

Table 1. ABC risk classification.

	Hp-	Hp+
PG-	A	B
PG+	C	

Hp: *Helicobacter pylori* antibody test; PG: pepsinogen test

Serum *Helicobacter pylori* (Hp) antibody titers and pepsinogen (PG) levels are measured, and the results are classified into 3 groups: Group A, Hp-negative, PG-negative; Group B, Hp-positive, PG-negative; and Group C, PG-positive. Patients in Group C who are Hp-negative are sometimes classified as Group D, but because of the low frequency of D-group results, this is usually included within Group C

Table 2. Background mucosal findings in Group A (A-1 group) and non-A groups.

Parameter	Group A (A-1, n = 207)		Non-A groups (n = 98 - parameter 1,4) *			
1. Fold distribution (4 zones)**	Mean	3.60 ± 0.65	Mean	2.10 ± 0.94		
2. Fold thickness (mm)**	Mean	2.94 ± 0.64	Mean	4.61 ± 1.30		
3. Fold characteristics***	Regular	169 (81.6%)	Regular	9 (9.7%)		
	Intermediate	32 (15.5%)	Intermediate	27 (29.0%)		
	Irregular	6 (2.9%)	Irregular	57 (61.3%)		
4. Area gastricae***	Antrum	Smooth	178 (86.0%)	Antrum	Smooth	7 (7.1%)
		Intermediate	2 (1.0%)	Intermediate	6 (6.1%)	
		Coarse	27 (13.0%)	Coarse	85 (86.7%)	
	Corpus	Smooth	188 (88.4%)	Corpus	Smooth	13 (13.3%)
		Intermediate	1 (0.5%)	Intermediate	11 (11.2 %)	
		Coarse	18 (8.7%)	Coarse	74 (75.5%)	

*: n=93 cases - parameter 2, 3. 5 cases were excluded due to undetectable folds.

** : Mann-Whitney test p <0.001; ***: Cochran-Armitage test p <0.001

Table 3. Multivariate analysis of Group A (A-1, n = 207) vs. non-A groups (n = 93).

Parameter	Odds ratio	Risk factor
Fold distribution	17.72 (6.10-51.45)	0-2 zones
Fold thickness	10.63 (3.68-30.66)	≥ 3.9 mm
Fold characteristics	6.10 (1.71-21.73)	Irregular
Area gastricae	10.62 (3.80-29.68)	Coarse

For any 2 positive factors: sensitivity, 90.3%; specificity, 94.7%; accuracy, 93.3%; PPV, 88.4%; and NPV, 95.6%

Table 4. Serum assessment (ABC) and radiological findings in Group A-2.

Age/sex	Hp anti titer (U/mL)	PG (ng/mL)	I (ng/mL)	PG II PG	I/II	Fold dist (no. of zones*)	Fold thickness (mm)	Fold characteristics	Area gastricae
56M	3.0	48.2	10.2	4.7	4	3.2	Intermediate	Smooth	
41M	3.0	55.7	8.2	6.8	4	3	Regular	Smooth	
40M	3.2	50.3	11.3	4.5	2	3.8	Irregular	Coarse	
63M	3.2	41.4	7.9	5.3	2	4.9	Irregular	Coarse	
50F	3.3	21.4	4.7	4.6	2	2.2	Regular	Coarse	
54M	3.3	45.6	9.3	4.9	2	6.1	Irregular	Intermediate	
63M	3.4	57	10.1	5.6	2	4.1	Intermediate	Smooth	
52F	4.2	40.1	7.9	5.1	2	3.2	Regular	Coarse	
63M	5.4	46.4	7.4	6.3	1	4.9	Intermediate	Intermediate	
51F	6.2	72.5	17.9	4.1	4	3.6	Intermediate	Smooth	
54M	9.1	97.3	52.9	1.8	2	7.2	Irregular	Intermediate	
61M	9.5	38.5	11.2	3.5	1	4.9	Irregular	Coarse	
51M	9.8	77.6	25.4	3.1	2	5.6	Irregular	Coarse	

Hp anti: *Helicobacter pylori* antibody; PG: pepsinogen; Fold dist., fold distribution

*: Four divided zones of the gastric corpus on frontal view with double-contrast study (Fig. 1)

Table 5. Serum assessment (ABC) and radiological findings in Group A-1 participants who were risk factor-positive.

Age/ sex	Fold dist. (No. of zones*)	Fold thickness (mm)	Fold characteristics	Area gastricae	Comments / folds	Comments / area gastricae
37F	4	2.8	Irregular	Coarse	Insufficient air volume	Reticular pattern
37F	4	2.8	Irregular	Coarse	Insufficient air volume	
48F	2	3.0	Regular	Coarse	Hyperextension	Reticular pattern
52F	2	2.3	Regular	Coarse	Hyperextension	Reticular pattern
48F	2	2.8	Regular	Coarse	Hyperextension	Reticular pattern
44M	3	3.2	Irregular	Coarse	Insufficient air volume	Reticular pattern
38M	2	4.2	Regular	Smooth		
34F	4	3.9	Indeterminate	Coarse		
50M	4	5.2	Irregular	Coarse		
59M	4	4.2	Indeterminate	Coarse		
46M	4	4.9	Irregular	Coarse		

Fold dist., fold distribution

*: Four divided zones of the gastric corpus on frontal view with double-contrast study (Fig. 1)