

**Appendix 1** Presence of submucosal invasion of the lesions considering histology as the gold standard and classification attributed by each observer to each of the superficial gastric lesions.

Lesions	Submucosal invasion	HR-WL image group								HR-WL+ HR-NBI image group							
		MDR	DL	PPN	PB	AF	PBC	RC	TC	MDR	DL	PPN	PB	AF	PBC	RC	TC
1	No	Ila	Ila+Ilb	Ila+Ilc	Ila+Ilc	Ila	Ila+Ilb	Ila+Ilb	Ila+Ilc	Ila	Ila+Ilc	Ilb+Ila	Ila+Ilc	Ila	Ilb+Ila	Ilb	Ilb
2	No	Is	Ila	Is	Is	Is	Is	Is	Ila	Is	Is	Ila	Is+Ila	Ila	Is	Is	Ila+Ilc
3	No	Is	Ila	Ila	Ila	Ila	Ila	Ila	Ila	Is	Ila	Ila	Ila	Ila	Ila	Ila	Ila
4	No	Ila+Ilc	Ila+Ilb	Ila+Ilc	Ila+Ilc	Ila	Ila	Ila+Ilc	Ila+Ilc	Ila	Ila	Ila	Ila+Ilc	Ila	Ila	Ila	Ila
5	No	Ilc+Ila	Ila	Ila	Ila	Ila	Ila+Ilb	Ilb	Ilb	Ilb	Ila	Ilb	Ila	Ilb	Ilb	Ilb	Ilb
6	No	Ilc	Ila+Ilc	III	Ilc+Ila	Ilc	Ila+Ilc	III	Ila+Ilc	Ilc+Ila	Ila+Ilc	Ila+Ilc	Ilc+Ila	Ila+Ilc	Ilc	Ilc	Ilc+Ila
7	No	Ila	Ila	Ila+Ilb	Ila	Ila	Ila+Ilb	Ilb	Ila+Ilc	Ila	Ila+Ilb	Ila+Ilb	Ila	Ila	Ilb+Ila	Ilb	Ila+Ilc
8	Yes	III	Ilc+Ila	III	III	III	III	III	III	III	III	III	III	III	III	III	III+Ilc
9	Yes	Ilc+Ila	Ila	Ila+Ilc	Ilc+Ila	Ilc+Ila	Ilc+Ila	Ila+Ilb	Ila+Ilc	Ilc+Ila	Is	Ilc+Ila	Ilc+Ila	Ila+Ilc	III	Ila+Ilc	Ilc+Ila
10	Yes	Ila	Ila+Ilc	Ila+Ilb	Ila	Ila	Ila	Ila+Ilb	Ila+Ilc	Ila	Ila+Ilc	Ila	Ila	Ila	Ila	Ila+Ilc	Ilc+Ila
11	No	Ilc+Ila	Ila+Ilb	Ila+Ilc	Ilc+Ila	Ila+Ilc	Ila	Ilc+Ila	Ila+Ilc	Ilc+Ila	Ila+Ilc	Ilb+Ila	Ilc+Ila	Ila+Ilc	Ila	Ilc+Ila	Ila+Ilb
12	Yes	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ilc+Ila	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc
13	No	Ila	Ila+Ilb	Ila	Ila	Ila	Ila+Ilb	Ila+Ilb	Ila	Ila	Ila	Ila	Ila	Ila	Ila	Ilb	Ilb
14	No	Ila	Ila	Is	Ila	Ila	Ila	Ila	Ila	Is	Ila	Ila	Ila	Ila	Ila	Ila	Ila
15	No	Ilc+Ila	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila	Ila+Ilc	Is	Ila+Ilc
16	No	Ila	Ila	Ila	Ila	Ila	Ila+Ilb	Ila+Ilc	Ilb	Ila	Ila+Ilc	Ila	Ila+Ilc	Ila	Ila+Ilc	Ila	Ilc+Ila
17	Yes	Ilc	Ila+Ilc	Ilc	Ila+Ilc	Ilc	Ilb	Ilc	Ilb	Ila+Ilc	Ilc+Ila	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ilc+Ila	Ila+Ilc	Ila+Ilc
18	No	Ila+Ilc	Ilb+Ilc	Ilb	Ilc+Ila	Ilc	Ilb	Ilb	Ilb	Ilc+Ila	Ilb	Ilb	Ilc+Ila	Ila	Ila	Ilc	Ila+Ilb
19	No	Ila	Ila+Ilb	Ila	Ila+Ilc	Ila	Ila	Ila+Ilc	Ila+Ilc	Ila	Ila	Ila	Ila+Ilc	Ila	Ila	Ila+Ilc	Ila+Ilc
20	No	Ilc	Ilc	Ilc	Ilc	Ilc	Ilc	Ilc	Ilb	Ilc	Ilc	Ilc	Ilc	Ilc	Ilc	Ilc	Ilc+Ila
21	No	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ilc+Ila	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ilc+Ila	Ila	Is	Ila+Ilc	Ila+Ilc
22	No	Ip	Isp	Isp	Isp	Is	Is	Isp	Ip	Isp	Is	Is	Isp	Is	Is	Is	Ip
23	No	Ila	Ila+Ilc	Ila+Ilb	Ilc+Ila	Ila+Ilc	Ila	Ila+Ilb	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ilc+Ila	Ila+Ilc	Ila	Ila+Ilc	Ilc+Ila
24	No	Ila	Ila	Ila	Ila	Ila	Ila	Ilb	Ilb	Ila	Ila+Ilb	Ila	Ila	Ila	Ila	Ilb	Ila
25	No	Ila	Ila+Ilb	Ila+Ilb	Ila	Ila	Ila+Ilb	Ilb	Ila+Ilb	Ila	Ila+Ilb	Ila	Ila	Ila	Ila+Ilb	Ila	Ila+Ilc
26	No	Ila	Ila	Ila	Ila	Ila	Ila	Ilb	Ila	Ila	Ila+Ilb	Ilb+Ila	Ila	Ila	Ilb	Ilb	Ilb
27	No	Ilc+Ila	Ilb	Ila+Ilb	Ila	Ilb	Ilb	Ilb	Ilb	Ilc	Ila	Ila	Ila	Ila	Ilb	Ilb	Ilb
28	No	Ilc	Ilc+Ila	Ilc+Ila	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilb	Ila+Ilc	Ilc	Ila+Ilc	Ila+Ilc	Ilc+Ila	Ila+Ilc	Ilc	Ila+Ilc	Ila+Ilc
29	No	Ilb	Ilb	Ilb	Ilb	Ilb	Ilb	Ilb	Ilb	Ilb	Ilb	Ila+Ilc	Ilb	Ilb	Ilb	Ilb	Ilb
30	No	Isp+Ila	Is	Is	Is+Ila	Is	Is	Ila	Is+Ila	Ip+Is	Is	Is	Is+Ila	Is	Is	Is	Is+Ila
31	No	III	III	III	Ilc	Ilc	Ilb+Ilc	Ilb+Ilc	Ilc	III	III	III	Ilc	Ilc	Ilc	Ilc	Ilc
32	No	Ila+Ilc	Is	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Is	Ila+Ilc	Ila+Ilc	Ila+Ilc	Is	Ila+Ilc
33	No	Ilc	Ilc	Ilb	Ilc	Ilc	Ilc	Ilb	Ilc	Ilb	Ilb	Ilb	Ilc	Ilb	Ilb	Ilb	Ilb
34	No	Ila+Ilc	Is	Ila	Ila+Ilc	Ila	Ila	Ila	Ila	Ila	Is	Ila	Ila+Ilc	Ila+Ilc	Ila	Ila	Ila+Ilb
35	No	Ila	Ilc+Ila	Ila	Ila+Ilc	Ila+Ilc	Ilb+Ila	Ila+Ilb	Ila+Ilc	Ilc+Ila	Ilc+Ila	Ila+Ilb	Ila	Ila+Ilc	Ila	Ila+Ilb	Ila+Ilc
36	No	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila	Ila	Ila+Ilb	Ila	Ila+Ilb	Ila	Ila	Ila+Ilc	Ila	Ila+Ilc	Ila+Ilc	Ila+Ilc
37	No	Ilc+Ila	Ilc	Ilc+Ila	Ilc+Ila	Ila+Ilc	Ilc+Ila	Ilc+Ila	Ila+Ilc	Ilc	Ilc+Ila	Ila+Ilb	Ilc+Ila	Ila+Ilc	Ila+Ilc	Ilc	Ila+Ilc
38	No	Ilc+Ila	Ilc	Ilb	Ilc+Ila	Ilc	Ila	Ilb	Ilc	Ila+Ilc	Ila+Ilc	Ilb	Ila+Ilc	Ila+Ilc	Ilb	Ilb	Ilb
39	No	Ilc+Ila	Ilc+Ila	Ila+Ilc	Ilc+Ila	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ilc+III	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc
40	No	Ila	Ila+Ilc	Ila+Ilc	Ilc+Ila	Ila	Ila	Ilb+Ila	Ila+Ilb	Ila	Ila+Ilc	Ila	Ilc+Ila	Ila	Ila+Ilb	Ila	Ilb
41	Yes	Isp	Isp	Is	Is	Is	Is	Is	Is	Isp	Is	Is	Is	Is	Is	Is	Is
42	Yes	Ila+Ilc	Ilc+Ila	Ila+Ilc	Ilc+Ila	Ila	Ila+Ilb	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ilc+Ila	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilb	Ila+Ilc	Ila+Ilc
43	No	Ila+Ilb	Ila	Ilb	Ilb	Ilb	Ilb	Ilb	Ilb	Ila	Ilb	Ilb	Ila+Ilc	Ilb	Ilb	Ilb	Ilb
44	No	Ila+Ilc	Ilb	Ilb	Ilc+Ila	Ila	Ila	Ilb	Ilb	Ila+Ilc	Ilb	Ila+Ilc	Ila+Ilc	Ilc	Ilb	Ilc	Ilb
45	No	Ilc+Ila	Ila+Ilc	Ila+Ilc	Ilc+Ila	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ila+Ilc	Ilc+Ila	Ilc+Ila	Ila+Ilc	Ilc+Ila	Ila+Ilc	Ila	Ila+Ilc	Ila+Ilc
46	No	Ila	Ila	Ila+Ilc	Ila+Ilc	Ila	Is	Ila+Ilb	Ila+Ilb	Ila+Ilc	Ila	Ila	Ila+Ilc	Ila	Ila	Ila	Ila+Ilc
47	No	III	Ilc	Ila+Ilc	Ila	Ila+Ilc	Ila	Ilb+Ila	Ila+Ilb	Ilc	Ilb+Ila	Ila+Ilb	Ila	Ila	Ila	Ila	Ilb

48	No	IIc+IIa	IIc+IIa	IIc+IIa	IIc+IIa	IIa+IIc	IIa	IIb+IIa	IIa+IIc	IIc+IIa	IIa+IIc	IIa+IIc	IIc+IIa	IIa+IIc	IIa+IIc	IIa+IIc	IIa+IIb
49	No	IIa	IIa	IIa	IIa+IIc	IIa	IIa	IIa+IIc	III+IIc	IIa+IIc	IIa+IIc	IIa+IIc	IIa+IIc	IIa+IIc	IIa	IIa+IIc	IIa+IIc
50	No	IIa+IIc	IIc+IIa	IIc	IIc+IIa	IIa+IIc	IIc	IIa+IIc	IIa+IIc	IIc	IIc	IIc	IIc+IIa	IIa+IIc	IIa+IIc	IIc	IIc
51	No	IIa	IIa	IIa	IIa	IIa	IIa	IIa	IIa	Is	Is	Is	IIa	IIa	Is	IIa	IIa
52	No	IIb	IIb	IIb	IIb	IIb	IIb	IIb	IIb	IIb	IIb	IIb	IIb	IIa	IIb	IIb	IIb
53	No	IIc+III	IIa+IIc	IIa+IIc	IIc+IIa	IIa+IIc	IIc	IIa+IIc	III	IIa+IIc	IIa+IIb	IIa+IIc	IIa+IIc	IIa+IIc	IIc	IIc	IIa+IIc
54	Yes	IIc+IIa	III	III	IIc+IIa	IIc+IIa	IIc+III	IIc+III	IIc+III	IIc	IIc	IIc	IIc+IIa	IIc	IIc	IIc	IIc