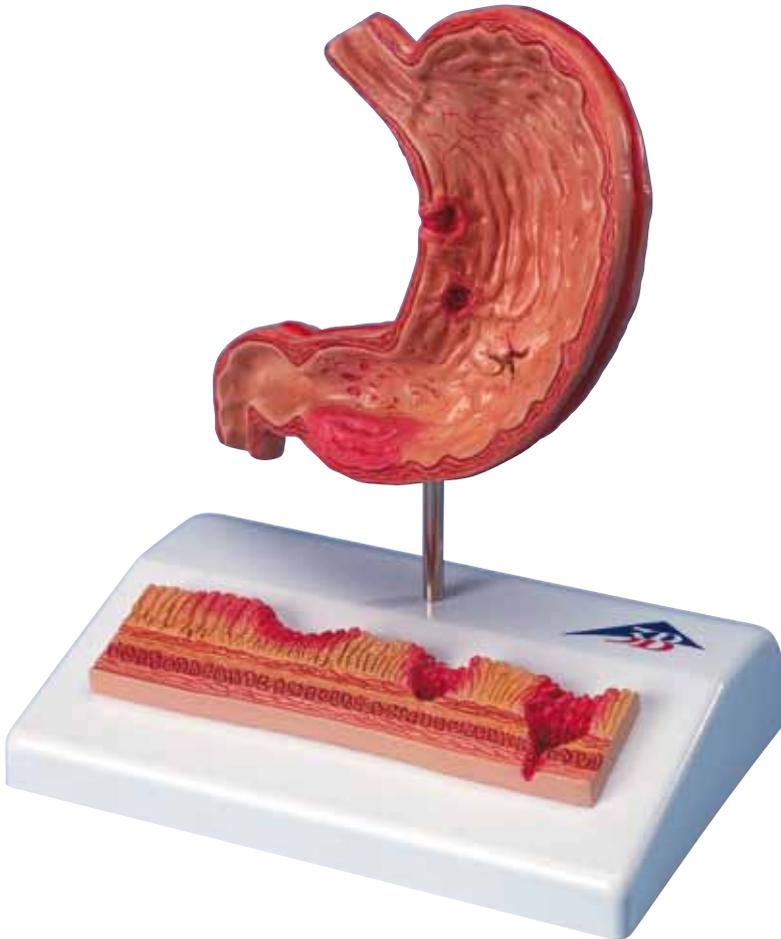




...going one step further



K17
(1000304)

Gastritis

English

This model shows a longitudinal section of the stomach with the attachments of esophagus and duodenum. The various stages of gastritis and ulcer are depicted.

Longitudinal section of stomach, enlarged approx. 0.5 times:

1. Erythematous gastritis

Irritated mucosa is reddened and swollen in the area of the antrum

2. Erosive gastritis

Initial mucosal defects above the lamina muscularis mucosae

3. Hemorrhagic gastritis

Acute erosive gastritis with bleeding

4. Healing stage and scar formation

Contraction of the mucosa

5. Atrophic gastritis

Chronic course with mucosal atrophy

6. Hypertrophic gastritis

Enlargement of the gastric folds

7. Bleeding ulcer

Bleeding mucosal defect with marginal elevation, extending beyond the lamina muscularis mucosae

8. Perforated ulcer

All layers of the stomach wall are eroded

Mucosa relief on base, enlarged approx. 10 times: [®]

1. Healthy mucosa relief
2. Acute gastritis with reddened and swollen mucosa
3. Erosive gastritis with mucosal defect
4. Bleeding ulcer, muscularis mucosae is eroded
5. Perforated ulcer, all stomach layers are eroded

Layers of the stomach wall:

6. Tunica mucosa (mucosa of stomach)
7. Lamina muscularis mucosae (thin layer of smooth muscle cells)
8. Tela submucosa (connective tissue layer)
9. Tunica muscularis (circular muscle layer)
10. Tunica muscularis (longitudinal muscle layer)
11. Tunica serosa (outer skin)

