

# Gastrectomy

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A gastrectomy is a partial or full surgical removal of the stomach. The first successful gastrectomy was performed by Theodor Billroth in 1881 for cancer of the stomach. Gastrectomies are performed to treat cancer, severe cases of peptic ulcer disease, and perforations of the stomach wall. This procedure is becoming less common as peptic ulcers are now often treated with antibiotics for *Helicobacter pylori* or by endoscopy. In severe duodenal ulcers it may be necessary to remove the lower portion of the stomach called the pylorus and the upper portion of the small intestine called the duodenum. If there is a sufficient portion of the upper duodenum remaining a Billroth I procedure is performed, where the remaining portion of the stomach is reattached to the duodenum before the bile duct and the duct of the pancreas. If the stomach cannot be reattached to the duodenum a Billroth II is performed, where the remaining portion of the duodenum is sealed off, a hole is cut into the next section of the small intestine called the jejunum and the stomach is reattached at this hole. As the pylorus is used to grind food and slowly release the food into the small intestine, removal of the pylorus can cause food to move into the small intestine faster than normal, leading to gastric dumping syndrome. In the past a gastrectomy for peptic ulcer disease was often accompanied by a vagotomy, where the vagus nerve is cut to reduce acid production in the stomach. Nowadays, this problem is managed with proton pump inhibitors.

## Recent Publications on Gastrectomy:



- [Treatment and prevention of lymphorrhea after radical gastrectomy of gastric cancer.](#)  
*PURPOSE:* Lymphorrhea is an uncommon complication of abdominal surgery....11th October, 2008  
Department of General Surgery, The Second Affiliated Hospital of Wenzhou- J Cancer Res Clin Oncol. 2008 Oct 10. ([DOI Direct Link](#))
- [Pancreaticoduodenectomy for locally advanced stomach cancer: preliminary results.](#)  
*BACKGROUND:* Pancreaticoduodenectomy (PD) for locally advanced stomach...11th October, 2008  
General Surgery, Singapore- ANZ J Surg. 2008 Sep;78(9):767-70. ([DOI Direct Link](#))
- [Authors' reply: Outcome of pylorus-preserving gastrectomy for early gastric cancer \(Br J Surg 2008; 95: 1131-1135\).](#)  
*BACKGROUND:* Pancreaticoduodenectomy (PD) for locally advanced stomach...11th October, 2008  
Department of Surgical Oncology, National Cancer Center Hospital, 5-1-1- Br J Surg. 2008 Oct 9;95(11):1429-1430. ([DOI Direct Link](#))
- [Outcome of pylorus-preserving gastrectomy for early gastric cancer \(Br J Surg 2008; 95: 1131-1135\).](#)  
*BACKGROUND:* Pancreaticoduodenectomy (PD) for locally advanced stomach...11th October, 2008  
Department of Surgery, Jikei University School of Medicine, Tokyo- Br J Surg. 2008 Oct 9;95(11):1429. ([DOI Direct Link](#))
- [Plasma Ghrelin Modulation in Gastric Band Operation and Sleeve Gastrectomy.](#)  
*BACKGROUND:* Gastric band operation and sleeve gastrectomy are increasingly...9th October, 2008

- Hepatobiliary Department, Shengjing Hospital, China Medical University, 36- Obes Surg. 2008 Oct 8. ([DOI Direct Link](#))
- [Inhibition of C-Reactive Protein in Morbidly Obese Patients After Laparoscopic Sleeve Gastrectomy.](#)  
*BACKGROUND: Obesity is considered a low-grade chronic inflammatory...*9th October, 2008  
Clinical Pharmacist-Surgery, Pharmacy Services Division, King Faisal- Obes Surg. 2008 Oct 8. ([DOI Direct Link](#))
  - [A case of magnetic compression anastomosis between the common bile duct and the duodenum after distal gastrectomy with Roux-Y reconstruction and cholecystectomy.](#)  
*An 83-year-old man was admitted to our hospital with jaundice. At the age...*9th October, 2008  
Departments of Surgery, Yokohama City University Hospital.- Nippon Shokakibyō Gakkai Zasshi. 2008 Oct;105(10):1523-8.
  - [Feasibility of Sleeve Gastrectomy as a Revision Operation for Failed Silastic Ring Vertical Gastroplasty.](#)  
*BACKGROUND: Restrictive bariatric operations are efficient with low...*8th October, 2008  
General Surgery Department, Hadassah-Hebrew University Medical Center,- Obes Surg. 2008 Oct 7. ([DOI Direct Link](#))
  - [Surgical treatment of non-variceal upper gastrointestinal bleeding: our experience with 1482 patients.](#)  
*We retrospectively evaluated the medical records of patients admitted to...*8th October, 2008  
U.O.C. of General and Emergency Surgery with Surgical and Polyspecialistic- Chir Ital. 2008 Jul-Aug;60(4):535-40.
  - [Effects of parenteral structured lipid emulsion on modulating the inflammatory response in rats undergoing a total gastrectomy.](#)  
*OBJECTIVES: Structured lipid emulsion improves the nitrogen balance and is...*7th October, 2008  
Department of Primary Care Medicine, National Taiwan University Hospital- Nutrition. 2008 Sep 30. ([DOI Direct Link](#))
  - [\[Mucinous gastric adenocarcinoma and duodenal somato-statinoma. Case report\]](#)  
*The Authors present a rare association of gastric adenocarcinoma and...*7th October, 2008  
Universita degli Studi di Roma La Sapienza, Azienda Policlinico Umberto I,- G Chir. 2008 Aug-Sep;29(8-9):339-42.
  - [\[The choice of esophagoenteroanastomosis after gastrectomy.\]](#)  
*The two years (2004-2006) experience of gastric cancer surgical treatment...*4th October, 2008  
Onkologicheskii klinicheskii dispanser #1, Rossiiskii nauchnyi tsentr- Khirurgiia (Mosk). 2008;(9):56-60.
  - [Postoperative reorganization of gastric pacemaker activity in patients after an extended period following distal gastrectomy.](#)  
*We recorded and analyzed electrogastrograms (EGGs) from 12 patients...*4th October, 2008  
Division of Organ Physiology, Department of Regenerative and Transplant- J Smooth Muscle Res. 2008 Aug;44(3-4):113-22.
  - [Sleeve Gastrectomy Leads to Helicobacter pylori Eradication.](#)  
*BACKGROUND: The role of Helicobacter pylori (HP) in patients scheduled and...*3rd October, 2008  
Gastroenterology Unit, Bnai Zion Medical Center, Technion-Institute of- Obes Surg. 2008 Oct 2. ([DOI Direct Link](#))
  - [Laparoscopic ileal interposition associated to a diverted sleeve gastrectomy is an effective operation for the treatment of type 2 diabetes mellitus patients with BMI 21-29.](#)  
*BACKGROUND: The objective of this study is to evaluate the clinical...*3rd October, 2008  
, Av. 136, no. 961, 14 masculine andar, Setor Marista, 74.093-250,- Surg Endosc. 2008 Oct 2. ([DOI Direct Link](#))

- [Comparison of the Laparoscopy-Assisted Distal Gastrectomy and Open Distal Gastrectomy for Advanced Gastric Cancer](#)  
*Stomach Neoplasm*



## Gastrectomy Patents:

- 6884771- [Angiotensin converting enzyme homolog and uses therefor](#)
- 7037344- [Apparatus and methods for treatment of morbid obesity](#)
- 7048906- [Methods of diagnosing and treating small intestinal bacterial overgrowth \(SIBO\) and SIBO-related conditions](#)
- 7070803- [Controlled release pharmaceutical composition for oral use containing midodrine and/or active metabolite, desglymidodrine](#)
- 7074438- [Compositions for oral delivery of nutrients and pharmaceuticals](#)
- 7081239- [Methods for manipulating upper gastrointestinal transit, blood flow, and satiety, and for treating visceral hyperalgesia](#)
- 7083777- [Immunomodulating polymers](#)
- 7122031- [Graphical user interface for association with an electrode structure deployed in contact with a tissue region](#)
- 7125407- [Sphincter treatment apparatus](#)
- 7165551- [Apparatus to detect and treat aberrant myoelectric activity](#)
- 7167750- [Obesity treatment with electrically induced vagal down regulation](#)
- 7035738- [Probe designing apparatus and probe designing method](#)
- 7030231- [Membrane type serine protease 1 \(MT-SP1\) and uses thereof](#)
- 7026285- [Immunomodulating polymers](#)
- 6887679- [Methods for identifying contraindications to angiotensin converting enzyme inhibitor and/or vasopeptidase inhibitor treatment](#)
- 6887987- [DNA encoding the human serine protease T](#)
- 6890904- [Anti-tumor agents](#)
- 6916326- [Gastroplasty ring that can be loosened](#)
- 6927056- [Proteases](#)
- 6949514- [Anti-tumor agents](#)
- 6971395- [Sphincter treatment method](#)
- 6974456- [Method to treat gastric reflux via the detection and ablation of gastro-esophageal nerves and receptors](#)
- 6989363- [Angiotensin converting enzyme homolog and therapeutic and diagnostic uses therefor](#)
- 6991813- [Physiological tissue repair and functional organ regeneration by cultivation of regenerative stem cells in vivo and in situ](#)
- 7176280- [Isolated polypeptides and compositions from the venom of P. transvaalicus and methods of use](#)
- 7209835- [Algorithmic testing in laboratory medicine](#)
- 7358060- [Method for monitoring and prognosis of disease course of gastrointestinal tumors](#)
- 7371721- [Use of GLP-2 and related compounds for the treatment, prevention, diagnosis, and prognosis of bone-related disorders and calcium homeostasis related syndromes](#)
- 7371837- [Human virus causing respiratory tract infection and uses thereof](#)

- 7374765- [Methods and compositions for diagnosis and treatment of iron misregulation diseases](#)
- 7378247- [Neoplasm-specific polypeptides and their uses](#)
- 7387791- [Liposome drug delivery](#)
- 7399492- [Composition and method for issue repair and regeneration](#)
- 7399772- [Substituted benzimidazole dosage forms and method of using same](#)
- 7401722- [Circular surgical stapler with a detachable anvil](#)
- 7402564- [Synthetic peptide amides](#)
- 7344535- [Devices and methods for treatment of luminal tissue](#)
- 7293563- [Systems and methods for applying a selected treatment agent into contact with tissue to treat disorders of the gastrointestinal tract](#)
- 7282484- [Anti-tumor agents](#)
- 7211276- [Method for preventing ulceration or irritation of mucosa](#)
- 7220284- [Gastrointestinal sleeve device and methods for treatment of morbid obesity](#)
- 7223400- [Method to prepare compositions comprising yeast treated with electromagnetic energy](#)
- 7227009- [MT-SP1 polynucleotides and polypeptides](#)
- 7228163- [Methods of monitoring glucose levels in a subject and uses thereof](#)
- 7229636- [Cyanocobalamin low viscosity aqueous formulations for intranasal delivery](#)
- 7238708- [Glucose sensor](#)
- 7244412- [Methods for manipulating upper gastrointestinal transit, blood flow, and satiety, and for treating visceral hyperalgesia](#)
- 7253159- [Methods and compositions for immunomodulation using CD1 antigens](#)
- 7259138- [Anti-tumor agents](#)
- 7404489- [Cyanocobalamin low viscosity aqueous formulations for intranasal delivery](#)

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