

Supplementary Table S3:

Original measured values for MIAD MAAD, MACD, and SUV_{mean} of 155 nodes and their results tested by multistage (new) approach. MIAD = minimal axial diameter; SUV_{mean} = mean standard uptake value; TP = true positive; TN = true negative; FP = false positive; FN = false negative; ACC = accuracy; SPE = specificity = SEN, sensitivity; PPV = Positive prediction value; NPV = Negative prediction value.

Node#	Real answer	MIAD	MAAD	MACD	SUV_{mean}	Test by new	TP	TN	FP	FN
1	1	8.5	15	16	6.4	1	1	0	0	0
2	1	6.5	10.3	9.3	3.24	1	1	0	0	0
3	0	1.4	3.6	6.4	1.14	0	0	1	0	0
4	0	2.2	5.3	14.9	2.21	0	0	1	0	0
5	0	1.8	5	16.1	2	0	0	1	0	0
6	0	4	6.7	21.8	1.36	0	0	1	0	0
7	1	22.1	30.1	41.7	13.68	1	1	0	0	0
8	0	2.8	6.2	9.9	1.22	0	0	1	0	0
9	0	4.5	6	14.1	1.37	0	0	1	0	0
10	1	5.7	10.6	16.2	1.52	0	0	0	0	1
11	0	3.1	5.8	13.7	1.78	0	0	1	0	0
12	0	5.5	7	15.1	2.56	0	0	1	0	0
13	0	2.6	6.4	16.7	1.33	0	0	1	0	0
14	0	2.2	5.2	9	1.22	0	0	1	0	0
15	0	3.3	7	14.4	1.34	0	0	1	0	0
16	0	2.7	4.7	5.3	0.91	0	0	1	0	0
17	0	3.4	5	9.6	1.95	0	0	1	0	0
18	1	10	15.9	32.2	4.01	1	1	0	0	0
19	1	6.9	13.6	12.9	2.6	1	1	0	0	0
20	0	3.6	7	16.1	1.12	0	0	1	0	0
21	0	2.9	6.7	12.6	1.44	0	0	1	0	0
22	0	3.3	5.8	11.8	0.98	0	0	1	0	0
23	1	6.4	9.9	16.6	2.71	1	1	0	0	0
24	1	10.4	13.9	20.8	6.39	1	1	0	0	0
25	0	5.2	6.9	12.4	2.19	0	0	1	0	0
26	1	6.6	8.6	17.9	3.3	1	1	0	0	0
27	1	6.4	11.4	21.5	4.25	1	1	0	0	0
28	0	3.8	8	14.1	1.43	0	0	1	0	0
29	1	11.8	12	22.5	8.68	1	1	0	0	0
30	1	7.1	7.6	8.2	3.12	1	1	0	0	0
31	0	5.1	7.4	23	1.88	0	0	1	0	0
32	0	3.4	6	18.5	1.82	0	0	1	0	0
33	1	8	11.9	17.5	2.3	1	1	0	0	0

34	0	2.1	3.7	7.6	1.95	0	0	1	0	0
35	0	2.3	4.3	11.3	1.6	0	0	1	0	0
36	0	4.2	10.5	18.4	2.17	0	0	1	0	0
37	0	5.6	8	17.2	1.9	0	0	1	0	0
38	0	5.3	8.8	13.2	2.15	0	0	1	0	0
39	1	8.8	9	15	1.64	1	1	0	0	0
40	1	11.9	14	29.6	2.69	1	1	0	0	0
41	0	3.6	10.4	20.5	1.03	0	0	1	0	0
42	0	3.1	5.7	14.3	1.36	0	0	1	0	0
43	1	10	12.5	25.4	2.6	1	1	0	0	0
44	0	3.9	5.1	21.8	1.36	0	0	1	0	0
45	1	6.5	10.8	10.8	3.23	1	1	0	0	0
46	0	5.3	7.6	14.5	1.35	0	0	1	0	0
47	1	11.5	12.8	18.1	4.06	1	1	0	0	0
48	0	4.4	4.7	20.8	1.14	0	0	1	0	0
49	1	17.5	20.8	34.1	7.71	1	1	0	0	0
50	0	7.1	10.2	19.5	1.05	1	0	0	1	0
51	1	5.1	6	7.4	2.81	1	1	0	0	0
52	1	16.4	18.3	18	2.62	1	1	0	0	0
53	1	6.7	9.7	11	1.89	1	1	0	0	0
54	0	3.4	4.9	11.3	1.62	0	0	1	0	0
55	1	5.2	7.5	8.2	2.5	0	0	0	0	1
56	1	13.1	14.8	22.3	6.08	1	1	0	0	0
57	0	3.2	5.4	10.5	1.66	0	0	1	0	0
58	0	5.4	7.6	19.8	1.72	0	0	1	0	0
59	1	14.5	15.9	36.1	4.41	1	1	0	0	0
60	1	11.9	12.5	17	2.91	1	1	0	0	0
61	0	4.1	6.5	9.6	2.42	0	0	1	0	0
62	0	5.3	7.2	23	1.73	0	0	1	0	0
63	1	12.1	19.1	38.1	4.8	1	1	0	0	0
64	1	6.5	8.9	18.2	3.53	1	1	0	0	0
65	1	7.5	9.2	20.6	2.3	1	1	0	0	0
66	0	1.9	4	8.3	1.15	0	0	1	0	0
67	1	9.7	16.6	17.8	4.5	1	1	0	0	0
68	0	2.8	5.5	8.9	1.71	0	0	1	0	0
69	1	10.8	11.5	22.5	8.13	1	1	0	0	0
70	0	4.4	6.8	15.6	1.42	0	0	1	0	0
71	0	4.3	5.6	13.5	2.15	0	0	1	0	0
72	1	6.4	12.4	9.7	1.87	1	1	0	0	0
73	0	6.6	8.9	6.9	1.6	1	0	0	1	0

74	1	9.3	12.7	16.5	9.69	1	1	0	0	0
75	1	6.5	9.9	12.4	4.05	1	1	0	0	0
76	0	5.5	7.4	13.5	2.17	0	0	1	0	0
77	1	18.1	22	36.1	10.67	1	1	0	0	0
78	0	2.2	4.4	11.5	1.54	0	0	1	0	0
79	0	2.2	6.3	10.6	1.38	0	0	1	0	0
80	0	2.1	4	12.3	2	0	0	1	0	0
81	0	2.1	5.5	20.3	1.85	0	0	1	0	0
82	0	1.6	4.3	12.1	1.61	0	0	1	0	0
83	0	3	5.5	8.7	2.48	0	0	1	0	0
84	0	3	4.5	14.6	1.6	0	0	1	0	0
85	0	1.5	4.9	8.6	2.36	0	0	1	0	0
86	0	3.5	7.1	15.8	1.81	0	0	1	0	0
87	1	10.2	15.4	32.4	5.39	1	1	0	0	0
88	1	9.1	10.7	20.8	3.65	1	1	0	0	0
89	1	13	16.7	18	3.89	1	1	0	0	0
90	0	5.2	10	20.6	1.68	0	0	1	0	0
91	1	8.2	10.8	13.4	2.74	1	1	0	0	0
92	0	2.5	4.7	18	1.49	0	0	1	0	0
93	1	10.1	12.5	13.4	5.22	1	1	0	0	0
94	0	3.3	5	5.6	2.02	0	0	1	0	0
95	0	2.5	7.1	15	1.31	0	0	1	0	0
96	0	1.8	4.6	12.4	1.55	0	0	1	0	0
97	0	4.2	7.8	27	1.6	0	0	1	0	0
98	0	4	8.3	22.5	1.87	0	0	1	0	0
99	1	9.7	10.9	26.5	9.91	1	1	0	0	0
100	1	5.7	7.9	13.4	3.91	1	1	0	0	0
101	1	9.2	13.5	29.3	2.76	1	1	0	0	0
102	0	5.2	8.2	11.7	1.57	0	0	1	0	0
103	0	5.6	6.4	22.5	1.48	0	0	1	0	0
104	0	5.5	9.5	19.3	1.85	0	0	1	0	0
105	1	5.8	7.3	17.6	2.22	0	0	0	0	1
106	1	7.1	7.5	25.1	1.77	1	1	0	0	0
107	1	10.5	11.5	23.3	5.69	1	1	0	0	0
108	0	3.1	6.5	13.8	1.38	0	0	1	0	0
109	0	3.9	5.6	11.4	1.53	0	0	1	0	0
110	0	5	8.1	23.2	1.55	0	0	1	0	0
111	0	3.7	5.2	10.5	1.1	0	0	1	0	0
112	1	6.5	7.8	23.5	2.2	1	1	0	0	0
113	1	10.1	15.7	19.2	4.98	1	1	0	0	0

114	0	3.9	6.1	9.5	1.13	0	0	1	0	0
115	0	5	7	16.4	1.73	0	0	1	0	0
116	1	9.7	13.1	23.8	4.41	1	1	0	0	0
117	0	4.6	7.1	20	1.48	0	0	1	0	0
118	0	5.4	8.8	12.7	1.7	0	0	1	0	0
119	1	9	12.7	16.2	5.89	1	1	0	0	0
120	0	3.2	4.7	7.5	1.26	0	0	1	0	0
121	0	4.7	6	15.2	1.34	0	0	1	0	0
122	0	6.7	8	13.8	1.48	1	0	0	1	0
123	0	3.5	7.2	14.8	1.61	0	0	1	0	0
124	1	15.3	16	41	10.09	1	1	0	0	0
125	1	20.4	21.2	47.1	10.32	1	1	0	0	0
126	1	9.9	12.7	11.7	9.00	1	1	0	0	0
127	1	7.6	9.8	13.7	2.71	1	1	0	0	0
128	0	8.3	15.7	30.9	5.29	1	0	0	1	0
129	0	6.2	8.3	14.2	2.88	1	0	0	1	0
130	1	8.2	13.4	20.2	2.2	1	1	0	0	0
131	1	13.5	14.4	29.1	3.49	1	1	0	0	0
132	1	8.8	14.3	35.2	7.99	1	1	0	0	0
133	0	6	10.1	11.6	2.45	0	0	1	0	0
134	0	4.3	7.4	26.7	1.96	0	0	1	0	0
135	0	4.8	9.8	23.1	1.68	0	0	1	0	0
136	1	6.9	10	11.6	2.23	1	1	0	0	0
137	0	4	7.7	16.3	1.71	0	0	1	0	0
138	1	8.9	9.8	13.3	8.92	1	1	0	0	0
139	1	4.7	7.3	7.6	3.57	1	1	0	0	0
140	1	7	8.1	10.5	7.28	1	1	0	0	0
141	0	3.4	6.7	8.6	1.62	0	0	1	0	0
142	1	6.5	9	6.8	1.98	1	1	0	0	0
143	0	3.5	7.5	20	1.7	0	0	1	0	0
144	0	4.1	6.2	18.6	1.49	0	0	1	0	0
145	0	3.3	3.8	8.4	1.48	0	0	1	0	0
146	1	8.1	10.4	10.1	2.11	1	1	0	0	0
147	1	5.6	6.2	7.2	5.69	1	1	0	0	0
148	1	12.1	17.9	28.9	5.56	1	1	0	0	0
149	1	14.7	16.1	32	4.31	1	1	0	0	0
150	1	17.3	19.8	32	13.9	1	1	0	0	0
151	1	12.7	16.8	27.9	11.38	1	1	0	0	0
152	1	3.5	6.3	8.8	2.18	0	0	0	0	1
153	1	6.4	7.1	13.3	2.6	1	1	0	0	0

154	1	7.2	9.7	26.4	2.27	1	1	0	0	0
155	1	7.1	12	13.1	2.13	1	1	0	0	0
							68	78	5	4
ACC	SPE	SEN	PPV	NPV						
0.942	0.940	0.944	0.932	0.951						