8)
EU-R$_2$	162	71.0 (58.1;81.8)	64.0 (53.8;73.4)	55.0 (43.5;66.2)	78.1 (67.6;86.4)	66.7 (58.8;73.9)
KSThR-CAD	162	83.9 (72.3;92.0)	46.0 (36.0;56.3)	49.1 (39.2;59.0)	82.1 (69.6;91.1)	60.5 (52.5;68.1)
KSThR-R$_1$	162	90.3 (80.1;96.4)	51.0 (40.8;61.4)	53.3 (43.3;63.1)	89.5 (78.5;96.0)	66.1 (58.2;73.3)
KSThR-R$_2$	162	75.8 (63.3;85.8)	61.0 (50.7;70.6)	54.7 (43.6;65.4)	80.3 (69.6;88.5)	66.7 (58.8;73.9)
AACE-CAD	114	92.5 (81.8;97.9)	26.2 (15.8;39.1)	52.1 (41.6;62.5)	80.0 (56.3;94.3)	57.0 (47.4;62.5)
AACE-R1	114	88.7 (77.0;95.7)	54.1 (40.9;66.9)	62.7 (50.7;73.6)	84.6 (69.5;94.1)	70.2 (60.9;78.4)
AACE-R$_2$	114	79.3 (65.9;89.2)	62.3 (49.0;74.4)	64.6 (51.8;76.1)	77.6 (63.4;88.3)	70.2 (60.9;78.4)
ATA-CAD	96	79.5 (63.5;90.7)	66.7 (52.9;78.6)	62.0 (47.2;75.4)	82.6 (68.6;92.2)	71.9 (61.8;80.6)
ATA-R$_1$	96	79.5 (63.5;90.7)	70.2 (56.6;81.6)	64.6 (49.5;77.8)	83.3 (69.8;92.5)	74.0 (64.0;82.4)
ATA-R$_2$	96	74.4 (57.9;87.0)	68.4 (54.8;80.1)	61.7 (46.4;75.5)	79.6 (65.7;89.8)	70.8 (60.7;79.7)

[a]

NPV = negative predictive value, PPV = positive predictive value, DA = diagnostic accuracy.

Table S2: p- values for SEN, SPEC, and AUROC comparisons between subjective raters and CAD per TIRADS

TIRADS	Diagnostic Performance Measure	Raters		
		R₁ vs CAD	R₂ vs CAD	R₁ vs R₂
EU	SEN	0.82	0.51	0.041
	SPEC	0.27	0.19	0.82
	PPV	0.40	0.70	0.67
	NPV	0.30	0.67	0.13
	DA	0.54	0.066	0.16
	AUROC	0.064	0.57	0.11
KSThR	SEN	0.57	0.31	0.010
	SPEC	0.21	0.020	0.37
	PPV	0.54	0.44	0.86
	NPV	0.26	0.79	0.15
	DA	0.74	0.70	0.23
	AUROC	0.021	0.13	0.41
AACE	SEN	0.50	0.017	0.089
	SPEC	0.001	<0.001	0.81
	PPV	0.17	0.12	0.81
	NPV	0.65	0.83	0.41
	DA	0.001	<0.001	0.30
	AUROC	0.001	<0.001	0.20
ATA	SEN	0.99	0.63	0.63
	SPEC	0.73	0.99	0.99
	PPV	0.79	0.98	0.77
	NPV	0.93	0.71	0.64
	DA	0.78	0.42	0.76
	AUROC	0.82	0.95	0.72

Table S3: Proportion of agreement (%) between raters based on TIRADS cut-off points for malignancy-risk stratification

Raters	Nodules	TIRADS			
		AACE (%)	ATA (%)	EU (%)	KSThR (%)
R_1 vs CAD	M	84.9	89.7	77.4	87.1
	B	63.9	87.7	71.0	73.0
	ALL	73.7	88.5	73.5	78.4
R_2 vs CAD	M	79.2	84.6	79.0	82.3
	B	50.8	73.7	63.0	61.0
	ALL	64.0	78.1	69.1	69.1
R_1 vs R_2	M	86.8	89.7	79.0	85.4
	B	80.3	87.7	80.0	72
	ALL	83.3	88.5	79.6	77.2