

References

- Abd-El-Maboud KH, Ibrahim MI, Shalaby DA, Fikry MF. (2009):** Gum chewing stimulates early return of bowel motility after caesarean section. *BJOG* 116: 1334-1339.
- Asao T, Kuwano H, Nakamura J, Morinaga N, Hirayama I, Ide M. (2002):** Gum chewing enhances early recovery from postoperative ileus laparoscopic colectomy. *J Am Coll Surg.*; 195:30-32.
- Askarpour S, Shoushtari M, Saadati M. (2010):** Study of the Effect of Early Feeding, Chewing Gums, and Laxative on Ileus in Patients Who Underwent Open Cholecystectomy. *The Internet Journal of Surgery*; Volume 22 Number 2.
- Barquist E, Zinner M, Rivier J, Tache Y. (1992):** Abdominal surgery-induced delayed gastric emptying in rats: role of CRF and sensory neurons. *Am J Physiol*; 262: 616-620.
- Basse L, Jacobsen D, Billesbolle P, et al. (2000):** A clinical pathway to accelerate recovery after colonic resection. *Ann Surg.*; 232:51-57.
- Basse L, Madsen J, Kehlet H. (2001):** Normal gastrointestinal transit after colonic resection using epidural analgesia, enforced oral nutrition and laxative. *Br J Surg.*; 88:1498-1500.
- Bennett G, Welsby I, Dunn TJ, et al. (1999):** The use of a postoperative morbidity survey to evaluate patients with prolonged hospitalization after routine, moderate-risk, elective surgery. *Anesth Analg*; 89:514–519.

- Brown TA, McDonald J, Williard W. (1999):** A prospective, randomized, double blinded, placebo-controlled trial of cisapride after colorectal surgery. *Am J Surg.*; 177:399-401.
- Bueno M (1978):** [Tubal ligation by culdoscopy in a simplified surgical procedure: study and follow-up of 214 cases]. *Estud Poblac*; 3: 49-55.
- Cheatham ML, Chapman WC, Key SP, Sawyers JL. (1995):** A meta-analysis of selective versus routine nasogastric decompression after elective laparotomy. *Ann Surg.*; 221: 469-76.
- Chen IDI, Wexner SD, Iroatulam AJ, Pikarsky AJ, Alabaz O, Nogueras JJ, NessUn A, Wells EG. (2000):** Laparoscopic colectomy compares favorably with colectomy by laparatomy for reduction of postoperative ileus. *Dis Colon Rectum.*; 43:61-65.
- Code CF and Schlegel J. (1973):** The gastrointestinal interdigestive housekeeper: motor correlate of the interdigestive myoelectric complex of the dog. In: Daniel EE (ed). *Proceedings of the Fourth International Symposium on GI Motility*. Vancouver, British Columbia: Mitchell Press; 1973.
- Correia MI, da Silva RG. (2004):** The impact of early nutrition on metabolic response and postoperative ileus. *Curr Opin Clin Nutr Metab Care* 2004; 7: 577-583.
- Cullen JJ, Eagon JC, Kelly KA. (1994):** Gastrointestinal peptide hormones during postoperative ileus: effect of octreotide. *Dig Dis Sci.*; 39: 1179-84.
- Darvall JN, Simmons SW, Leslie K. (2011):** Acceptability of chewing gum for postoperative nausea and vomiting prevention in high risk patients: a pilot study. *Anaesth Intensive Care*; 39: 515-516.

De Winter BY, Boeckxstaens GE, De Man JG, Moreels TG, Herman AG, et al. (1997): Effect of adrenergic and nitrenergic blockade on experimental ileus in rats. *Br J Pharmacol* 120: 464-468.

De Winter BY, Robberecht P, Boeckxstaens GE, et al. (1998): Role of VIP/P ACAP receptors in postoperative ileus in rats, *Br J Pharmacol*; 124:1181-86.

Deloof S, Croix D, Tramu G. (1988): The role of vasoactive intestinal polypeptide in the inhibition of antral and pyloric electrical activity in rabbits. *J Auton Nerv Syst.*; 22: 167173.

Dobrovolskii SR, Ivanov MP, Nagai IV (2004): [Intestinal gallstone obstruction]. *Khirurgiia (Mosk)*: 51-55.

Dubois A, Weise VK, Kopin IJ. (1973): Postoperative ileus in the rat: physiology, etiology and treatment. *Ann Surg.* 1973;178:781-86.

Espat NJ, Cheng G, Kelley MC, Vogel SB, Sninsky CA, et al. (1995): Vasoactive intestinal peptide and substance P receptor antagonists improve postoperative ileus. *J Surg Res*; 58: 719-723.

Freeman ME, Guozhang C, Hocking MP. (1999): Role of alpha- and beta-calcitonin gene-related peptide in postoperative small bowel ileus. *J Gastrointest Surg.*; 3:39-43.

Fujimiya M and Inui A. (2000): Peptidergic regulation of gastrointestinal motility in rodents. *Peptides*; 21:1565-82.

Furness JB and Costa M. (1974): Adynamic ileus, its pathogenesis and treatment. *Med Biol.*; 52: 82-89.

- Galligan JJ and North RA. (2004):** Pharmacology and function of nicotinic acetylcholine and P2X receptors in the enteric nervous system. *Neurogastroenterol Motil*; 16 Suppl 1: 64-70.
- Gatt M, MacFie J (2007):** Randomized clinical trial of the impact of early enteral feeding on postoperative ileus and recovery. *Br J Surg*; 94: 555-561.
- Gourcerol G, Gallas S, Mounien L, Leblanc I, Bizet P, et al. (2007):** Gastric electrical stimulation modulates hypothalamic corticotropin-releasing factor-producing neurons during post-operative ileus in rat. *Neuroscience*; 148: 775-781.
- Goyal RK and Hirano I (1996):** The enteric nervous system. *N Engl J Med* 334: 1106-1115.
- Grocott MP, Browne JP, Van der Meulen J, Matejowsky C, Mutch M, et al. (2007):** The Postoperative Morbidity Survey was validated and used to describe morbidity after major surgery. *J Clin Epidemiol* 60: 919-928.
- Han-Geurts IJ, Hop WC, Kok NF, Lim A, Brouwer KJ, et al. (2007):** Randomized clinical trial of the impact of early enteral feeding on postoperative ileus and recovery. *Br J Surg*; 94: 555-561.
- Harms BA and Heise CP. (2007):** Pharmacologic management of postoperative ileus: the next chapter in GI surgery. *Ann Surg*; 245: 364-5.
- Henrik K (2008):** Postoperative ileus—an update on preventive techniques; [www. nature. com/ clinicalpractice/ gasthep](http://www.nature.com/clinicalpractice/gasthep), Vol. 5 No. 10

- Hocevar BJ, Robinson B, Gray M. (2010):** Does chewing gum shorten the duration of postoperative ileus in patients undergoing abdominal surgery and creation of a stoma? *J Wound Ostomy Continence Nurs.*; 37(2):140-6.
- Hocking MP and Vogel SB. (1991):** Physiology of gastric secretion and motility in normal and postgastroectomy (post vagotomy) states. In: Hocking MP, Vogel SB (eds). *Woodward's Postgastroectomy Syndromes*. 2nd ed. Philadelphia, Pa: WB Saunders Co; 29-46.
- Holte K and Kehlet H. (2002):** Epidural anesthesia and analgesia-effects on surgical stress responses and implications for postoperative nutrition. *Clin Nutr.*; 21:199-206.
- Holzer P and Lippe IT. (1986):** Inhibition of gastrointestinal transit due to surgical trauma or peritoneal irritation is reduced in capsaicin-treated rats, *Gastroenterology*; 9: 360-363.
- Ishizuka B, Kudo Y, Amemiya A, Tanii M, Aoki T. (2000):** Plasma catecholamine responses during laparoscopic gynecologic surgery with CO(2) insufflation. *J Am Assoc Gynecol Laparosc*; 7: 37-43.
- Kalff JC, Schwarz NT, Walgenback KJ, Schraut WII, Bauer AJ. (1998):** Leukocytes of the intestinal muscularis: this phenotype and isolation. *J Leukoc Biol.*; 63: 683-91.
- Kalff JC, Wolfgang HS, Simmons RL, Bauer AJ. (2000):** Surgical manipulation of the gut elicits an intestinal muscularis inflammatory response resulting in postsurgical ileus. *Ann Surg.*; 228:652-63.
- Kehlet H and Holte K. (2001):** Review of postoperative ileus. *Am J Surg.* 2001; 182 (Suppl 5A): 3-10.

- Kong F, Singh RP (2008):** "Disintegration of solid foods in human stomach". *J. Food Sci.* 73 (5): 67–80.
- Konturek SJ, Thor P, Krol R, Dembinski A, Schally AV. (1980):** Influence of methionineenkephalin and morphine on myoelectric activity of small bowel. *Am J Physiol.*; 238: 384-389.
- Kovavisarach E, Atthakorn M (2005):** Early versus delayed oral feeding after cesarean delivery. *Int J Gynaecol Obstet* 90: 31-34.
- Kramer R, Juilie K, Someren V, Clieford R, Qualls B. (1996):** Postoperative management of cesarean patients: The effect of immediate feeding on the incidence of ileus. *Ann Chir Gynaecol Fenn.*; 88:29-32.
- Kreis ME, Kasparek M, Zittel TI, Becker HD, JeWe EC. (2001):** Neostigmine increases postoperative colonic motility in patients undergoing colorectal surgery. *Surgery*; 130: 449-56.
- Lander B, Redkar R, Nicholls G, et al. (1997):** Cisapride reduces neonatal postoperative ileus: randomised placebo controlled trial. *Arch Dis Child Fetal Neonatal Ed.*; 77: 119-122.
- Leung KL, Lai PB, Ho RL, et al. (2000):** Systemic cytokine response after laparoscopic assisted resection of rectosigmoid carcinoma: a prospective randomized trial. *Ann Surg.*; 231: 506-11.
- Livingston EH and Passaro EP. (1990):** Postoperative ileus. *Dig Dis Sci.*; 35: 121-31.
- Lobo DN, Bostock KA, Neal KR, Perkins AC, Rowlands BJ, Allison SP. (2002):** Effect of salt and water balance on gastrointestinal function after elective colon resection. *Lancet.*; 359: 1812-18.

- MacMillan SLM, Kammerer-Doak D, Rogers RG, Parker KM. (2000):** Early feeding and the incidence of gastrointestinal symptoms after major gynecologic surgery. *Obstet Gynecol.*; 96:604-608.
- Madsen D, Sebolt T, Cullen L, Folkedahl B, Mueller T, Richardson C, et al. (2006):** Listening to bowel sounds: an evidence-based practice project: nurses find that a traditional practice isn't the best indicator of returning gastrointestinal motility in patients who've undergone abdominal surgery. *Am J Nurs*;105(12):40-9;
- Marieb E and Hoehn K. (2007):** Anatomy and physiology of gastrointestinal tract. *Human Anatomy & Physiology*. Benjamin Cummings; 3 edition; 77-99.
- Marwah S, Singla S, Tinna P. (2012):** Role of gum chewing on the duration of postoperative ileus following ileostomy closure done for typhoid ileal perforation: a prospective randomized trial. *Saudi J Gastroenterol*; 18: 111-117.
- Mazzocchi G, Malendowicz LK, Rebuffat P, Tortorella C, Nussdorfer GG. (1997):** Arginine-vasopressin stimulates CRR and ACTR release by rat adrenal medulla, acting via the V1 receptor subtype and a protein kinase C-dependent pathway. *Peptides*; 18: 191-95.
- McCromic JT, Gravin R, Caushak PF, Simmang CL, Gregorcyk SG, Huber PJ, Odorn FC, Downs JM, Read TE, Papaconstantinou HT. (2005):** The effect of gum chewing on bowel function and hospital stay after laparoscopic versus open colectomy: A Multi-Institution Prospective Randomized Trial. *Journal of the American College of Surgeons*; Vol. 201, Issue 3: S66-S67

- Merry B and Power W. (1995):** Perioperative NSAIDs: towards greater safety. *Pain Rev.*; 2:268-291.
- Moss G, Regal ME, Lichtig LK. (1986):** Reducing postoperative pain, narcotics and length of hospitalization. *Surgery* 1986; 90: 206-10.
- Mustafa B. and Roy M. (2009):** Gum chewing to prevent postoperative ileus *Anatol J Obstet Gynecol.*; 1: 23-29.
- Neely J and Catchpole B. (1971):** Ileus restoration of alimentary tract motility' by pharmacological means. *Br J Surg*; 58:21-28.
- Nilsson F and Jung B. (1973):** Gastric evacuation and small propulsion after laparotomy. *Acta Chir Scand*; 139:724-30.
- Nozu T, Martinez V, Rivier J, Tache Y. (1999):** Peripheral urocortin delays gastric emptying: role of CRF receptor 2. *Am J Physiol.*; 276: 867-75.
- Ogilvy AJ and Smith G. (1995):** The gastrointestinal tract after anesthesia. *Eur J Anaesthesiol Suppl.*; 10: 35-42.
- Papaconstantinou H, James TM, R. Garvin, Philip C, Clifford S, Sharon G, Philip H, Clark O, Marcus D, Thomas R (2005):** The Effects of Gum-Chewing on Bowel Function and Hospital Stay After Laparoscopic vs Open Colectomy: A Multi-Institution Prospective Randomized Trial. *Neuroimaging Clin N Am.*; 47:81-97.
- Potalia DS, Hilliard RLM, Toy ECI, Baker B. (2001):** Early feeding after cesarean randomized trials. *Obstet Gynecol.*; 98:113-16.

- Purkayastha S, Tilney HS, Darzi AW, Tekkis PP. (2008):** Meta-analysis of randomized studies evaluating chewing gum to enhance postoperative recovery following colectomy. *Arch Surg* 143: 788-793.
- Rashid MU and Bateman DN. (1990):** Effects of intravenous atropine on gastric emptying, paracetamol absorption, salivary flow and heart rate in young and elderly volunteers. *Br J Clin Pharmacol.*; 30:25-34.
- Richter HM and Kelly KA. (1986):** Effect of transection and pacing on human jejunal pace-setter potentials. *Gastroenterology*; 91: 1380-85.
- Sadek SA, Cranford C, Eriksen C, et al. (1988):** Pharmacological manipulation of adynamic ileus: controlled randomized double-blind study of ceruletide on intestinal motor activity after elective abdominal surgery. *Aliment Pharmacol Ther.*; 2:47-54.
- Sarna SK. (1986):** Cyclic motor activity; migrating motor complex: *Gastro-enterology*; 89: 894-913.
- Schuster R, Grewal N, Gregory, Greaney, Waxman K. (2006):** Gum reduces ileus after elective open sigmoid colectomy. *Arch Surg.*; 141: 174-76.
- Schuster TG and Montie JE. (2002):** Postoperative ileus after abdominal surgery. *Urology*; 59: 465-71.
- Schwarz NT, Beer-Stolz D, Simmons RL, Bauer AJ. (2002):** Pathogenesis of paralytic ileus: intestinal manipulation opens a transient pathway between the intestinal lumen and the leukocytic infiltrate of the jejunal muscularis. *Ann Surg.*; 235: 31-40.

- Schwarz NT, Kalff JC, Turler A, Engel BM, Watkins SC, Billiar TR, Bauer AJ. (2001):** Prostanoid production via COX-2 as a causative mechanism of rodent postoperative ileus. *Gastroenterology*; 121: 1354-71.
- Schwenk W, Bohm B, Haase O, Junghans T, Muller JM. (1998):** Laparoscopic versus conventional colorectal resection: a prospective randomised study of postoperative ileus and early feeding. *Langenbecks Arch Surg.*; 383:49-55.
- Seta ML and Kale-Pradham PB. (2001):** Efficacy of metoclopramide in post-operative ileus after exploratory laparotomy. *Pharmacotherapy*; 10:1181-86.
- Shahnam A, Mohammad H, Mohsen S (2010):** Study of the Effect of Early Feeding, Chewing Gums, and Laxative on Ileus in Patients Who Underwent Open Cholecystectomy; *The Internet Journal of Surgery*. Volume 22 Number 2. DOI: 10.5580/19f9
- Shang H, Yang Y, Tong X, Zhang L, Fang A, Hong L. (2010):** Gum chewing slightly enhances early recovery from postoperative ileus after cesarean section: results of a prospective, randomized, controlled trial. *Am J Perinatol.*;27(5):387-91.
- Shuster R, Grewal N, Greaney GC, Waxman K. (2006):** Gum chewing reduces ileus after elective open sigmoid colectomy. *Arch Surg*; 141:174-176.
- Simren M, Abrahamsson H, Bosaeus I, Brummer RJ, Dolk A, et al. (2007):** Nutritional aspects in patients with functional gastrointestinal disorders and motor dysfunction in the gut.

Working team report of the Swedish Motility Group (SMoG). *Dig Liver Dis* 39: 495-504.

Smith AJ, Nissan A, Lanouette NM, et al. (2000): Prokinetic effect of erythromycin after colorectal surgery: randomized, placebo-controlled, double-blind study. *Dis Colon Rectum.*; 43:333-37.

Soffer EE and Adrian TE. (1992): Effect of meal composition and sham feeding on duodenojejunal motility in humans. *Dig Dis Sci.*; 37:1009-14.

Steinbrook R. (2005): Financial conflicts of interest and the Food and Drug Administration's Advisory Committees. *N Engl J Med* 353: 116-118.

Stewart BT, Woods RJ, Collopy BT, Fink RJ, Mackay JR, et al. (1998): Early feeding after elective open colorectal resections: a prospective randomized trial. *Aust N Z J Surg* 68: 125-128.

Szurszewski JH. (1969): A migrating electric complex of the canine small intestine. *Am J Physiol.*; 217:1757-63.

Tache Y, Monnikes H, Bonaz B, Rivier J. (1993): Role of CRF in stress-related alterations of gastric and colonic motor function. *Ann N Y Acad Sci.*; 697:233-43.

Theodore and Saclarides TJ (2006): Current choices--good or bad--for the proactive management of postoperative ileus: A surgeon's view. *J Perianesth Nurs*; 21: S7-15.

van Leersum NJ, Bonsing BA, Kroon HM, van der Sijp JR, van Weel V. (2012): [Chewing gum to prevent postoperative ileus]. *Ned Tijdschr Geneeskd*; 156: A4794.

Venn R, Steele A, Richardson P, Poloniecki J, Grounds M, Newman P. (2002): Randomized controlled trial to investigate influence of the fluid challenge on duration of hospital stay and perioperative morbidity in patients with hip fractures. *Br J Anaesth*; 88:65–71

Yee MR, Evans WD, Facey PE, Hayward MW, Rosen M. (1991): Gastric emptying and small bowel transit in male volunteers after i.m. ketorolac and morphine. *Br J Anaesth.*; 67:426-31.