The tumor involves almost full-thickness of mucosa, covered by non-neoplastic foveolar epithelium.
The tumor multi-focally invades the submucosa

Gradual transition from low- to high-grade components
Proliferative activity in GA-FG

Ki-67 labelling index = average 5.5% (2.2~9.8%)

p53 immunohistochemical stain in GA-FG

No p53 protein overexpression in all 10 cases

Summary of clinicopathological features of GA-FG

**Clinical**
- Location: upper stomach
- Invasion into submucosa in early phase
- No recurrence or metastasis
  (follow up 10～70 months／average 37 months)

**Pathological**
- No lymphovascular invasion (ly0,v0)
- Low Ki-67 index, p53(-)

low-grade malignancy and favorable prognosis
We published and proposed a new entity of GA-FG

Gastric Adenocarcinoma of Fundic Gland Type (Chief Cell Predominant Type): Proposal for a New Entity of Gastric Adenocarcinoma

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Ueyama H, Yao T, et al.
Group A: 10 lesions (from AJSP 2010)

Group B: 10 lesions (newly collected)

Group C: 7 lesions (from Prof. Kushima)

GA-FG 27 lesions (from 25 patients)
The surrounding mucosa of GA-FG was almost normal fundic gland mucosa without active inflammation, intestinal metaplasia or atrophy in 23 cases (85%).

This suggested that most cases of GA-FG might be *H. pylori* (-)
In this report, only one of 7 case was positive for *H. pylori*. GA-FG is one of the types of *H. pylori* negative gastric carcinoma.

Many cases of GA-FG have been reported in Japan

1. 武藤 頼彦, 他. 診断に苦慮した多発胃底腺型胃癌の1例. 日本臨床外科学会雑誌2010; 73:988.
12. 笹林 大樹, 他. ESDを施行した胃底腺型胃癌の1例. ENDO SCOPIC FORUM for digestive disease 2012; 28:75.
Korean pathologists agreed with our concept
Ameiral pathologists proposed the another nomenclature for GA-FG, especially for intramucosal lesions.
Histological features are the same as our GA-FG

Gastric adenocarcinoma of fundic gland type (GA-FG).
A new entity

1. Process of establishing this entity and clinicopathological features of GA-FG
2. Progressive variant of GA-FG
3. Genetic events of GA-FG
4. Differential diagnosis
Gastric adenocarcinoma of fundic gland type with unusual behavior
Histological features
In addition to fundic gland differentiation, foveolar differentiation is also present.
Histological features

- Foveolar differentiation
- FG differentiation
- Foveolar and/or mucous gland differentiation