

Pocket Atlas of Human Anatomy

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Neuausgabe 2006. Taschenbuch. 568 S. Paperback

ISBN 978 3 13 511205 3

Format (B x L): 12,5 x 19 cm

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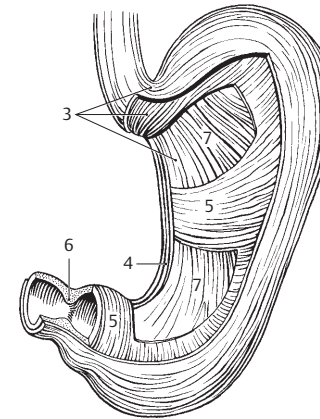
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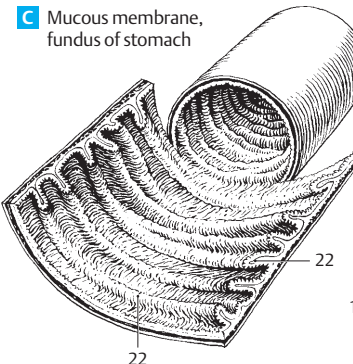
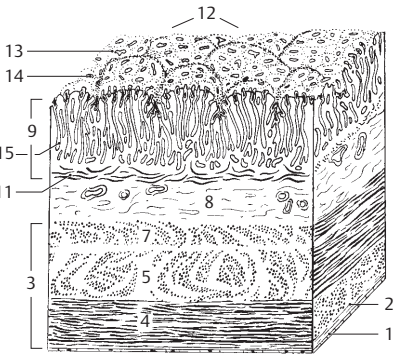
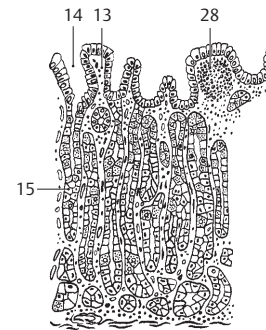
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- 1 **Serosa; Serous coat.** Peritoneal covering consisting of simple squamous epithelium. B
- 2 **Subserosa; Subserous layer.** Connective tissue underlying the serosa. B
- 3 **Muscular layer; Muscular coat.** Muscular coat of stomach composed of muscle fibers running in three directions. A B
- 4 **Longitudinal layer.** External layer of longitudinal muscle fibers mainly at the lesser and greater curvatures of stomach. A B
- 5 **Circular layer.** Middle layer consisting of circular muscle fibers. A B
- 6 **Pyloric sphincter.** Thickened ring of muscle fibers around the pylorus. A
- 7 **Oblique fibers.** Innermost layer of the muscular coat with oblique muscle fibers. A B
- 8 **Submucosa.** Layer between the muscularis mucosae and the muscular coat that consists mainly of collagenous connective tissue and contains vessels and nerves. B
- 9 **Mucosa; Mucous membrane.** Mucous membrane lining of the stomach that is composed of simple columnar epithelium, connective tissue (lamina propria), and muscularis mucosae. B
- 10 **Gastric folds; Gastric rugae.** Mucosal folds that mainly run longitudinally. p. 147 D
- 11 **Muscularis mucosae.** Layer of smooth-muscle fibers between the lamina propria and submucosa. Connections to the muscular coat and to the walls of blood vessels. Tightens the mucous membrane of stomach, stiffens the gastric folds, and regulates circulation. B
- 12 **Gastric areas.** Bumpy areas with a diameter of 1–6 mm bounded by shallow furrows on the mucosal surface. B
- 13 **Villous folds.** Microscopic folds formed by lamina propria covered with epithelium which contain lymphatic tissue between the gastric pits. B C D
- 14 **Gastric pits.** Openings of the gastric glands between the villous folds. B C D
- 15 **Gastric glands.** Tubular glands that are found in the fundus and body of stomach and are composed of four types of cells. B C D
- 16 **SMALL INTESTINE.** The small intestine consists of the duodenum, jejunum, and ileum.
- 17 **Serosa; Serous coat.** Peritoneal covering consisting of a single layer of squamous epithelium. F
- 18 **Subserosa; Subserous layer.** Connective tissue underlying the serous coat. F
- 19 **Muscular layer; Muscular coat.** It is formed by the two main muscle layers of intestinal wall. F
- 20 **Longitudinal layer; Long pitch helicoidal layer.** Outer layer of longitudinally oriented muscle fibers. Its cells are organized in a helicoidal form in long coils. F

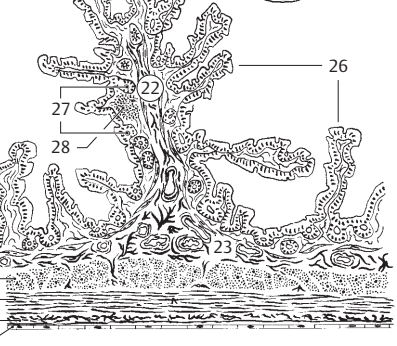
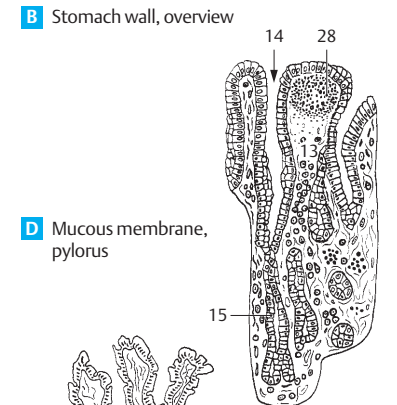
- 21 **Circular layer; Short pitch helicoidal layer.** Inner circular muscle layer. Its cells are coiled tightly in a helicoidal form. F
- 22 **Circular folds.** (Kerckring's valves). Up to 8 mm high permanent folds containing submucosa that extend transversely to the intestinal axis, encircling around two-thirds of the intestinal lumen. E F
- 23 **Submucosa.** Sliding layer between the muscularis mucosae and the muscular coat consisting mainly of collagenous connective tissue and containing vessels and nerves. F
- 24 **Mucosa; Mucous membrane.** It is composed of simple columnar epithelium, connective tissue (lamina propria), and muscularis mucosae.
- 25 **Muscularis mucosae.** Layer of smooth-muscle cells between the lamina propria and submucosa. It is active in fine adjustments of the mucous membrane for intestinal contents, peristalsis, and villous motility. F
- 26 **Intestinal villi.** Villi of the small intestine measuring 0.5–1.5 mm in length. F
- 27 **Intestinal glands.** Cryptlike glands of the small intestine. F
- 28 **Solitary lymphoid nodules.** Solitary lymphatic follicles in the lamina propria of the stomach and intestinal canals. C D F
- 29 **Aggregated lymphoid nodules.** (Peyer's patches). Aggregation of lymphatic follicles in the ileum and colon.



A Stomach musculature



E Intestinal canal



F Intestinal wall, histological section