

References

Abdel- Hamid H. (1999a):

Physiology of intestinal motility. In Essential of gastrointestinal motility, neurogastroentrology. Cairo New Laser Misr, Golden Press PP:203-207.

Abdel-Hamid H. (1999b):

Physiology of intestinal motility.In: Essential of gastrointestinal motility, neurogastroenterology. Cairo, New Laser Misr, Golden Press pp:3013.

Alcon S., Morales S., Camello P.J., Hemming J.M., Jennings L., Mawe G.M., and M.J. (2001):

A redox-based mechanism for the contractile and relaxing effects of in the guinea pig gall bladder. J Physiol 352:793-810.

Andrews J.M. and Dent J. (2002):

Small intestinal motor physiology. In: Feldman M, Freidman LS, Sleisenger MH (eds): Sleisenger and Fordtran 's Gastrointestinal and liver disease .7th ed Philadelphia ,Saunders Vol 2 : 1665-1678.

Andrews J.M., Doran S.D. and Hebbard G.S. (2001):

Nutrient induced spatial patterning of human duodenal motor function. Am J Physiol Gastrointestinal Liver Physoil;280:G501-G509.

Anvari, M., Paterson C.A. and Daniel E.E. (1998):

Role of nitric oxide mechanisms in control of pyloric motility and transpyloric flow of liquids in conscious dogs. Dig. Dis. Sci. 43: 506-512.

Asanuma K., Iijima K., Ara N., Koike T., Yoshitake J., Ohara S., Shimosegawa T. and Yoshimura T. (2007):

Nitric Oxide. PubMed J Jun;16(4):395-402.

Azpiroz F. and Malagelada J.R. (1986):

Vagally mediated gastric relaxation induced by intestinal nutrients in the dog. Am J Physiol;251:G727–35.

Baccari M.C., Calamai F. and Staderini G. (1994):

Modulation of cholinergic transmission by NO VIP and ATP in the gastric muscle.Neuroreport ,5, 905-908.

Baccari M.C., Calamai F. and Staderini G. (1997):

Nitric Oxide .Neuroreport ,8, 605-608.

Bani D., Baccari M.C., Quattrone S., Calamai F., Bigazzi M. and Tatiana Sacchi. (2007):

Relaxin depresses small bowel motility through a nitric oxide mediated mechanism. *Biology of reproduction* 66: 778-784.

Bartho L. and Lefebvre R.A. (1995):

Nitric oxide mediate contraction in enteric smooth muscle. *Archives Internationales de Pharmacodynamic et de Therapie* 329:53-66.

Beck, P. L., Xavier R., Ezedi E., Mizoguchi E., Mashimo H., Bahn A.K., and Podolsky D.K. (1999) :

Paradoxical roles of different nitric oxide synthase isoforms in colonic injury (Abstract). *Gastroenterology* 116: A798.

Beckman J.S. and Koppenol W.H. (1996):

Nitric oxide ,superoxide and peroxynitrite the good , the bad and the ugly. *Am J Physiol*; 271-1437.

Benouali-pellissier S., Roger T. and Roche M. (1994):

A possible interaction between serotonin and cholecystokinin-8 in the ileo-colonic motor responses to feeding in rats. *Scand J Gastroenterol*; 29:139.

Bjornsson E., Chey W.D. and Ladabaum U. (1997):

Mediation of both the mechano- and chemoreceptor components of the gastrocolonic response but not the colonic peristaltic reflex by serotonergic pathway in healthy humans (abstract). *Gastroenterology*; 112: A700.

Bjornsson E.S. and Abrahansson H. (1995):

Interdigestive gastrointestinal manometry in human. Indications of duodenal phase as a retroperistaltic pump. *Acta Physiol Scand*;153:221.

Bjornsson E.S. and Abrahannsson H. (2007):

NO and gastrointestinal motility in rabbit. *Acta Physiol Scand*;15:22.

Boeckxstaens, G. E., Pelckmans P.A., Bult H., De Man J.G., Herman A.G., and Van Maercke Y.M. (1990) :

Non-adrenergic non-cholinergic relaxation mediated by nitric oxide in the canine ileocolonic junction. *Eur. J. Pharmacol.* 190: 239-246.

- Bonnevier J., Fassler R., Somlyo A.P., Somlyo A.V., and Arner A. (2006):**
Modulation of Ca^{+2} sensitivity by cyclic nucleotide in smooth muscle from protein kinase G deficient mice. *J. Biol Chem.* 279:5146-5151.
- Bornstein J.C., Costa M., Furness J.B. and Lang R.J. (1986):**
Electrophysiological analysis of projections of enteric inhibitor motor neurons in the guinea pig small intestine. *J Physiol (Lond)* 370:61.
- Bradley S.J., Kingwell B.A. & McConnell G.K. (1999):**
Nitric oxide synthase inhibition reduces leg glucose uptake but not blood flow during dynamic exercise in humans. *Diabetes* 48, 1815–1821.
- Bredt D.S. (1999):**
Endogenous NO synthesis :biological functions and pathophysiology. *Free Radic Res* ; 63:175-195.
- Brian S. Zuckerbraun, Detcho A. Stoyanovsky, Rajib Sengupta, Richard A. Shapiro, Brett A. Ozanich, Jayashree Rao, Joel E. Barbato, and Edith Tzeng (2007):**
Nitric oxide-induced inhibition of smooth muscle cell proliferation involves S-nitrosation and inactivation of RhoA. *VASCULAR BIOLOGY Am J Physiol Cell Physiol* 292: C824-C831.
- Brookes S.J.H., Steele P.A. and Costa M. (1991):**
Identification and immunohistochemistry of cholinergic and non cholinergic circular muscle motor neurons in the guinea pig small intestine. *Neuroscience*;42:863.
- Bruleyd V., Parys V., Ropert A., Chayvialle J.A., Roze C. and Galmiche J.P. (1995):**
Erythromycin enhances fasting and postprandial proximal gastric tone in humans. *Gastroenterology* 109:32-39.
- Buchan A.M., Polak J.M. and solcia E. (1978):**
Electron immunohistochemical evidence for the human intestinal I cell as the source of CCK. *Gut* 19:403-407.
- Bult, H., Boeckxstaens G. E., Pelckmans P.A., Jordeans F.H., van Maercke Y.M., and Herman A.G. (1990):**
Nitric oxide as an inhibitory non-adrenergic non-cholinergic neurotransmitter. *Nature* 345: 346-347.

Burnett A. L., Nelson R.J., Calvin D.C., Liu J.X., Demas G.E., Klein S.L., Kriegsfeld L.J., Dawson V.L., Dawson T.M., and Snyder S.H. (1996):

Nitric oxide-dependent penile erection in mice lacking neuronal nitric oxide synthase. *Mol. Med.* 2: 288-296.

Buxton I. L., Cheek D.J., Eckman D., Westfall D.P., Sanders K.M., and Keef K.D. (1993):

NG-nitro-L-arginine methyl ester and other alkyl esters of arginine are muscarinic receptor antagonists. *Circ. Res.* 72: 387-395.

Calignano A., Moncada S., and Di Rosa M. (1991):

Endogenous nitric oxide modulates morphine-induced constipation *Biochem. Biophys. Res. Commun.* 181: 889-893.

Camilleri M. (2001):

Enteric nervous system disorders :genetic and molecular insight for the neurogastroenterologist. *Neurogastroenterol Motil.* 13:277-295.

Chi Dae Kim, Raj K. Goyal and Hiroshi Mashimo. (1999):

Neuronal NOS provides nitrergic inhibitory neurotransmitter in mouse lower esophageal sphincter *Am. J. Physiol. Gastrointest. Liver Physiol.* 277: G280-G284.

Cho K. M., Gibbons S. J., Roeder J. I., Lurken M. S., Zhu J., Wouters M. M., Miller S. M., Szurszewski J. H., Farrugia G.(2007):

Regulation of interstitial cells of Cajal in the mouse gastric body by neuronal nitric oxide. *Neurogastroenterology and Motility*, Volume 19, Number 7, July , pp. 585-595.

Christensen J. (1997):

Intestinal motor Physiology.In: Feldman M, Freidman LS, Sliesenger M11 (eds): Sliesenger and fordtran's Gastrointestinal and liver disease.6th ed. Philadelphia WB Saunders; 1437-1450.

Ciccocioppo, R., Onori L., Messori E., Candura S.M., Coccini T., and Tonini M. (1994):

Role of nitric oxide-dependent and -independent mechanisms in peristalsis and accommodation in the rabbit distal colon. *J. Pharmacol. Exp. Ther.* 270: 929-937.

Coffin B., Lemann M. and Fluoride B. (1994):

Ileal tone in humans:effects of locoregional distentions and eating. *Am J Physiol*;267:G569.

Cook I.J. and Brookes S.J. (2002):

Motility of the large intestine .In; Feldman M, Friedman LS, Sleisenger MH (eds):Sleisenger and Fordtran's Gastrointestinal and liver disease ,7 th ed ,Philadelphia Saunders;1679-1691.

Cook I.J., Furukawa Y. and Panagopoulos V. (2000):

Relationships between spatial patterns of colonic pressure and individual movements of content .Am J Physiol;278:G329-G341.

Costa M. ,Brookes S.J.H. and Hennig G.W. (2000):

Anatomy and physiology of the enteric nervous system.Gut;47 (suppl 4):iv 15- iv 19.

Costa, M. and Furness J. (1976) :

The peristaltic reflex: an analysis of the nerve pathways and their pharmacology. Naunyn Schmiedebergs Arch. Pharmacol. 294: 47-60.

Cotton L., Goyal R. K., and He X.D. (1999) :

Nitric oxide as nitrenergic inhibitory neurotransmitter in gut. Am. J. Physiol. 275 (Gastrointest. Liver Physiol. 39): G118-G119.

Coulie B., Tack J. and Sifrim D. (1999):

Role of nitric oxide in fasting gastric fundus tone and in 5-hydroxytryptamine-1 receptor-mediated relaxation of the gastric fundus. Am J Physiol ;276:G373-7.

Cowles V.E. and Sarna S.K. (1990):

Effect of T spiralis infection on intestinal motor activity in the fasted state. Am J Physiol;259:G693.

Daly J., Bergin A., Sun W.M. and Read N.W. (1993):

Effect of food and anticholinergic drugs on the pattern of rectosigmoid contractions.Gut;34:799.

Daniel E.E., Thomas J., Ramnarain M., Bowes T.J. and Jury J. (2001) :

Do gap junctions couple interstitial cells of Cajal pacing and neurotransmission to gastrointestinal smooth muscle. Neurogastroenterol Motil 13:297-309.

Daniel J. Green, Andrew Maiorana, Gerry O'Driscoll and Roger Taylor. (2004) :

Effect of exercise training on endothelium-derived nitric oxide function in humans J Physiol 561. pp 1-25.

Dapiogny M., Torlesc J.F. and Bommelaer G. (1988):

Myoelectric spiking activity of right colon and rectosigmoid of healthy humans. Dig Dis Sci 33: 1007.

Depoortere I. and Peeters T.L. (1997):

Demonstration and characterization of motilin binding sites in the rabbit cerebellum .Am J Pysiol 272:G994-G999.

Desai K.M., Sessa W.C. and Vane J.R. (1991) :

Involvement of nitric oxide in the reflex relaxation of the stomach to accommodate food or fluid. Nature ;35:477–9.

De Winter B.Y., Boekxstaens G.E., Man J.G., Moreels T.G., Herman A.G .and Pelckmans P.A. (1997):

Effect of adrenergic and nitrergic blockade on experimental ileus in rats.British Journal of Pharmacology, Vol 120, 464-468.

Dockray G.J. (1994):

Vasoactive intestinal polypeptide and related peptides . In: walsh JH, Dockray GJ (series eds)Gut Peptides :Biochemistery and physiology (Comprehensive Endocrinology ,Revised Series).New York, Raven Press, pp 447-472.

El-Mileegy A.A., El-Nahas M.R., El-Sorougy H.G. and Shata H. (1994):

Role of opiate receptors in intestinal motility . MSc. Thesis. Mansoura University .Egypt.pp.46-52.

Eicherson M., Goyal, R. K., and He X.D. (1998) :

Redox form of nitric oxide as nitrergic inhibitory neurotransmitter in gut. Am. J. Physiol. 275 (Gastrointest. Liver Physiol. 38): G1185-G1192.

Cotton F.A., Wilkinson G., Murillo C.A. and Bochmann M. (1999) :

Advanced Inorganic Chemistry, 6th ed. Wiley-Interscience, New York.

Fida, R., Lyster D.J., Bywater R.A., and Taylor G.S.(1997) :

Colonic migrating motor complexes (CMMCs) in the isolated mouse colon. Neurogastroenterol. Motil. 9: 99-107.

Ford M.J., Camilleri M., Wiste J.A. and Hanson R.B.(1995):

Differences in colonic tone and phasic response to a meal in the transverse and sigmoid human colon.Gut;37:246.

Foxx-Orenstein A. E., and Grider J.R. (1996) :

Regulation of colonic propulsion by enteric excitatory and inhibitory neurotransmitters. Am. J. Physiol. 271 (Gastrointest. Liver Physiol. 34): G433-G437.

Furchgott R. F., and Zawadzki J.V. (1980) :

The obligatory role of endothelial cells in the relaxation of arterial smooth muscle by acetylcholine. Nature 288: 373-376.

Furness J.B. (2000):

Types of neurons in the enteric nervous system .J Auton Nerv System; 81:87-96.

Furness J.B. and Clerc N. (2000):

Responses of afferent neurons to the contents of the digestive tract and their relation to endocrine and immune responses. Prog Brain res 122:159-172.

Furness J.B., Kunze W.A., Bornstein J.C. and Clerc N. (1999a):

The enteric nervous system and its extrinsic connections. In: Yamada T (ed):Textbook of gastroenterology 3rd ed ,Philadelphia Williams and Wilkins pp :11-34.

Furness J.B., Kunze W.A. and Clere N. (1999b):

Nutrient tasting and signaling mechanisms in the gut .II .The intestine as a sensory organ :neural, endocrine and immuno responses. Am J Physiol; 277: G922-8.

Furness J.B., Young H.M., Pompolo S., Bornstein J.C., Kunze W.A.A .and McConalogue K. (1995):

Plurichemical transmission and chemical coding of neurons in the digestive tract.Gastroenterology;108:554.

Ganong W.F. (2006):

Regulation of gastrointestinal function .In: Ganong WF (ed).Rev of medical physiology 20th edn. Beirut PP:464-497.

Geider J.R. (1994):

CGRP as a transmitter in the sensory pathway mediating peristaltic reflex .Am J Physiol;266:G1139.

Goyal R.K. and Hirano I. (1996):

The enteric nervous system. *N Engl J Med*;334:1106-1115.

Goyal R. K. and He X.D. (1998) :

Redox form of nitric oxide as nitrergic inhibitory neurotransmitter in gut. *Am. J. Physiol.* 275 (Gastrointest. Liver Physiol. 38): G1185-G1192.

Green D.J., Fowler D.T., O'Driscoll J.G., Blanksby B.A. & Taylor R.R. (1996a) :

Endothelium-derived nitric oxide activity in forearm vessels of tennis players. *J Appl Physiol* 81, 943–948.

Green D.J., O'Driscoll J.G., Blanksby B.A. & Taylor R.R. (1996b) :

Control of skeletal muscle blood flow during dynamic exercise. *Sports Med* 21, 119–146.

Gregersen H., Orvar K. and Christensen J. (1992):

Biomechanical properties of duodenal wall and duodenal tone during phase 1 and phase 2 of the MMC. *AM J Physiol* 263:G795-G801.

Gregg, A. R., Schauer A., Shi O., Liu Z., Lee C.G., and O'Brien W.E. (1998) :

Limb reduction defects in endothelial nitric oxide synthase-deficient mice. *Am. J. Physiol.* 275 (Heart Circ. Physiol. 44): H2319-H2324.

Grider J.R. (1993):

Interplay of VIP and nitric oxide in the regulation of the descending relaxation phase of peristalsis. *AM J Physiol* 264:G334-G340.

Grider J.R., Katsoulis S., Schmidt W.E. and Jin J.G. (1994):

Regulation of the descending relaxation phase of the intestinal peristalsis by PACAP. *J Auton nerv Syst*;50:151.

Grider J.R. and Makhlouf G.M. (1992):

Enteric GABA: mode of action and role in the regulation of the peristaltic reflex. *AM J Physiol*;262:G690.

Grider J. R., Murthy K., Jin J., and Makhlouf G. (1992) :

Stimulation of nitric oxide from muscle cells by VIP: prejunctional enhancement of VIP release. *Am. J. Physiol.* 262 (Gastrointest. Liver Physiol. 25): G774-G778.

Gross S. S., Kilbourn R.G. and Griffith W.O.(1996) :

NO in septic shock: good, bad or ugly? Learning from iNOS knockouts. Trends Microbiol. 4: 47-49.

Grundy D. (2002):

Neuroanatomy of visceral nociception: vagal and splanchnic afferent. Gut;51:12-15.

Guyton A.C. and Hall J.E. (2006) :

Contraction and excitation of smooth muscle .In Medical Physiology. Guyton AC and Hall JE .Philadelphia, Saunders 10 th (edn) .pp: 87-94.

Hambrecht R., Gielen S., Linke A., Fiehn E., Jiangtao Y., Walther C., Schoene N. & Schuler G. (2000a) :

Effects of exercise training on left ventricular function and peripheral resistance in patients with chronic heart failure. JAMA 283, 3095–3101.

Hambrecht R., Hilbrich L., Erbs S., Gielen S., Fiehn E., Schoene N. & Schuler G. (2000b) :

Correction of endothelial dysfunction in chronic heart failure: additional effects of exercise training and oral L-arginine supplementation. J Am Coll Cardiol 35, 706–713.

Hambrecht R., Wolf A., Geilen S., Linke A., Hofer J., Erbs S., Schoene N. & Schuler G. (2000c) :

Effect of exercise on coronary endothelial function in patients with coronary artery disease. N Engl J Med 342, 454–460.

Hammer J. and Phillips S.F. (1993):

Fluid loading for human colon :effects on segmental transit and stool composition. Gastroenterology 105:988.

Hansen M.B. (2003):

Neurohumoral control of Gastrointestinal motility .Physiol .Res. 52:1-30.

Hansan R., Komori S., Unno T. and Ohashi H. (1996):

Pharmacological characterization of adrenergic receptors mediating contractile and relaxant responses to noradrenaline in the longitudinal muscle of guinea pig ileum. J Vet Med Sci; 58 (3): 235-241.

Hasler W.L. (1999b):

Motility of the small intestine and colon . In :Yamada T(ed). Textbook of Gastroenterology. Philadelphia, 3rd ed. Vol 1, Chap 11: 215-244 .

Hata, F., Ishii T., Kanada A., Yamano A., Kataoka T., Takeuchi T. and Yagasaki O. (1990) :

Essential role of nitric oxide in descending inhibition in the rat proximal colon. *Biochem. Biophys. Res. Commun.* 172: 1400-1406.

Hebeiss K. and Kilbinger H. (1996):

Differential effects of NO donors on basal and electrically evoked release of acetylcholine from guinea pig myenteric neurons. *Br J Pharmacol* 118 : 2073-2078.

Hellstrom P.M. and Lijung T. (1996):

Nitroergic inhibition of migrating myoelectric complex in the rat is mediated by vasoactive intestinal peptide. *Neurogastroenterol Motil*, 8:299.

Hirano I., Kakkar R., Saha J.K. and Szymanski P.T. (1997):

Tyrosine phosphorylation in contraction of opossum esophageal longitudinal muscle in response to SNP. *Am J Physiol* 273: G247-G252.

Hiroshi Mashimo and Raj K. Goyal (1999) :

Lessons From Genetically Engineered Animal Models .IV. Nitric oxide synthase gene knockout mice. *Am J Physiol Gastrointest Liver Physiol* 277: G745-G750.

Holzer P., Lippe I.T., Tabrizi A.L., Lenard L.Jr. and Bartho L. (1997):

Dual excitatory and inhibitory effect of NO on peristalsis in the guinea pig intestine. *J Pharmacol Exp Therap* 280: 154-161.

Hornig B., Maier V. & Drexler H. (1996) :

Physical training improves endothelial function in patients with chronic heart failure. *Circulation* 93, 210–214.

Horowitz A., Menice C.B., Laporte R. and Morgan K.G. (1996):

Mechanisms of smooth muscle contraction. *Physiol Rev.* 76:967-1003.

Hosoda, K., Mascolo N., Di Carlo G., and Capasso F. (1998):

NO in septic shock: good, bad or ugly? Learning from iNOS knockouts. *Trends Microbiol.* 6: 57-59.

Huang, P. L., Huang Z., Mashimo H., Bloch K.D., Moskowitz M.D., Bevan J.A. and Fishman M.C. (1995) :

Hypertension in mice lacking the gene for endothelial nitric oxide synthase. *Nature* 377: 239-242.

Huber A., Saur D., Kurjak M., Schusdziarra V. and Allescher H.D. (1998) :

Characterization and splice variants of neuronal nitric oxide synthase in rat small intestine. *Am. J. Physiol.* 275 (Gastrointest. Liver Physiol. 38): G1146-G1156.

Huizinga J.D. and Barajas-Lopez C. (1990):

Ionic and cellular basis for slow-wave-type and spike like action potentials. IN: Sperelakis n, Wood JD, eds, *Frontiers in smooth muscle research*. New York: Alan R, Liss; p:605.

Huizinga J.D., Sten H.S. and Chow E. (1985):

Electrophysiologic control of motility in human colon. *Gastroenterology*; 88:500.

Husebye E. (1999):

The patterns of small bowel motility: Physiology and implications in organic disease and functional disorders .*Neurogasroenterol Motil*; 11:141-161.

Ichinose F., Huang P.L. and Zapol W.M. (1995) :

Effects of targeted neuronal nitric oxide synthase gene disruption and NG-nitro-L-arginine methylester on the threshold for isoflurane anesthesia. *Anesthesiology* 83: 101-108.

Ignarro L. J., Bush P.A., Buga G.M. and Rajfer J. (1990) :

Neurotransmitter identity doubt. *Nature* 347: 131-132.

Izzo A. A., Mascolo N., Di Carlo G., and Capasso F.(1994) :

NG-nitro-L-arginine methyl ester modulates intestinal secretion and motility produced by carbachol. *Eur. J. Pharmacol.* 271: 31-35.

Jan Tack M.D. (2007):

Sumatriptan is an agonist at 5-HT_{1P} receptors on myenteric neurones in the guinea-pig gastric antrum. *Neurogastroenterology & Motility*. Volume 19 Issue 1 Page 39-46.

J Tack, Demedts I., Meulemans A., Schuurkes J. and Janssens J. (2002) :

Role of nitric oxide in the gastric accommodation reflex and in meal induced satiety in humans *Gut* ;51:219-224.

Jin J. G., Katsoulis S., Schmidt W.E., and Grider J.R. (1994) :

Inhibitory transmission in tenia coli mediated by distinct vasoactive intestinal peptide and apamin-sensitive pituitary adenylate cyclase activating peptide receptors. *J. Pharmacol. Exp. Ther.* 270: 433-439.

-
- Joshi S.K. and Gebhart G.F. (2000):**
Visceral pain .Curr Rev. pain;4:499-506.
- Jouet P., Sarna S.K. and Singaram C. (1995) :**
Immunocytes and abnormal gastrointestinal motor activity during ileitis in dogs. AM J Physiol;269:G913.
- Kalff J.C., Schraut W.H., Billiar T.R. and Simmons R.L. (2000)**
:Role of nitric oxide synthase in postoperative intestinal smooth muscle dysfunction in rodents.Gastroenterology; 118: 316-327.
- Karaosomanoglu T., Aygun B., Wade P.R. and Gershon M.D. (1996):**
Regional difference in the number of neurons in the myenteric plexus of the guinea pig small intestine and colon :an evaluation of markers used to count neurons.Anat re; 244:470.
- Karmeli F., Stalnikowicz R., and Rachmilewitz D.(1997) :**
Effect of colchicine and bisacodyl on rat intestinal transit and nitric oxide synthase activity. Scand. J. Gastroenterol. 32: 791-796.
- Katsoulis S., Schmidt W.E. and Schwarzhoff R. (1996) :**
Inhibitory transmission in guinea pig stomach mediated by distinct receptor for pituitary adenylate cyclase –activating peptide J Pharmacol Exp Ther;278:199.
- Keef K.D., Anderson U. , Driscoll K., Ward S.M. and Sanders K.M. (2002):**
Electrical activity induced by nitric oxide in canine colonic circular muscle . Am J Physiol 282:G123-G129.
- Kellow J.E. and Phillips S.F. (1987):**
Altered small bowel motility in irritable bowel syndrome is correlated with symptoms .Gastroenterology ;92:1885.
- Kim, C. D., Goyal R.K., and Mashimo H. (1999) :**
Neuronal NOS provides nitrgergic inhibitory neurotransmitter in the mouse lower esophageal sphincter. Am. J. Physiol. 277 (Gastrointest. Liver Physiol. 40): G280-G284.
- Kirchgessner A.L. and Gershon M.D. (1988):**
Projections of submucosal neurons to the myenteric plexus of the guinea pig intestine :in vitro tracing of microcircuits by retrograde and anterograde transport. J Comp Neurol;277:487.
-

Kone B.C. (1997) :

Nitric oxide in renal health and disease. *Am J of Kidney Dis* .sept; 30 (3): 311-333.

Kopin A.S., Lee Y.M. and McBride E.W. (1992):

Expression cloning and characterization of the canine parietal cell gastrin receptor. *Proc Natl Acad Sci USA* 89:3605-3609.

Kruis W., Azpiroz F. and Philips S.F. (1985) :

Contractile pattern and transit of fluid in canine terminal ileum .*Am J Physiol*;249:G264.

Kunze W.A. and Furness J.B. (1999):

The enteric nervous system and regulation of intestinal motility .*Annu Rev Physiol* 61:117-142.

Lang I.M., Sarna S.K. and Condon R.E. (1986):

Gastrointestinal motor correlates of vomiting in the dog: quantification and characterization as an independent phenomenon .*Gastroenterology*;90:40.

Larsson L.T. and Sundler F. (1990):

Is the reduction of VIP the clue to the pathophysiology of Hirschsprung 's disease .*Z Kinderchir* 45:164-166.

Lee I., Sesso H. & Paffenbarger R.S. (2000) :

Physical activity and coronary heart disease risk in men; does the duration of exercise episodes predict risk? *Circulation* 102, 981–986.

Leither A.B., CHey W.Y. and Kopin A.S. (1994) :

Secretin .In Walsh JH, Dockray GJ (series eds):GUT Peptides :Biochemistry and Physiology (Comprehensive endocrinology ,revised Series) New York ,Raven Press, pp 144-174.

Lemann M., Fluoride B. and Pichen L. (1995):

Motor activity recorded in the unprepared colon of healthy humans.*gut*;37:649.

Liddle R.A., Morita E.T. and Conrad C.K. (1986):

Regulation of gastric emptying in humans by cholecystokinin. *J Clin Invest* 77:992-996.

Lidums I., Hebbard G.S. and Holloway R.(2000) :

Effect of atropine on proximal gastric motor and sensory function in normal subjects. Gut ;47:30–6.

Lieweiyn-Smith I.J., Costa M., Furness J.B. and Bornstein J.C. (1993):

Structure of the tertiary component of the myenteric plexus in the guinea pig small intestine. Cell Tissue Res;272:505.

Lincoln T.M. (1989):

Cyclic GMP and mechanisms of vasodilation. Pharmacol Ther 41: 479-502.

Lincoln T.M. and Cornwell T.L. (1993):

Intracellular cyclic GMP receptor proteins. FASEB J 7: 328-338.

Liu J. and Lee T.J.F. (1999):

Mechanism of prejunctional muscarinic receptor mediated inhibition of neurogenic vasodilation in cerebral arteries. AM J Physiol 276; H 194- H 204.

Lucas K.A., Pitari G.M., Kzerounian S., Ruiz-Stewart I., Park J. and Schulz S. (2000) :

Guanylyl cyclase and signaling by cyclic GMP .Pharmacol Rev 52 :375-414.

MacMicking J. D., Nathan C., Hom G., Chartrain N., Fletcher D.S., Trumbauer M., Stevens K., Xie Q.W., Sokol K. and Hutchinson N. (1995) :

Altered responses to bacterial infection and endotoxic shock in mice lacking inducible nitric oxide synthase. Cell 81: 641-650.

Maczka M., Thor P., Bilshi J. and Konturek S.J. (1994):

Nitric oxide and the interrelation between intestinal motility and pancreatic secretion in fasted and fed dogs. J Physiol Pharmacol;45:285.

Maiorana A., O'Driscoll G., Cheetham C., Dembo L., Stanton K., Goodman C., Taylor R. & Green D. (2001a) :

The effect of combined aerobic and resistance exercise training on vascular function in type 2 diabetes. J Am Coll Cardiol 38, 860–866.

Maiorana A., O'Driscoll G., Dembo L., Cheetham C., Goodman C., Taylor R. & Green D. (2000) :

Effect of aerobic and resistance exercise training on vascular function in heart failure. Am J Physiol 279, H1999–H2005.

Makhlouf G.M. (1995):

Smooth muscle of the gut. In: Textbook of Gastroenterology, T Yamada (ed), JB Lippincott, Philadelphia pp 87-107.

Makhlouf G.M., Grider J.R. and Schubert N.L. (1989):

Identification of physiological function of the gut peptides. In: Makhlouf GM, ed.

Makhlouf G. M., and Murthy K.S. (1997) :

Signal transduction in gastrointestinal smooth muscle. Cell. Signal. 9: 269-276.

Mang C.F., Truempler S., Erbelding D. and Kilbinger H. (2002) :

Modulation of NO of acetylcholine release in the ileum of wild type and NOS gene knockout mice Am J Physiol 283: G1132-G1138.

Mascolo, N., Izzo A.A., Barbato F., and Capasso F. (1993):

Inhibitors of nitric oxide synthetase prevent castor-oil-induced diarrhoea in the rat. Br. J. Pharmacol. 108: 861-864.

Mashimo, H., He D.X., Huang P.L., Fishman M.C. and Goyal R.K. (1996) :

Neuronal constitutive nitric oxide synthase is involved in murine enteric inhibitory neurotransmission. J. Clin. Invest. 98: 8-13.

Mashimo and Raj K. Goyal. (1999):

Nitroergic regulation of colonic transit in rats. Am J Physiol, 275; G27-G29.

Matsuo K., Katsuragi T., Fujiki S., Sato C., and Furukawa T. (1997) :

ATP release and contraction mediated by different P2-receptor subtypes in guinea-pig ileal smooth muscle. Br J Pharmacol 121: 1744-1748.

Mc Conalogue K. and Furness J.B. (1994):

Gastrointestinal neurotransmitters .In: Fuller P, Skulkes A eds. The gut as an endocrine organ .London: Bailliere Tindall;p:51.

Mearadji B., Straathof J.W., Lamers C.B. and Masclee A.A. (1999) :

Effect of gastrin on proximal gastric motor function in humans ;Neurogastroenterol Motil ,11:449-445.

Medeiros J.A., Pontes F.A. and Mesquita O.A. (1997):

Is colonic electrical activity a similar phenomena to small bowel electrical activity. Dis Colon Rectum;40:93.

Meng W., Ma J., Ayata C., Hara H., Huang P.L., Fishman M.C., and Moskowitz M.A. (1996) :

ACh dilates pial arterioles in endothelial and neuronal NOS knockout mice by NO-dependent mechanisms. *Am. J. Physiol.* 271 (Heart Circ. Physiol. 40): H1145-H1150.

Metcalf J.M., Phillips S.F. and Zinsmeister A.R. (1987):

Simplified assessment of the segment colonic transit. *Gastroenterology*;92:40.

Meulemans A.L., Eelen J.G.M. and Schuurkens J.A. (1995) :

NO mediates gastric relaxation after brief vagal stimulation in anesthetized dogs. *Am J Physiol* ;269:G255–61

Mie N. (1993):

Gastrointestinal chemoreception and its behavioral role. In: Both DA ,ed. *Neurophysiology of ingestion*. Oxford: Pergamon Press p:44.

Milenov K. and Kalfin R. (1996) :

Cholinergic-nitrgergic interactions in the guinea-pig gastric fundus. *Neuropeptides* 30: 365-371.

Miller L.J. (1999):

Gastrointestinal hormones and receptors .In: Textbook of Gastroenterology Yamada T (ed) .Philadelphia ,Williams and wilkins,3rd ed. PP:35-66.

Minamino T., Kitakaze M., Matsumura Y., Nishida K., Kato Y., Hasimura K., Matsu-ura Y., Funaya H., Sato H., Kuzuya T. & Hori M. (1998) :

Pact of coronary risk factors on contribution of nitric oxide and adenosine to metabolic coronary vasodilation in humans. *J Am Coll Cardiol* 31, 1274–1279.

Mizuta Y. ,Takahashi T. and Owyang C. (1999) :

Nitrgergic regulation of colonic transit in rats. *Am J Physiol*,277;G275-G279.

Modlin I.M., Kidd M. and Farhadi J. (2000):

Bayliss and starling and the nascence of endocrinology .*Regul Pept* 93:109-123.

Moncada, S., Palmer R.M.J. and Higgs E.A.(1998) :

Nitric oxide: physiology, pathophysiology, and pharmacology. *Pharmacol. Rev.* 43: 109-142.

Monnikes H., Tebbe J., Grote C., Sonntag A., Pluntke K., Sturm K. and Arnold R. (2000):

Cholecystokinin in the paraventricular nucleus of the hypothalamus stimulates colonic motility via CCK-B receptors. *Gastroenterology* 118:A 131.

Murphy R.A. (1998):

Smooth muscle .In: *Physiology*, RM BERNE, MN LEVY, BM KOEPPEN, BE STANTON (eds), Mosby, St. Louis, pp 300-316.

Murray, J., Bates J.N. and J. L. Conklin (1994) :

Nerve-mediated nitric oxide production by opossum lower esophageal sphincter. *Dig. Dis. Sci.* 39: 1872-1876.

Myers J., Prakash M., Froelicher V., Partington S. & Atwood J.E. (2002) :

Exercise capacity and mortality among men referred for exercise testing. *N Engl J Med* 346, 793–801.

Myers B. S., Dempsey D.T., Yasar S., Martin J.S., Parkman H.P. and Ryan J.P. (1997) :

Acute experimental distal colitis alters colonic transit in rats. *J. Surg. Res.* 69: 107-112.

Nakamura J.A., Takahashi T., Taniuchi M., Hsu C.X. and Owyang C. (1998):

Nicotinic receptor mediates NOS expression in the rat gastric myenteric plexus. *J Clin Invest* 10 :1479-1489.

Neild T.O., Shen K.Z. and Surprenant A. (1990) :

Vasodilatation of arterioles by acetylcholine released from single neurons in the guinea pig submucosal plexus. *J Physiol (Lond)*: 420:247.

Niioka S., Takeuchi T., Kishi M., Ishii T., Nishio H., Takewaki T., and Hata F. (1997) :

Nonadrenergic, noncholinergic relaxation in longitudinal muscle of rat jejunum. *Jpn J Pharmacol* 73: 155-161.

Ny L., Alm P., Larsson B., Ekstrom P. and Andersson K.E. (1995):

Nitric oxide pathway in cat esophagus: localization of nitric oxide synthase and functional effects. *Am. J. Physiol.* 268 (Gastrointest. Liver Physiol. 31): G59-G70.

O'Brien M.D. and Philips S.F. (1996):

Colonic motility in the health and disease. *Gastroenterol Clin North Am*;25:147-162.

O'Brien M.D., Camilleri M. and Thomforde G.M. (1997):

Effects of cholecystokinin octapeptide and atropine on human colonic, tone and transit. *Dig Dis Sci*; 42:26.

Ohashi, Y., Kawashima S., Hirata K.I., Yamashita T., Ishida T., Inoue N., Sakoda T., Kurihara H., Yazaki Y. and Yokoyama M. (1998):

Hypotension and reduced nitric oxide-elicited vasorelaxation in transgenic mice overexpressing endothelial nitric oxide synthase. *J. Clin. Invest.* 102: 2061-2071.

Ohta, D., Sarna S.K., Condon R.E. and Lang I.M. (1996) :

Inhibition of nitric oxide synthase in the brain suppresses colonic motor activity. *Am. J. Physiol.* 270 (Gastrointest. Liver Physiol. 33): G717-G724.

Oliver A.S. and Vigna S.R. (1997):

CCK-A and CCK-B like receptors in the gallbladder and stomach of the alligator (*Alligator mississippiensis*). *Gen Comp Endocrinol* 105:91.

Olsson C. and Holmgren S. (2001):

The control of gut motility. *Comp Biochem Physiol A* 128:481-503.

Orihata, M. and Sarna S.K. (1994) :

Inhibition of nitric oxide synthase delays gastric emptying of solid meals. *J. Pharmacol. Exp. Ther.* 271: 660-670.

Otsuguro K., Ito S., Ohta T. and Nakazato Y. (1996) :

Influence of purines and pyrimidines on circular muscle of the rat proximal stomach. *Eur J Pharmacol* 317: 97-105.

Pandolfino J.E., Howden C.W. and Kahrilas P.J. (2000) :

Motility modifying agents and management of disorders of gastrointestinal motility. *Gastroenterology* 118 (Suppl):S32-S47.

Parkman H.P., Pagano A.P. and Ryan J.P. (1997) :

PACAP and VIP inhibit pyloric muscle through VIP/PACAP-preferring receptors. *Regul Pept* 71: 185-190.

Parkman, H.P., Pagano A.P., Thomas R.M. and Ryan J.P. (1998) :

Enteric neural regulation of pyloric sphincter function (Abstract). *Gastroenterology* 114: A819.

Pelleg, A., and Hurt C.M. (1996) :

Mechanism of action of ATP on canine pulmonary vagal C fibre nerve terminals. *J Physiol (Lond)* 490: 265-275.

Pert C.B., Ruff M.R., Weber R.J. and Herkenham M. (1985):

Neuropeptides and their receptors: A Psychosomatic network .*J Immunol*;135:820S-826S.

Pfeifer, A., Klatt P., Massberg S., Ny L., Sausbier M., Hirneiss C., Wang G.X., Korth M., Aszodi A., Andersson K.E., Krombach F., Mayerhofer A., Ruth P., Fassler R. and Hofmann F. (1998) :

Defective smooth muscle regulation in cGMP kinase I-deficient mice. *EMBO J.* 17: 3045-3051.

Philip T., Nowicki A. , Donna A. Caniano , Sue Hammond , Peter J. Giannone, Gail E. Besner , Kristina M. Reber and Craig A. Nankervis. (2007):

Endothelial Nitric Oxide Synthase in Human Intestine Resected for Necrotizing Enterocolitis. *The Journal of Pediatrics.* Volume 150, Issue 1, January, Pages 40-45.

Plourde V., Quintero E., Suto G., Coimbra C. and Tache Y. (1994) :

Delayed gastric emptying induced by inhibitors of nitric oxide synthase in rats. *Eur. J. Pharmacol.* 256: 125-129.

Poitras P., Trudel L., Miller P. and Gu C.M. (1997):

Regulation of motilin release: studies with ex vivo perfused canine jejunum .*Am J Physiol*;272:G4.

Qiu B. S., Mashimo H., Vallance P.A., Blennerrhassett P.A. and Collins S.M. (1998) :

Susceptibility of mice with specific NOS gene deletions to experimental colitis (Abstract). *Gastroenterology* 114: A1065.

Quigley E.M.M., Phillips S.F. and Dent J. (1984):

Distinctive patterns of interdigestive motility at the canine ileocolonic junction. *Gastroenterology* ;87:836.

Quigley E.M.M., Spanta A.D. and rose S.G. (1990) :

Log term effects of jejunoileal autotransplantation on myoelectric activity in the canine small intestine. *Dig Dis Sci* ;35:1505-1517.

Radegran G .& Saltin B. (1998) :

Muscle blood flow at the onset of dynamic exercise in humans. *Am J Physiol* 274, H314–H322.

Rae M.G., Khoyi M.A. and Keef K.D. (1998):

Modulation of cholinergic neuromuscular transmission by nitric oxide in canine colonic circular smooth muscle *Am J Physiol Gastrointest Liver Physiol* 275:G1324-G1332.

Rand M.J. (1992):

Nitric transmission :nitric oxide as a mediator of non adrenergic non cholinergic neuro- effector transmission. *Clin Exp Pharmacol Physiol*;19:147.

Rao S.S. and Welcher K. (1996):

Periodic rectal motor activity : the intrinsic colonic gasterkeeper ;*AM J Gastroenterol*;91:890.

Reddix R., Kuwahara A., Wallace L. and Cooke H.J. (1994):

Vasoactive intestinal polypeptide :a transmitter in the submucous plexus mediating secretion in guinea pig distal colon . *J Pharmacol Exp Ther*;269:1124.

Rees W.D.W., Malagelada J.R., Miller L.J. and Go V.L.W. (1982):

Human interdigestive and postprandial gastrointestinal and gastrointestinal hormone patterns. *Dig Dis Sci*;27:321.

Rfhfeld J.F. (1998) :

The biology of gastrointestinal hormones. *Physiol Rev* 78:1087-1108.

Rodeique - Membrilla V. and Jimenez M. (1995):

Is nitric oxide the final mediator regulating the migrating myoelectric complex cycle. *Am J Physiol*;268:G207.

Rodeberg D.A., Chaet M.S. and Bass R.C. (1995) :

Nitric oxide: an overview. *The American Journal of Surgery*; 170: 292-303.

Russo A., Fraser R. and Adachi K. (1999) :

Evidence that nitric oxide mechanisms regulate small intestinal motility in humans. *Gut* ;44:72–6.

Saha J.K., Hirano I. and Goyal R.K. (1993):

Biphasic effect of polycarbophil : an indigestible ,particular substance.Gastroenterology; 89: 307.

Salvador Moncada and Annie Higgs.(2007):

The L-Arginine-Nitric Oxide Pathway New England J medicine,Volume 329, number 27:2002-2012.

Salzman, A. L. (1995) :

Nitric oxide in the gut. New Horiz. 3: 33-45.

Sanders K.M., Ordog .T, Koh S.D., Torihashi S. and Ward S.M. (1999):

Deveipment and plasticity of the intestinal cells of Cajal. Neurogastroenterol motil 11:311-338.

Sanders K.M .and Publicover N.G .(1989):

Electrophysiological of the gastric musculature .In: Wood JD, ed. Handbook of physiology. Section 6 :The gastrointestinal system, Vol 1,2nd ed .Baltimore, MD: American Physiology Society ;p:187.

Sang, Q., and Young H.M. (1998) :

The origin and development of the vagal and spinal innervation of the external muscle of the mouse esophagus. Brain Res. 809: 253-268.

Sarna S.K. (1991) :

MMC migration: neural or muscular. Am J Physiol;260:G665.

Sarna, S. K. (1993) :

Colonic motor activity. Surg. Clin. North Am. 73: 1201-1223.

Sarna S.K. and Otterson M.F . (1992):

The prokinetic effects of cisapride on the colon and small intestine (abstract). Gastroenterology;102:A508.

Sarna S.K., Otterson M.F., Ryan A.P. and Cowles V.E. (1993):

Nitric oxide regulates migrating motor complex cycling and its postprandial disruption .Am J Physiol;265:G749.

Scarpignato C. (1996):

Prokinetic drugs .In: Update gastroenterology, Galmche JP(ed),J. Libbey Eurotext, pp 115-141.

Selemidis S., Satchell D.G. and Cocks T.M. (1997) :

Evidence that NO acts as a redundant NANC inhibitory neurotransmitter in the guinea-pig isolated taenia coli. *Br J Pharmacol* 121: 604-611.

Sesso H., Paffenbarger R. & Lee I. (2000) :

Physical activity and coronary heart disease in men: The Harvard Alumni Health Study. *Circulation* 102, 975–980.

Sha S., Matsushima Y. and Habu S. (1996):

Extrinsic nervous control of retrograde giant contraction during vomiting in conscious dogs. *Dig Dis Sci*;41:1546.

Shook J.E., Kazmierki W. and Wire W.S. (1988):

Opioid receptor selectivity of B –endorphin in vitro and in vivo :Mu, delta and epsilon receptors. *J Pharmacol Exp Thero* 246:1018-1025.

Sims M.A., Hasler W.L. and Chey W.D. (1998):

Hperglycemia inhibits mechanoreceptor mediated gastrocolonic responses and colonic peristalsis reflexs in humans:*Gastroenterology*;108:350.

Sinoway L.I., Musch T.I., Minotti J.R. & Zelis R. (1986):

Enhanced maximal metabolic vasodilation in the dominant forearms of tennis players. *J Appl Physiol* 61, 673–678.

Slzman K., Takahashi T. and Owyang C. (1995) :

Vagal control of nitric oxide and vasoactive intestinal polypeptide release in the regulation of gastric relaxation. *J Physiol* ;484:81–92.

Smith T.K., Bornstein J.C. and Furness J.B. (1990):

Distentin evoked ascending and descending reflexes in the circular muscle of the guinea pig ileum :an intracellular study .*J Auton Nerv syst*;29:203.

Smith T.K., Furness J.B., Costa M. and Bornstein J.C. (1998):

An electrophysiological study of the projections of motor neurons that mediate non cholinergic excitation in the circular muscle of the guinea pig small intestine. *J Auton Nerv Syst* 22:115.

Snyder S. H., Jaffrey S.R. and Zakhary R. (1998) :

Nitric oxide and carbon monoxide: parallel roles as neural messengers. *Brain Res. Brain Res. Rev.* 26: 167-175.

Soediono P. and Burnstock G. (1994) :

Contribution of ATP and nitric oxide to NANC inhibitory transmission in rat pyloric sphincter. *Br J Pharmacol* 113: 681-686.

Son H., Hawkins R.D., Martin K., Kiebler M., Huang P.L., Fishman, M.C. and Kandel E.R. (1996) :

Long-term potentiation is reduced in mice that are doubly mutant in endothelial and neuronal nitric oxide synthase. *Cell* 87: 1015-1023.

Song Z.M., Brookes S. and Costa M. (2003):

Projections Of Specific Morphological Types Of Neurons Within The Myenteric Plexus Of the small intestine of the guinea pig. *Cell Tissue Res*; 285:149.

Stamler J.S. and Meissner G. (2001):

Physiology of NO in skeletal muscle. *Physiol Rev*; 81 :209-37.

Stark M. E. and Szurszewski J.H. (1992) :

Role of nitric oxide in gastrointestinal and hepatic function and disease. *Gastroenterology* 103: 1928-1949.

Steel Robert G. D .and Torrie James .(1980):

Principles and procedures of statistics: A biometrical approach. 2nd. Ed. Macgraw-Hill Book company.

Stark M.E., Bauer A.J., Sarr M.G. and Szurszewski J.H. (2006):

Nitric oxide mediates inhibitors nerve input in human and canine jejunum. *Gastroenterology*; 104: 398-409.

Tack J., Piessevaux H. and Coulie B. (1998) :

Role of impaired gastric accommodation to a meal in functional dyspepsia. *Gastroenterology* ;115:1346–52.

Tadashi Ishiguch, Toku Takahashi, Hidekazu Itoh and Chung Owyang (2000) :

Nitrgergic and purinergic regulation of the rat pylorus. *Am J Physiol Gastrointest Liver Physiol* 279: G740-G747.

Takahashi T. and Owyang C. (1995) :

Vagal control of nitric oxide and vasoactive intestinal polypeptide release in the regulation of gastric relaxation. *J Physiol* ;484:481–92.

Takahashi T. and Owyang C.(1998) :

Regional differences in the nitrergic innervation between the proximal and the distal colon in rats. *Gastroenterology* 115: 1504-1512.

Talley N.J., Stanghellini V. and Heading R.C. (1999) :

Functional gastroduodenal disorders. *Gut* ;45(suppl II):37–42.

Teng, B., Murthy K.S., Kuemmerle J.F., Grider J.R., Sase K., Michel T. and Makhlouf G.M. (1998) :

Expression of endothelial nitric oxide synthase in human and rabbit gastrointestinal smooth muscle cells. *Am. J. Physiol.* 275 (Gastrointest. Liver Physiol. 38): G342-G351.

Thirens B. (1992):

Expression cloning of the pancreatic beta cells report for the glucocretin hormone glucagon like peptide 1. *Proc Natl Acad Sci USA* 89:8641.

Thomsens L., Pearson G.T., Latsen E.H. and Skadhauge E. (1997):

Electrophysiological properties of neurons in the internal and external submucous plexus of newborn pig small intestine .*J Physiol (Lond)*;498:773.

Thumshirn M., Camilleri M. and Choi M.G. (1999) :

Modulation of gastric sensory and motor functions by nitergic and alpha2-adrenergic agents in humans. *Gastroenterology* ;116:573–85.

Tomaru, A., Ishii A., Kishibayashi N., and Karasawa A. (1993) :

Colonic giant migrating contractions induced by glycerol enema in anesthetized rats. *Jpn. J. Pharmacol.* 63: 525-528.

Tonini M., De Giorgio R. and De Ponti F. (2000) :

Role of nitric oxide- and vasoactive intestinal polypeptide-containing neurones in human gastric fundus strip relaxations. *Br J Pharmacol* ;129: 12–20.

Tsukamoto M., Sarna S.K. and Condon R.E. (1997):

Anovel motility effect of tachykinins in normal and inflamed colon .*Am J Physiol*; 272:Gut;44:33-39.

Van Assche G., Depoortere I.,THijs T., Missiaen L., Penninckx F., Takanashi H., Geboes K., Janssens J. and Peeters T.L.(2001):

Contractile eeffects and intracellular Ca²⁺ signaling induced by motilin and erythromycin in the circular smooth muscle of human colon. *Neurogastroenterol Motil* 13:27-35.

Vanden Berghe P., Vos R. and Janssens J. (2000) :

Site of triggering of the accommodation reflex in man. *Gastroenterology* ;118:A185.

Vanderwinden J.M. (1999):

Role of interstitial cells of Cajal and their relationship with the enteric nervous system. *Eur J Morphol* 37:250-256.

Vanner S. and Surprenant A. (1996):

Neural reflexes controlling intestinal microcirculation. *Am J Physiol*;271:G223.

Vigna J.K. (1997):

Neurotransmission in interstitial cells of Cajal. *Gastroenterology* 115: 31-32.

Ward S. M., Morris G., Reese L., Wang X.Y. and Sanders K.M. (1998) :

Interstitial cells of Cajal mediate enteric inhibitory neurotransmission in the lower esophageal and pyloric sphincters. *Gastroenterology* 115: 314-329.

Wilson A.J. and Costa M. (1987):

The fine structure of the submucous plexus of the guinea pig ileum. Part 1, The ganglia, neurons, schwann cells and neuropil. *J Neurocytol*; 10:759.

Wink D.A., Cook J.A., Kim S., Vodovotz Y., Pacelli R. and Kishna M.C. (1997) :

Superoxide modulate the oxidation and nitrosation of thiols by nitric oxide derived reactive intermediates. *J Biol Chem*; 272: 11147-11151.

Wood J.D. (1981):

Intrinsic neural control of intestinal motility. *Ann Rev Physiol*; 43:330.

Wood J.D. (1999):

Mixing and moving in the gut. *Gut* 45:333-334.

Worl J., Mayer B and neuhuber W.L. (1997):

Spatial relationship of enteric nerve fibers to vagal motor terminals and the sarcolemma in motor endplates of rat esophagus :Aconfocal laser scanning and electron-microscopic study. *Cell Tissue Res*;287:113.

Young H.M. and Furness J.B. (1995):

An ultrastructural examination of the targets of serotonin immunoreactive descending interneurons in guinea pig small intestine .JComp Neurol 356:101.

Yuan S.Y., furness J.B., Bornstein J.C. and Smith T.K. (1991):

Mucosal distortion by compression elicits polarized reflexes and enhances responsess of the circular muscle to distension in the small intestine. J Auton Nerv Syst;35:219.

Yuan, S., Costa M., and Brookes S.J.H. (1998) :

Neuronal pathways and transmission to the lower esophageal sphincter of the guinea pig. Gastroenterology 115: 661-671.