

Defecation is the final act of digestion, by which organisms eliminate solid, semisolid, or liquid waste material from the digestive tract via the anus. Humans expel feces with a frequency varying from a few times daily to a few times weekly.

- 1: Mallereau CH, Todeschi J, Lefevre E, Chibbaro S, Proust F, Cebula H. Is physical activity a [trigger](#) factor for subarachnoid hemorrhage? *Neurochirurgie*. 2021 Jun 29;S0028-3770(21)00172-7. doi: 10.1016/j.neuchi.2021.06.011. Epub ahead of print. PMID: 34214496.
- 2: Ayık Ö, Kozanoğlu E, Önoğlu Y, Durmaz H. Post-traumatic double crush pudendal nerve entrapment syndrome after fracture of the pelvis: A case report. *Acta Orthop Traumatol Turc*. 2021 May;55(3):277-280. doi: 10.5152/j.aott.2021.20208. PMID: 34100371.
- 3: Xu F, Jian F, Li L, Guan J, Chen Z. Surgical Treatment of Ten Adults with Spinal Extradural Meningeal Cysts in the Thoracolumbar Spine. *J Korean Neurosurg Soc*. 2021 Mar;64(2):238-246. doi: 10.3340/jkns.2020.0244. Epub 2021 Feb 26. PMID: 33715325; PMCID: PMC7969037.
- 4: Korolkiewicz P, Ali S, Szmuda T, Słoniewski P. A commentary on coffee consumption for recovery of intestinal function after laparoscopic gynecological surgery: A randomized controlled trial (*Int J Surg* 2020; 82:130-5). *Int J Surg*. 2021 Jan;85:29. doi: 10.1016/j.ijssu.2020.11.023. Epub 2020 Dec 2. PMID: 33276166.
- 5: Takebayashi K, Shiwa T, Ishikawa T, Taira T, Kawamata T. Spinal cord infarction six months after thoracic endovascular aortic repair- A case report. *Heliyon*. 2020 Sep 7;6(9):e04869. doi: 10.1016/j.heliyon.2020.e04869. PMID: 32964161; PMCID: PMC7490530.
- 6: Na JH, Kim JH, Kang HI, Bae IS, Kim DR, Moon BG. Influence of Triggering Events on the Occurrence of Spontaneous Intracranial Hemorrhage : Comparison of Non-Lesional Spontaneous Intraparenchymal Hemorrhage and Aneurysmal Subarachnoid Hemorrhage. *J Korean Neurosurg Soc*. 2020 Sep;63(5):607-613. doi: 10.3340/jkns.2020.0128. Epub 2020 Sep 1. PMID: 32883056; PMCID: PMC7477149.
- 7: You W, Hu W, Wang F, Pan Z, Zhu Q, Zhou J, Hu W. Analysis of the Causes and Experience in the Diagnosis and Treatment of Intravertebral Mobile Nerve Sheath Tumors-Case Report and Review of the Literature. *World Neurosurg*. 2020 Nov;143:129-133. doi: 10.1016/j.wneu.2020.07.166. Epub 2020 Jul 31. PMID: 32745650.
- 8: Huang Z, Hu C, Tong Y, Fan Z, Liu K, Yang B, Zhao C. Percutaneous pedicle screw fixation combined with transforaminal endoscopic spinal canal decompression for the treatment of thoracolumbar burst fracture with severe neurologic deficit: A case report. *Medicine (Baltimore)*. 2020 May 22;99(21):e20276. doi: 10.1097/MD.00000000000020276. PMID: 32481306; PMCID: PMC7249900.
- 9: Sato K, Matsuo A, Hiu T, Kurohama H, Miura S, Ito K, Moritsuka T, Honda K, Kawahara I, Ono T, Haraguchi W, Ushijima R, Tsutsumi K. [Falx Meningioma Presenting with Intratumoral Hemorrhage and Interhemispheric Acute Subdural Hematoma:A Case of Report]. *No Shinkei Geka*. 2020 May;48(5):413-422. Japanese. doi: 10.11477/mf.1436204203. PMID: 32434952.
- 10: Zhu JL, Wang XT, Gong J, Sun HB, Zhao XQ, Gao W. The combination of transversus abdominis plane block and rectus sheath block reduced postoperative pain after splenectomy: a randomized trial. *BMC Anesthesiol*. 2020 Jan 23;20(1):22. doi: 10.1186/s12871-020-0941-1. PMID: 31973700; PMCID: PMC6979058.

- 11: Dupont G, Wahl L, Alcalá Dominguez T, Wong TL, Haładaj R, Wyśiadecki G, Iwanaga J, Tubbs RS. Anatomy, physiology, and updates on the clinical management of constipation. *Clin Anat*. 2020 Nov;33(8):1181-1186. doi: 10.1002/ca.23561. Epub 2020 Jan 28. PMID: 31960980.
- 12: Wei HL, Lu S, Chang YM. [Persistent chest pain for 4 months and progressive lower limb weakness for 2 months in a boy]. *Zhongguo Dang Dai Er Ke Za Zhi*. 2019 Aug;21(8):820-823. Chinese. doi: 10.7499/j.issn.1008-8830.2019.08.015. PMID: 31416509; PMCID: PMC7389903.
- 13: Gourcerol G, Maltete D, Chastan N, Welter ML, Leroi AM, Derrey S. Does Bilateral Deep Brain Stimulation of the Subthalamic Nucleus Modify Ano-Rectal Motility in Parkinson's Disease? Results of a Randomized Cross-Over Study. *Neuromodulation*. 2019 Jun;22(4):478-483. doi: 10.1111/ner.12947. Epub 2019 Mar 25. PMID: 30908813.
- 14: Macedo A Jr, Cavalheiro S, Moron A, Lobountchenko T, Dini FS, Ottoni SL, Garrone G, Ligor R, Leal da Cruz M. Urinary and Fecal Continence in 5-Year-Old Patients Who Underwent in utero Myelomeningocele Repair: A Prospective Study. *Fetal Diagn Ther*. 2019;46(5):319-322. doi: 10.1159/000496791. Epub 2019 Mar 18. PMID: 30884481.
- 15: Qiao XF, Jia WD, Li YQ, Lv JG, Zhou H. Effectiveness of Parecoxib Sodium Combined with Transversus Abdominis Plane Block for Pain Management After Hepatectomy for Hepatocellular Carcinoma: A Prospective Controlled Study. *Med Sci Monit*. 2019 Feb 7;25:1053-1060. doi: 10.12659/MSM.912843. PMID: 30730866; PMCID: PMC6375540.
- 16: Ono T, Nagao M, Imoto H, Watanabe K, Tanaka N, Motoi F, Naitoh T, Unno M. Effects of Calcitonin Gene-Related Peptide on Colonic Motility and Defecation in Conscious Dogs. *J Gastrointest Surg*. 2018 Dec;22(12):2097-2103. doi: 10.1007/s11605-018-3858-y. Epub 2018 Jul 6. PMID: 29980973.
- 17: Maetani Y, Nakamori M, Watanabe T, Matsushima H, Imamura E, Wakabayashi S. Subarachnoid hemorrhage after transient global amnesia caused by cerebral venous congestion: case report. *BMC Neurol*. 2018 Apr 6;18(1):36. doi: 10.1186/s12883-018-1042-3. PMID: 29625555; PMCID: PMC5889575.
- 18: Chen F, Liu B, Yu Y, Du J, Chen D. Primary Spinal Malignant Mesothelioma: A Case Report and Literature Review. *World Neurosurg*. 2018 Jun;114:211-216. doi: 10.1016/j.wneu.2018.03.124. Epub 2018 Mar 26. PMID: 29588242.
- 19: Umakoshi M, Yasuhara T, Toyoshima A, Sasada S, Kusumegi A, Morimoto J, Kin K, Tomita Y, Date I. Spinal Extradural Arachnoid Cyst: Significance of Intrathecal Infusion after Fistula Closure. *Acta Med Okayama*. 2018 Feb;72(1):73-76. doi: 10.18926/AMO/55666. PMID: 29463942.
- 20: Zhang K, Qu S, Li J, Cheng Y, Shi J, Liu T. A case report of rectal schwannoma treated with laparoscopic proctectomy. *Medicine (Baltimore)*. 2018 Feb;97(7):e9866. doi: 10.1097/MD.0000000000009866. PMID: 29443751; PMCID: PMC5839841.
- 21: Sharma A, Kurek J, Morgan JC, Wakade C, Rao SSC. Constipation in Parkinson's Disease: a Nuisance or Nuanced Answer to the Pathophysiological Puzzle? *Curr Gastroenterol Rep*. 2018 Jan 19;20(1):1. doi: 10.1007/s11894-018-0609-x. PMID: 29350301.
- 22: Li DY, Dai YK, Zhang YZ, Huang MX, Li RL, Ou-Yang J, Chen WJ, Hu L. Systematic review and meta-analysis of traditional Chinese medicine in the treatment of constipation-predominant irritable bowel syndrome. *PLoS One*. 2017 Dec 18;12(12):e0189491. doi: 10.1371/journal.pone.0189491. PMID: 29253850; PMCID: PMC5734785.

- 23: Janssen PTJ, Breukink SO, Melenhorst J, Stassen LPS, Bouvy ND, Temel Y, Jahanshahi A. Behavioral outcomes of a novel, pelvic nerve damage rat model of fecal incontinence. *Neurogastroenterol Motil*. 2018 Apr;30(4):e13242. doi: 10.1111/nmo.13242. Epub 2017 Nov 16. PMID: 29144006.
- 24: Lee MS, Park CG, Hughes TL, Jun SE, Whang K, Kim N. The predictive role of health-promoting behaviours and perceived stress in aneurysmal rupture. *J Clin Nurs*. 2018 Mar;27(5-6):e1068-e1077. doi: 10.1111/jocn.14149. Epub 2018 Feb 21. PMID: 29076614.
- 25: Korse NS, Kruit MC, Peul WC, Vleggeert-Lankamp CLA. Lumbar spinal canal MRI diameter is smaller in herniated disc cauda equina syndrome patients. *PLoS One*. 2017 Oct 12;12(10):e0186148. doi: 10.1371/journal.pone.0186148. PMID: 29023556; PMCID: PMC5638415.
- 26: Inamasu J, Tomiyasu K, Miyatake S, Mayanagi K, Yoshii M, Nakatsukasa M. Clinical characteristics of stroke occurring in the toilet: Are older adults more vulnerable? *Geriatr Gerontol Int*. 2018 Feb;18(2):250-255. doi: 10.1111/ggi.13168. Epub 2017 Aug 31. PMID: 28858408.
- 27: Wang T, Gu JW, Shi TJ, Li K, Wang W, Bai XJ, Zhang JH, Yang ZF, Cui SJ. Surgical management of 142 cases of split cord malformations associated with osseous divide. *Neurol Neurochir Pol*. 2017 Nov-Dec;51(6):459-464. doi: 10.1016/j.pjnns.2017.07.013. Epub 2017 Aug 1. PMID: 28826918.
- 28: Shanbhag NC, Duyff RF, Groen RJM. Symptomatic Thoracic Nerve Root Herniation into an Extradural Arachnoid Cyst: Case Report and Review of the Literature. *World Neurosurg*. 2017 Oct;106:1056.e5-1056.e8. doi: 10.1016/j.wneu.2017.07.105. Epub 2017 Jul 25. PMID: 28754642.
- 29: Kieninger M, Flessa J, Lindenberg N, Bele S, Redel A, Schneiker A, Schuierer G, Wendl C, Graf B, Silbereisen V. Side Effects of Long-Term Continuous Intra-arterial Nimodipine Infusion in Patients with Severe Refractory Cerebral Vasospasm after Subarachnoid Hemorrhage. *Neurocrit Care*. 2018 Feb;28(1):65-76. doi: 10.1007/s12028-017-0428-1. PMID: 28685393.
- 30: Choi JH, Jang JS, Jang IT. Abdominal Flank Bulging after Lateral Retroperitoneal Approach: A Case Report. *NMC Case Rep J*. 2016 Dec 12;4(1):23-26. doi: 10.2176/nmccrj.cr.2016-0084. PMID: 28664021; PMCID: PMC5364903.
- 31: Skardoon GR, Khera AJ, Emmanuel AV, Burgell RE. Review article: dyssynergic defaecation and biofeedback therapy in the pathophysiology and management of functional constipation. *Aliment Pharmacol Ther*. 2017 Aug;46(4):410-423. doi: 10.1111/apt.14174. Epub 2017 Jun 29. PMID: 28660663.
- 32: Ravichandran NT, Sistla SC, Kundra P, Ali SM, Dhanapal B, Galidevara I. Laparoscopic-assisted Tranversus Abdominis Plane (TAP) Block Versus Ultrasonography-guided Transversus Abdominis Plane Block in Postlaparoscopic Cholecystectomy Pain Relief: Randomized Controlled Trial. *Surg Laparosc Endosc Percutan Tech*. 2017 Aug;27(4):228-232. doi: 10.1097/SLE.0000000000000405. PMID: 28472015.
- 33: Korse NS, Veldman AB, Peul WC, Vleggeert-Lankamp CLA. The long term outcome of micturition, defecation and sexual function after spinal surgery for cauda equina syndrome. *PLoS One*. 2017 Apr 19;12(4):e0175987. doi: 10.1371/journal.pone.0175987. PMID: 28423044; PMCID: PMC5397048.
- 34: McClurg D, Goodman K, Hagen S, Harris F, Treweek S, Emmanuel A, Norton C, Coggrave M, Doran S, Norrie J, Donnan P, Mason H, Manoukian S. Abdominal massage for neurogenic bowel dysfunction in people with multiple sclerosis (AMBER - Abdominal Massage for Bowel Dysfunction Effectiveness Research): study protocol for a randomised controlled trial. *Trials*. 2017 Mar 29;18(1):150. doi: 10.1186/s13063-017-1890-y. PMID: 28356133; PMCID: PMC5372315.

- 35: Kan KKW, Wai MK, Jones RL, Rudd JA. Role of prostanoid EP_{3/1} receptors in mechanisms of emesis and defaecation in ferrets. *Eur J Pharmacol.* 2017 May 15;803:112-117. doi: 10.1016/j.ejphar.2017.03.035. Epub 2017 Mar 16. PMID: 28322837.
- 36: Korse NS, Pijpers JA, van Zwet E, Elzevier HW, Vleggeert-Lankamp CLA. Cauda Equina Syndrome: presentation, outcome, and predictors with focus on micturition, defecation, and sexual dysfunction. *Eur Spine J.* 2017 Mar;26(3):894-904. doi: 10.1007/s00586-017-4943-8. Epub 2017 Jan 19. PMID: 28102451.
- 37: Kim SH, Lee YS, Suh SJ, Lee JH, Ryu KY, Kang DG. Acute Pontine Infarction due to Basilar Artery Dissection from Strenuous Physical Effort: One from Sexual Intercourse and Another from Defecation. *J Cerebrovasc Endovasc Neurosurg.* 2016 Jun;18(2):100-105. doi: 10.7461/jcen.2016.18.2.100. Epub 2016 Jun 30. PMID: 27790399; PMCID: PMC5081493.
- 38: Qi XS, Wang JP, Gomez CL, Shao W, Xu X, King C, Low DA, Steinberg M, Kupelian P. Plan quality and dosimetric association of patient-reported rectal and urinary toxicities for prostate stereotactic body radiotherapy. *Radiother Oncol.* 2016 Oct;121(1):113-117. doi: 10.1016/j.radonc.2016.08.012. Epub 2016 Aug 29. PMID: 27587270.
- 39: van Wulfften Palthe OD, Houdek MT, Rose PS, Yaszemski MJ, Sim FH, Boland PJ, Healey JH, Hornicek FJ, Schwab JH. How Does the Level of Nerve Root Resection in En Bloc Sacrectomy Influence Patient-Reported Outcomes? *Clin Orthop Relat Res.* 2017 Mar;475(3):607-616. doi: 10.1007/s11999-016-4794-3. PMID: 26992721; PMCID: PMC5289168.
- 40: Quinn MJ. Autonomic denervation: A new aetiological framework for clinical obstetrics and gynaecology. *Med Hypotheses.* 2016 Apr;89:43-7. doi: 10.1016/j.mehy.2016.01.003. Epub 2016 Jan 29. PMID: 26968908.
- 41: Krygowska-Wajs A, Furgala A, Gorecka-Mazur A, Pietraszko W, Thor P, Potasz- Kulikowska K, Moskala M. The effect of subthalamic deep brain stimulation on gastric motility in Parkinson's disease. *Parkinsonism Relat Disord.* 2016 May;26:35-40. doi: 10.1016/j.parkreldis.2016.02.010. Epub 2016 Feb 15. PMID: 26952698.
- 42: Zoccali C, Skoch J, Patel AS, Walter CM, Maykowski P, Baaj AA. Residual neurological function after sacral root resection during en-bloc sacrectomy: a systematic review. *Eur Spine J.* 2016 Dec;25(12):3925-3931. doi: 10.1007/s00586-016-4450-3. Epub 2016 Feb 25. PMID: 26914097.
- 43: Mehrotra A, Jamdar J, Verma A, Das KK, Bhaisora KS, Sardhara JC, Gosal JS, Jaiswal AK, Sahu RN, Srivastava AK, Behari S. Rectal Manometric Findings and Associated Clinical Changes in Myelopathy from Extradural Spine Pathology. *World Neurosurg.* 2016 Jun;90:45-50. doi: 10.1016/j.wneu.2016.02.046. Epub 2016 Feb 18. PMID: 26898491.
- 44: Shi R, Wei W, Jiang P. Laparoscopic Nerve-Sparing Radical Hysterectomy for Cervical Carcinoma: Emphasis on Nerve Content in Removed Cardinal Ligaments. *Int J Gynecol Cancer.* 2016 Jan;26(1):192-8. doi: 10.1097/IGC.0000000000000577. PMID: 26569055.
- 45: Hato A, Ikegaki J. [Successful Subarachnoid Phenol Block Therapy in a Patient with Pelvic Tumor-related Rectal Tenesmus]. *Masui.* 2015 Mar;64(3):325-7. Japanese. PMID: 26121796.
- 46: Xu L, Wu Z, Qu L, Burchell S. Endovascular occlusion of primary major pelvic arteriovenous fistula using patent ductus arteriosus occluder. *Perfusion.* 2016 Mar;31(2):172-5. doi: 10.1177/0267659115585136. Epub 2015 Apr 27. PMID: 25918040.

- 47: Rasmussen MM, Krogh K, Clemmensen D, Tankisi H, Fuglsang-Frederiksen A, Rawashdeh Y, Bluhme H, Christensen P. The artificial somato-autonomic reflex arch does not improve bowel function in subjects with spinal cord injury. *Spinal Cord*. 2015 Sep;53(9):705-10. doi: 10.1038/sc.2015.75. Epub 2015 Apr 28. PMID: 25917948.
- 48: Someya S, Nagao M, Shibata C, Tanaka N, Sasaki H, Kikuchi D, Miyachi T, Naitoh T, Unno M. Intracolonic Administration of the TRPA1 Agonist Allyl Isothiocyanate Stimulates Colonic Motility and Defecation in Conscious Dogs. *J Gastrointest Surg*. 2015 Jul;19(7):1342-9. doi: 10.1007/s11605-015-2813-4. Epub 2015 Apr 9. PMID: 25855335; PMCID: PMC4471319.
- 49: Shao X, Yu YB, Zhang L, Xu XL, Xu J, Liu J, Liu HJ, Yang WQ. [Complications of selective posterior rhizotomy for lower limb spasticity of cerebral palsy]. *Beijing Da Xue Xue Bao Yi Xue Ban*. 2015 Feb 18;47(1):160-4. Chinese. PMID: 25686349.
- 50: Kieninger M, Sinner B, Graf B, Grassold A, Bele S, Seemann M, Künzig H, Zech N. Standardized application of laxatives and physical measures in neurosurgical intensive care patients improves defecation pattern but is not associated with lower intracranial pressure. *Crit Care Res Pract*. 2014;2014:367251. doi: 10.1155/2014/367251. Epub 2014 Dec 31. PMID: 25628896; PMCID: PMC4297633.
- 51: Rasmussen MM, Kutzenberger J, Krogh K, Zepke F, Bodin C, Domurath B, Christensen P. Sacral anterior root stimulation improves bowel function in subjects with spinal cord injury. *Spinal Cord*. 2015 Apr;53(4):297-301. doi: 10.1038/sc.2015.2. Epub 2015 Jan 20. PMID: 25600307.
- 52: Korse NS, Elzevier H, Vleggeert-Lankamp C. In response to "Cauda equina syndrome: evaluation of clinical outcome" more insights on sexual and defecational recovery in cauda equina syndrome. *Eur Rev Med Pharmacol Sci*. 2014;18(23):3547-8. PMID: 25535120.
- 53: De la Garza-Ramos R, Bydon M, Abt NB, Sciubba DM, Wolinsky JP, Bydon A, Gokaslan ZL, Rabin B, Witham TF. The impact of obesity on short- and long-term outcomes after lumbar fusion. *Spine (Phila Pa 1976)*. 2015 Jan 1;40(1):56-61. doi: 10.1097/BRS.0000000000000655. PMID: 25526589.
- 54: Qi X, Lv L, Han K, Xu Z, Mei Q, Chen H, Huang C, Bai R, Hou L, Lu Y. Analysis of the embolization spinal dural arteriovenous fistula and surgical treatments on 52 cases of the patients. *Int J Clin Exp Med*. 2014 Sep 15;7(9):3062-71. PMID: 25356182; PMCID: PMC4211832.
- 55: Tamburrelli FC, Genitiempo M, Boichichio M, Donisi L, Ratto C. Cauda equina syndrome: evaluation of the clinical outcome. *Eur Rev Med Pharmacol Sci*. 2014;18(7):1098-105. PMID: 24763893.
- 56: Pérez-López FR, Hita-Contreras F. Management of pudendal neuralgia. *Climacteric*. 2014 Dec;17(6):654-6. doi: 10.3109/13697137.2014.912263. Epub 2014 Jul 4. PMID: 24716710.
- 57: Bhattasali O, Chen LN, Woo J, Park JW, Kim JS, Moures R, Yung T, Lei S, Collins BT, Kowalczyk K, Suy S, Dritschilo A, Lynch JH, Collins SP. Patient- reported outcomes following stereotactic body radiation therapy for clinically localized prostate cancer. *Radiat Oncol*. 2014 Feb 11;9:52. doi: 10.1186/1748-717X-9-52. PMID: 24512837; PMCID: PMC3931491.
- 58: Quinn MJ. Autonomic denervation and Western diseases. *Am J Med*. 2014 Jan;127(1):3-4. doi: 10.1016/j.amjmed.2013.07.031. Epub 2013 Nov 14. PMID: 24239442.
- 59: Zhang HQ, Liu J, Wang JS, Zhi XL, Zhang P, Bian LS, He C, Ye M, Wang ZC, Li M, Ling F. [Feasibility and efficiency of embolization of spinal dural arteriovenous fistula]. *Zhonghua Wai Ke Za Zhi*. 2013

Mar;51(3):216-20. Chinese. PMID: 23859321.

60: Yazdani SO, Hafizi M, Zali AR, Atashi A, Ashrafi F, Seddighi AS, Soleimani M. Safety and possible outcome assessment of autologous Schwann cell and bone marrow mesenchymal stromal cell co-transplantation for treatment of patients with chronic spinal cord injury. *Cytotherapy*. 2013 Jul;15(7):782-91. doi: 10.1016/j.jcyt.2013.03.012. PMID: 23731761.

61: Cosma S, Menato G, Ceccaroni M, Marchino GL, Petruzzelli P, Volpi E, Benedetto C. Laparoscopic sacropexy and obstructed defecation syndrome: an anatomoclinical study. *Int Urogynecol J*. 2013 Oct;24(10):1623-30. doi: 10.1007/s00192-013-2077-z. Epub 2013 Mar 29. PMID: 23538995.

62: Suda K, Setoyama H, Nanno M, Matsumoto S, Kawai M. Involvement of parasympathetic pelvic efferent pathway in psychological stress-induced defecation. *World J Gastroenterol*. 2013 Feb 28;19(8):1200-9. doi: 10.3748/wjg.v19.i8.1200. PMID: 23482518; PMCID: PMC3587476.

63: Korse NS, Jacobs WC, Elzevier HW, Vleggeert-Lankamp CL. Complaints of micturition, defecation and sexual function in cauda equina syndrome due to lumbar disk herniation: a systematic review. *Eur Spine J*. 2013 May;22(5):1019-29. doi: 10.1007/s00586-012-2601-8. Epub 2012 Dec 13. PMID: 23238848; PMCID: PMC3657037.

64: Lee JH, Kwon OD, Ahn SH, Choi KH, Park JH, Lee S, Choi BK, Jung KY. Reduction of gastrointestinal motility by unilateral thyroparathyroidectomy plus subdiaphragmatic vagotomy in rats. *World J Gastroenterol*. 2012 Sep 7;18(33):4570-7. doi: 10.3748/wjg.v18.i33.4570. PMID: 22969231; PMCID: PMC3435783.

65: Malloy JN, Paulose JK, Li Y, Cassone VM. Circadian rhythms of gastrointestinal function are regulated by both central and peripheral oscillators. *Am J Physiol Gastrointest Liver Physiol*. 2012 Aug 15;303(4):G461-73. doi: 10.1152/ajpgi.00369.2011. Epub 2012 Jun 21. PMID: 22723262; PMCID: PMC3423141.

66: Mavrogianni P, Fallidas E, Nicolaidou E, Villias K, Stefanaki I, Katsambas A, Lira T, Apostolopoulos P, Androne I, Rouvas G, Tsibouris P, Alexandrakis G. Therapeutic combination of radiofrequency surgical dissection and oral acitretin in the management of perianal Buschke-Lowenstein tumour: a case report. *Int J STD AIDS*. 2012 May;23(5):362-4. doi: 10.1258/ijsa.2011.011301. PMID: 22648893.

67: Huang HM, Lee WY, Chen DC. Disconnected subduroperitoneal shunt catheter induces silent bowel perforation: An unusual complication. *Int J Surg Case Rep*. 2011;2(5):76-8. doi: 10.1016/j.ijscr.2011.01.009. Epub 2011 Mar 2. PMID: 22096688; PMCID: PMC3199636.

68: Martens FM, den Hollander PP, Snoek GJ, Koldewijn EL, van Kerrebroeck PE, Heesakkers JP. Quality of life in complete spinal cord injury patients with a Brindley bladder stimulator compared to a matched control group. *Neurourol Urodyn*. 2011 Apr;30(4):551-5. doi: 10.1002/nau.21012. Epub 2011 Feb 15. PMID: 21328472.

69: Tyagi A, Seelan S, Sethi AK, Mohta M. Role of thoracic epidural block in improving post-operative outcome for septic patients: a preliminary report. *Eur J Anaesthesiol*. 2011 Apr;28(4):291-7. doi: 10.1097/EJA.0b013e3283416691. PMID: 21119517.

70: Kelly EH, Altiok H, Gorzkowski JA, Abrams JR, Vogel LC. How does participation of youth with spina bifida vary by age? *Clin Orthop Relat Res*. 2011 May;469(5):1236-45. doi: 10.1007/s11999-010-1693-x. PMID: 21116755; PMCID: PMC3069299.

71: Sun F, Chen M, Li W, Xiao C. Effect of the artificial somato-autonomic neuroanastomosis on

defecation after spinal cord injury and its underlying mechanisms. *J Huazhong Univ Sci Technolog Med Sci*. 2010 Aug;30(4):490-3. doi: 10.1007/s11596-010-0455-z. Epub 2010 Aug 17. PMID: 20714876.

72: Hayashi K, Shibata C, Nagao M, Sato M, Kakyo M, Kinouchi M, Saijo F, Miura K, Ogawa H, Sasaki I. Intracolonic capsaicin stimulates colonic motility and defecation in conscious dogs. *Surgery*. 2010 Jun;147(6):789-97. doi: 10.1016/j.surg.2009.11.019. Epub 2010 Jan 15. PMID: 20079916.

73: Tabe Y, Mochiki E, Yanai M, Toyomasu Y, Ando H, Ohno T, Yamauchi H, Fukasawa T, Yamaguchi S, Tsutsumi S, Asao T, Kuwano H. Characterization of special propulsive contractions during rectal evacuation in a canine model of intestinal extrinsic denervation and rectal transection. *Int J Colorectal Dis*. 2010 Jan;25(1):53-61. doi: 10.1007/s00384-009-0799-7. Epub 2009 Oct 13. PMID: 19823854.

74: Luo CH, Zang CB, Zhang GK, Liu HY. Haemorrhoidectomy by vessel sealing system under local anaesthesia in an outpatient setting: preliminary experience. *Colorectal Dis*. 2010 Mar;12(3):236-40. doi: 10.1111/j.1463-1318.2009.01833.x. Epub 2010 Mar 11. PMID: 19508547.

75: Miletic D, Poljak I, Eskinja N, Valkovic P, Sestan B, Troselj-Vukic B. Giant anterior sacral meningocele presenting as bacterial meningitis in a previously healthy adult. *Orthopedics*. 2008 Feb;31(2):182. doi: 10.3928/01477447-20080201-21. PMID: 19292186.

76: Quinn M. "Autoimmune" conditions and autonomic denervation. *Am J Med*. 2008 Aug;121(8):e13. doi: 10.1016/j.amjmed.2008.03.009. PMID: 18691462.

77: Bao XY, Ding XH, Lu YC. Sparganosis presenting as radiculalgia at the conus medullaris. *Clin Neurol Neurosurg*. 2008 Sep;110(8):843-6. doi: 10.1016/j.clineuro.2008.05.020. Epub 2008 Jul 9. PMID: 18617320.

78: Silva MN, Colli BO, Coimbra NC, Coutinho Netto J. Evaluation of the neuroprotective effect of ketoprofen on rats submitted to permanent focal brain ischemia. *Arq Neuropsiquiatr*. 2007 Dec;65(4A):978-84. doi: 10.1590/s0004-282x2007000600011. PMID: 18094858.

79: Vitton V, Abysique A, Gaigé S, Leroi AM, Bouvier M. Colonosphincteric electromyographic responses to sacral root stimulation: evidence for a somatosympathetic reflex. *Neurogastroenterol Motil*. 2008 Apr;20(4):407-16. doi: 10.1111/j.1365-2982.2007.01022.x. Epub 2007 Nov 21. PMID: 18034793.

80: Küper MA, Meile T, Zittel TT, Konigsrainer A, Glatzle J. Effects of neurotrophin 3 on gastric and colonic motility in awake rats. *Neurogastroenterol Motil*. 2007 Dec;19(12):983-9. doi: 10.1111/j.1365-2982.2007.00985.x. Epub 2007 Aug 28. Erratum in: *Neurogastroenterol Motil*. 2008 Jul;20(7):851. Kueper, MA [corrected to Küper, MA]. PMID: 17973633.

81: Kim SH, Kim SH, Kim SW, Jang SH. Sacral nerve and spinal cord stimulation for intractable neuropathic pain caused by spinal cord infarction. *Neuromodulation*. 2007 Oct;10(4):369-72. doi: 10.1111/j.1525-1403.2007.00125.x. PMID: 22150897.

82: Schmittner MD, Vajkoczy SL, Horn P, Bertsch T, Quintel M, Vajkoczy P, Muench E. Effects of fentanyl and S(+)-ketamine on cerebral hemodynamics, gastrointestinal motility, and need of vasopressors in patients with intracranial pathologies: a pilot study. *J Neurosurg Anesthesiol*. 2007 Oct;19(4):257-62. doi: 10.1097/ANA.0b013e31811f3feb. PMID: 17893578.

83: Imbelloni LE, Vieira EM, Gouveia MA, Netinho JG, Spirandelli LD, Cordeiro JA. Pudendal block with bupivacaine for postoperative pain relief. *Dis Colon Rectum*. 2007 Oct;50(10):1656-61. doi: 10.1007/s10350-007-0216-7. PMID: 17701375.

- 84: Vignes JR, Bauchet L, Ohanna F. Dorsal rhizotomy combined with anterior sacral root stimulation for neurogenic bladder. *Acta Neurochir Suppl.* 2007;97(Pt 1):323-31. doi: 10.1007/978-3-211-33079-1_43. PMID: 17691393.
- 85: Matsuda M, Watanabe K, Saito A, Matsumura K, Ichikawa M. Circumstances, activities, and events precipitating aneurysmal subarachnoid hemorrhage. *J Stroke Cerebrovasc Dis.* 2007 Jan-Feb;16(1):25-9. doi: 10.1016/j.jstrokecerebrovasdis.2006.09.001. PMID: 17689388.
- 86: Yang CC, Chen HC, Chen CM. Endoscopic resection of a presacral schwannoma. Case report. *J Neurosurg Spine.* 2007 Jul;7(1):86-9. doi: 10.3171/SPI-07/07/086. PMID: 17633494.
- 87: Possover M, Baekelandt J, Kaufmann A, Chiantera V. Laparoscopic endopelvic sacral implantation of a Brindley controller for recovery of bladder function in a paralyzed patient. *Spinal Cord.* 2008 Jan;46(1):70-3. doi: 10.1038/sj.sc.3102065. Epub 2007 Apr 10. PMID: 17420771.
- 88: Kojima Y, Fujii H, Katsui R, Nakajima Y, Takaki M. Enhancement of the intrinsic defecation reflex by mosapride, a 5-HT4 agonist, in chronically lumbosacral denervated guinea pigs. *J Smooth Muscle Res.* 2006 Oct;42(5):139-47. doi: 10.1540/jsmr.42.139. PMID: 17159330.
- 89: Choi SW, Song SH. Intrapelvic lipoblastoma with massive spinal canal invasion. *Childs Nerv Syst.* 2007 May;23(5):581-5. doi: 10.1007/s00381-006-0242-0. Epub 2006 Dec 2. PMID: 17143644.
- 90: Torres AC, Diccini S. Constipação intestinal em pacientes com tumores intracranianos [Intestinal constipation in patients with intracranial tumors]. *Rev Lat Am Enfermagem.* 2006 May-Jun;14(3):397-404. Portuguese. doi: 10.1590/s0104-11692006000300014. PMID: 16926997.
- 91: Molina SM, Suárez MM, Rivarola MA. Behavioral and hypothalamic-pituitary- adrenal responses to anterodorsal thalamic nuclei lesions and variable chronic stress in maternally separated rats. *Int J Dev Neurosci.* 2006 Aug;24(5):319-26. doi: 10.1016/j.ijdevneu.2006.05.001. Epub 2006 Jun 23. PMID: 16806788.
- 92: Naja Z, El-Rajab M, Al-Tannir M, Ziade F, Zbibo R, Oweidat M, Lönnqvist PA. Nerve stimulator guided pudendal nerve block versus general anesthesia for hemorrhoidectomy. *Can J Anaesth.* 2006 Jun;53(6):579-85. doi: 10.1007/BF03021848. PMID: 16738292.
- 93: Chan CL, Ponsford S, Scott SM, Swash M, Lunniss PJ. Contribution of the pudendal nerve to sensation of the distal rectum. *Br J Surg.* 2005 Jul;92(7):859-65. doi: 10.1002/bjs.4877. PMID: 15898127.
- 94: Jarrett ME, Matzel KE, Christiansen J, Baeten CG, Rosen H, Bittorf B, Stösser M, Madoff R, Kamm MA. Sacral nerve stimulation for faecal incontinence in patients with previous partial spinal injury including disc prolapse. *Br J Surg.* 2005 Jun;92(6):734-9. doi: 10.1002/bjs.4859. PMID: 15838899.
- 95: Koda K, Saito N, Seike K, Shimizu K, Kosugi C, Miyazaki M. Denervation of the neorectum as a potential cause of defecatory disorder following low anterior resection for rectal cancer. *Dis Colon Rectum.* 2005 Feb;48(2):210-7. doi: 10.1007/s10350-004-0814-6. PMID: 15711859.
- 96: Chen HS. Rectal penetration by a disconnected ventriculoperitoneal shunt tube: an unusual complication. *Chang Gung Med J.* 2000 Mar;23(3):180-4. PMID: 15641223.
- 97: Khan AK, Deb S, Ray DK, Nag BK. The coproperitoneal shunt in case of symptomatic anterior sacral meningocele. *Neurol India.* 2004 Sep;52(3):403-4. PMID: 15472452.

- 98: Kurita H, Nitta Y, Nakamura M, Shiokawa Y. Defecation-induced vertigo. *Arch Neurol*. 2004 Jul;61(7):1137-8. doi: 10.1001/archneur.61.7.1137. PMID: 15262751.
- 99: Nagano M, Ishimizu Y, Saitoh S, Okada H, Fukuda H. The defecation reflex in rats: fundamental properties and the reflex center. *Auton Neurosci*. 2004 Mar 31;111(1):48-56. doi: 10.1016/j.autneu.2004.02.002. PMID: 15109938.
- 100: Maruyama S, Okabe S, Endo M, Sato K, Iwai T. The role of the rectal branches of pelvic plexus in defecation and colonic motility in a canine model. *J Med Dent Sci*. 2003 Dec;50(4):275-84. PMID: 15074355.
- 101: Fowler CJ. The perspective of a neurologist on treatment-related research in fecal and urinary incontinence. *Gastroenterology*. 2004 Jan;126(1 Suppl 1):S172-4. doi: 10.1053/j.gastro.2003.10.006. PMID: 14978657.
- 102: Shafik A, Shafik AA, El-Sibai O, Ahmed I. Role of sympathetic innervation in the defecation mechanism: a novel concept of its function. *J Spinal Cord Med*. 2003 Summer;26(2):150-4. doi: 10.1080/10790268.2003.11753676. PMID: 12828293.
- 103: Brunat G, Pouzeratte Y, Mann C, Didelot JM, Rochon JC, Eledjam JJ. Posterior perineal block with ropivacaine 0.75% for pain control during and after hemorrhoidectomy. *Reg Anesth Pain Med*. 2003 May-Jun;28(3):228-32. doi: 10.1053/rapm.2003.50132. PMID: 12772141.
- 104: Kayaba H, Hebiguchi T, Itoh Y, Yoshino H, Mizuno M, Morii M, Adachi T, Chihara J, Kato T. Evaluation of anorectal function in patients with tethered cord syndrome: saline enema test and fecoflowmetry. *J Neurosurg*. 2003 Apr;98(3 Suppl):251-7. doi: 10.3171/spi.2003.98.3.0251. PMID: 12691380.
- 105: Häidkind R, Eller M, Harro M, Kask A, Rinken A, Orelund L, Harro J. Effects of partial locus coeruleus denervation and chronic mild stress on behaviour and monoamine neurochemistry in the rat. *Eur Neuropsychopharmacol*. 2003 Jan;13(1):19-28. doi: 10.1016/s0924-977x(02)00076-7. PMID: 12480118.
- 106: Vignes JR, Liguoro D, Sesay M, Barat M, Guerin J. Dorsal rhizotomy with anterior sacral root stimulation for neurogenic bladder. *Stereotact Funct Neurosurg*. 2001;76(3-4):243-5. doi: 10.1159/000066725. PMID: 12378103.
- 107: Shafik A, El-Sibai O, Ahmed I. Parasympathetic extrinsic reflex: role in defecation mechanism. *World J Surg*. 2002 Jun;26(6):737-40; discussion 741. doi: 10.1007/s00268-002-6285-9. Epub 2002 Mar 26. PMID: 12053229.
- 108: Martínez G, Ropero C, Funes A, Flores E, Blotta C, Landa AI, Gargiulo PA. Effects of selective NMDA and non-NMDA blockade in the nucleus accumbens on the plus-maze test. *Physiol Behav*. 2002 Jun 1;76(2):219-24. doi: 10.1016/s0031-9384(02)00704-7. PMID: 12044594.
- 109: Dolezel J, Cejpek P, Miklánek D. Sakrální deaferentace a neurostimulace predních korenů mísních v léčbě neuropatického mocového měchýře u pacientů s kompletní transverzální mísní lézí-první klinické zkušenosti [Sacral deafferentation and neurostimulation of anterior spinal roots in the treatment of neurogenic bladder in patients with complete transverse spinal lesions- initial clinical experience]. *Rozhl Chir*. 2002 Apr;81(4):203-9. Czech. PMID: 12030054.
- 110: Okano S, Nagaya H, Ikeura Y, Natsugari H, Inatomi N. Effects of TAK-637, a novel neurokinin-1 receptor antagonist, on colonic function in vivo. *J Pharmacol Exp Ther*. 2001 Aug;298(2):559-64. PMID: 11507435.

11454917.

- 111: Harro J, Tõnissaar M, Eller M, Kask A, Oreland L. Chronic variable stress and partial 5-HT denervation by parachloroamphetamine treatment in the rat: effects on behavior and monoamine neurochemistry. *Brain Res.* 2001 Apr 27;899(1-2):227-39. doi: 10.1016/s0006-8993(01)02256-9. PMID: 11311884.
- 112: Nakai S, Yoshizawa H, Kobayashi S, Maeda K, Okumura Y. Anorectal and bladder function after sacrifice of the sacral nerves. *Spine (Phila Pa 1976).* 2000 Sep 1;25(17):2234-9. doi: 10.1097/00007632-200009010-00015. PMID: 10973408.
- 113: van der Aa HE, Alleman E, Nene A, Snoek G. Sacral anterior root stimulation for bladder control: clinical results. *Arch Physiol Biochem.* 1999 Jul;107(3):248-56. doi: 10.1076/apab.107.3.248.4330. PMID: 10650355.
- 114: Harro J, Häidkind R, Harro M, Modiri AR, Gillberg PG, Pähkla R, Matto V, Oreland L. Chronic mild unpredictable stress after noradrenergic denervation: attenuation of behavioural and biochemical effects of DSP-4 treatment. *Eur Neuropsychopharmacol.* 1999 Dec;10(1):5-16. doi: 10.1016/s0924-977x(99)00043-7. PMID: 10647090.
- 115: Shafik A. Origin of rectal electric waves: further study. *Dis Colon Rectum.* 1999 Dec;42(12):1626-31. doi: 10.1007/BF02236219. PMID: 10613485.
- 116: Lang IM, Sarna SK, Shaker R. Gastrointestinal motor and myoelectric correlates of motion sickness. *Am J Physiol.* 1999 Sep;277(3):G642-52. doi: 10.1152/ajpgi.1999.277.3.G642. PMID: 10484390.
- 117: Shafik A. Magnetic stimulation: a novel method for inducing evacuation of the neuropathic rectum and urinary bladder in a canine model. *Urology.* 1999 Aug;54(2):368-72. doi: 10.1016/s0090-4295(99)00083-7. PMID: 10443742.
- 118: Egon G, Barat M, Colombel P, Visentin C, Isambert JL, Guerin J. Implantation of anterior sacral root stimulators combined with posterior sacral rhizotomy in spinal injury patients. *World J Urol.* 1998;16(5):342-9. doi: 10.1007/s003450050078. PMID: 9833314.
- 119: Avanzi V, Castilho VM, de Andrade TG, Brandão ML. Regulation of contextual conditioning by the median raphe nucleus. *Brain Res.* 1998 Apr 20;790(1-2):178-84. doi: 10.1016/s0006-8993(97)01538-2. PMID: 9593883.
- 120: Fujiwara S, Nakasato N, Nagamine Y, Yoshimoto T, Suematsu K, Takeda R, Takahashi S, Oda E, Ohashi Y. [Reliability and factorial structure of a rating scale for persistent vegetative state]. *No To Shinkei.* 1997 Dec;49(12):1139-45. Japanese. PMID: 9453044.
- 121: Ishikawa M, Mibu R, Iwamoto T, Konomi H, Oohata Y, Tanaka M. Change in colonic motility after extrinsic autonomic denervation in dogs. *Dig Dis Sci.* 1997 Sep;42(9):1950-6. doi: 10.1023/a:1018827613809. PMID: 9331160.
- 122: Van Kerrebroeck EV, van der Aa HE, Bosch JL, Koldewijn EL, Vorsteveld JH, Debruyne FM. Sacral rhizotomies and electrical bladder stimulation in spinal cord injury. Part I: Clinical and urodynamic analysis. Dutch Study Group on Sacral Anterior Root Stimulation. *Eur Urol.* 1997;31(3):263-71. doi: 10.1159/000474466. PMID: 9129914.
- 123: Longshore RC, O'Brien DP. Medical care of the neurosurgical patient. *Semin Vet Med Surg Small*

Anim. 1996 Nov;11(4):208-17. doi: 10.1016/s1096-2867(96)80014-4. PMID: 9020574.

124: Brown SR, Gourlay R, Battersby RD. Sigmoidoscopic neurosurgery? Treatment of an unusual complication of ventriculoperitoneal shunting. *Br J Neurosurg*. 1996 Aug;10(4):419-20. doi: 10.1080/02688699647401. PMID: 8864513.

125: Van Kerrebroeck PE, Koldewijn EL, Rosier PF, Wijkstra H, Debruyne FM. Results of the treatment of neurogenic bladder dysfunction in spinal cord injury by sacral posterior root rhizotomy and anterior sacral root stimulation. *J Urol*. 1996 Apr;155(4):1378-81. doi: 10.1097/00005392-199604000-00069. PMID: 8632580.

126: Pollak L, Schiffer J, Rochkind S, Rothman S. Giant thoracolumbosacral teratoma in an infant. *Pediatr Surg Int*. 1996 Mar;11(2-3):206-7. doi: 10.1007/BF00183772. Epub 2013 Sep 21. PMID: 24057563.

127: Miyake S, Kamikawa S, Kojima N, Yamamoto K, Kobayashi N, Yamazato M, Higashimoto Y, Tsugawa C, Kanegawa K, Tamaki N. [Currarino triad : a case report]. *No Shinkei Geka*. 1996 Feb;24(2):189-93. Japanese. PMID: 8849481.

128: Rao GN, Drew PJ, Lee PW, Monson JR, Duthie GS. Anterior resection syndrome is secondary to sympathetic denervation. *Int J Colorectal Dis*. 1996;11(5):250-8. doi: 10.1007/s003840050056. PMID: 8951517.

129: Trofimov VM, Kurygin AA. Postvagotomicheskaya diareya [Postvagotomy diarrhea]. *Vestn Khir Im I I Grek*. 1995;154(2):49-52. Russian. PMID: 8540188.

130: Møiniche S, Dahl JB, Rosenberg J, Kehlet H. Colonic resection with early discharge after combined subarachnoid-epidural analgesia, preoperative glucocorticoids, and early postoperative mobilization and feeding in a pulmonary high-risk patient. *Reg Anesth*. 1994 Sep-Oct;19(5):352-6. PMID: 7848936.

131: Fujimura Y, Maruiwa H, Takahata T, Toyama Y. Neurological evaluation after radical resection of sacral neoplasms. *Paraplegia*. 1994 Jun;32(6):396-406. doi: 10.1038/sc.1994.66. PMID: 8090548.

132: Holmes GM, Sachs BD. Physiology and mechanics of rat levator ani muscle: evidence for a sexual function. *Physiol Behav*. 1994 Feb;55(2):255-66. doi: 10.1016/0031-9384(94)90131-7. Erratum in: *Physiol Behav* 1994 Jul;56(1):209. PMID: 8153163.

133: García-Caballero M, Vara-Thorbeck C. The evolution of postoperative ileus after laparoscopic cholecystectomy. A comparative study with conventional cholecystectomy and sympathetic blockade treatment. *Surg Endosc*. 1993 Sep-Oct;7(5):416-9. doi: 10.1007/BF00311733. PMID: 8211620.

134: Ger GC, Wexner SD, Jorge JM, Lee E, Amaranath LA, Heymen S, Nogueras JJ, Jagelman DG. Evaluation and treatment of chronic intractable rectal pain—a frustrating endeavor. *Dis Colon Rectum*. 1993 Feb;36(2):139-45. doi: 10.1007/BF02051169. PMID: 8425417.

135: Miller AD, Nonaka S. Mechanisms of vomiting induced by serotonin-3 receptor agonists in the cat: effect of vagotomy, splanchnicectomy or area postrema lesion. *J Pharmacol Exp Ther*. 1992 Feb;260(2):509-17. PMID: 1738101.

136: Gregory TM, Fleming DE. Changes in open-field behavior of rats following spinal nerve root sectioning. *J Manipulative Physiol Ther*. 1991 Sep;14(7):416-21. PMID: 1940674.

137: Herdmann J, Bielefeldt K, Enck P. Quantification of motor pathways to the pelvic floor in humans.

- Am J Physiol. 1991 May;260(5 Pt 1):G720-3. doi: 10.1152/ajpgi.1991.260.5.G720. PMID: 2035641.
- 138: King GL. Emesis and defecations induced by the 5-hydroxytryptamine (5-HT₃) receptor antagonist zacopride in the ferret. *J Pharmacol Exp Ther*. 1990 Jun;253(3):1034-41. PMID: 2162943.
- 139: Kanai M, Egashira M, Murata T, Iwai Y, Seki M. [Spontaneous spinal epidural hematoma diagnosed by MRI: a case report]. *No Shinkei Geka*. 1989 Nov;17(11):1073-6. Japanese. PMID: 2594157.
- 140: Moriuchi S, Shimizu K, Yamada M, Sakurai M, Mogami H. [A case of repeated hematomyelia caused by cavernous hemangioma in the spinal cord]. *No Shinkei Geka*. 1989 May;17(5):477-9. Japanese. PMID: 2779733.
- 141: Catchpole BN. Motor pattern of the left colon before and after surgery for rectal cancer: possible implications in other disorders. *Gut*. 1988 May;29(5):624-30. doi: 10.1136/gut.29.5.624. PMID: 3396950; PMCID: PMC1433669.
- 142: Bristow A, Foster JM. Lumbar sympathectomy in the management of rectal tenesmoid pain. *Ann R Coll Surg Engl*. 1988 Jan;70(1):38-9. PMID: 3408137; PMCID: PMC2498713.
- 143: Fukuda H, Fukai K. Location of the reflex centre for straining elicited by activation of pelvic afferent fibres of decerebrate dogs. *Brain Res*. 1986 Aug 20;380(2):287-96. doi: 10.1016/0006-8993(86)90224-6. PMID: 3756481.
- 144: Itoh S, Katsuura G. Behavioral effect of cholecystokinin octapeptide in vagotomized rats. *Can J Physiol Pharmacol*. 1986 Jun;64(6):745-7. doi: 10.1139/y86-125. PMID: 3756626.
- 145: Markowska A, Lukaszewska I. Open-field behavior in rats with frontomedial cortical, neostriatal or hippocampal lesions. *Acta Neurobiol Exp (Wars)*. 1981;41(2):197-210. PMID: 7025582.
- 146: Datta PC, King MG. alpha-MSH, MIF-I and melatonin: effects on novelty- induced defecation, plasma 11-OHCS and central catecholamines in rats. *Peptides*. 1981;2 Suppl 1:143-54. doi: 10.1016/0196-9781(81)90069-3. PMID: 6115365.
- 147: Stanzani S, Russo A. Analisi comportamentale in ratti con lesioni nel talamo medio-dorsale, nell'ipotalamo medio-basale e nell'amigdala [Behavioral effects of medial-dorsal thalamic, mediobasal hypothalamic and amygdaloid lesions in the rat]. *Boll Soc Ital Biol Sper*. 1980 Sep 15;56(17):1715-20. Italian. PMID: 7006638.
- 148: Datta PC, King MG. alpha-MSH effects on novelty-induced defecation, plasma 11-OHCS and whole brain catecholamines in hypophysectomized rats. *Pharmacol Biochem Behav*. 1980 May;12(5):773-9. doi: 10.1016/0091-3057(80)90165-3. PMID: 7393972.
- 149: Jeste DV, Smith GP. Unilateral mesolimbocortical dopamine denervation decreases locomotion in the open field and after amphetamine. *Pharmacol Biochem Behav*. 1980 Mar;12(3):453-7. doi: 10.1016/0091-3057(80)90053-2. PMID: 7393946.
- 150: Datta PC, King MG. Effects of alpha-MSH and melatonin on passive avoidance and on PA-induced defecation and plasma 11-OHCS in hypophysectomized rats. *Peptides*. 1980 Summer;1(2):147-53. doi: 10.1016/0196-9781(80)90079-0. PMID: 7243613.
- 151: Neya T, Takaki M, Nakayama S. Effects of vagotomy on feeding and defecation in guinea pigs. *Acta Med Okayama*. 1979 Oct;33(5):371-7. PMID: 160184.

- 152: Nakayama S. Activity of the spinal defecation center in the guinea pig. *Nihon Heikatsukin Gakkai Zasshi*. 1978 Feb;14 Suppl:33. PMID: 723076.
- 153: Parks AG, Swash M, Urich H. Sphincter denervation in anorectal incontinence and rectal prolapse. *Gut*. 1977 Aug;18(8):656-65. doi: 10.1136/gut.18.8.656. PMID: 892613; PMCID: PMC1411705.
- 154: Tansy MF, Martin JS, Innes DL, Kendall FM, Melamed S, Moss JN. GI pharmacology of polyethyleneimine II: motor activity in anesthetized dogs. *J Pharm Sci*. 1977 Jun;66(6):902-4. doi: 10.1002/jps.2600660652. PMID: 17723.
- 155: Szalachi E, Lewicki K, Sawicki S, Dembowski P. Zaburzenia opróżniania żołądka po przecięciu nerwów błędnych w leczeniu choroby wrzodowej dwunastnicy [Disorders of stomach emptying following vagotomy performed for treating duodenal ulcer]. *Wiad Lek*. 1976 Nov 1;29(21):1899-903. Polish. PMID: 997514.
- 156: Gunterberg B, Kewenter J, Petersén I, Stener B. Anorectal function after major resections of the sacrum with bilateral or unilateral sacrifice of sacral nerves. *Br J Surg*. 1976 Jul;63(7):546-54. doi: 10.1002/bjs.1800630713. PMID: 953450.
- 157: Yoneda S, Matsuda M, Handa J, Handa H. Continuous measurement of intracranial pressure with SFT: clinical experiences. *Surg Neurol*. 1975 Sep;4(3):289-95. PMID: 1179247.
- 158: Kennedy T. The vagus and the consequences of vagotomy. *Med Clin North Am*. 1974 Nov;58(6):1231-46. doi: 10.1016/s0025-7125(16)32068-5. PMID: 4610292.
- 159: Eisenhammer S. Internal anal sphincterotomy plus free dilatation versus anal stretch with special criticism of the anal stretch procedure for hemorrhoids: The recommended modern approach to hemorrhoid treatment. *Dis Colon Rectum*. 1974 Jul-Aug;17(4):493-522. doi: 10.1007/BF02587027. PMID: 4852515.
- 160: Jordan PH Jr. Proceedings: Parietal cell vagotomy without drainage. Early evaluation of results in the treatment of duodenal ulcer. *Arch Surg*. 1974 Apr;108(4):434-41. doi: 10.1001/archsurg.1974.01350280040008. PMID: 4815919.
- 161: Browning GG, Buchan KA, Mackay C. The effect of vagotomy and drainage on the small bowel flora. *Gut*. 1974 Feb;15(2):139-42. doi: 10.1136/gut.15.2.139. PMID: 4820640; PMCID: PMC1412897.
- 162: Kennedy T, Johnston GW, Love AH, Connell AM, Spencer EF. Pyloroplasty versus gastrojejunostomy. Results of a double-blind, randomized, controlled trial. *Br J Surg*. 1973 Dec;60(12):949-53. doi: 10.1002/bjs.1800601209. PMID: 4587581.
- 163: Kennedy T, Connell AM, Love AH, MacRae KD, Spencer EF. Selective or truncal vagotomy? Five-year results of a double-blind, randomized, controlled trial. *Br J Surg*. 1973 Dec;60(12):944-8. doi: 10.1002/bjs.1800601208. PMID: 4587580.
- 164: Watanabe K. [The effect of the intrinsic mucosal reflex upon the motility of the internal anal sphincter (author's transl)]. *Nihon Heikatsukin Gakkai Zasshi*. 1973 Jun;9(2):99-108. Japanese. doi: 10.1540/jsmr1965.9.99. PMID: 4518573.
- 165: Vergnes M, Chaurand JP. Effets comportementaux de lésions de la partie postérieure de la substance grise périaqueducule [Behavioral effects of lesions of the posterior periaqueduct gray matter]. *C R Seances Soc Biol Fil*. 1973;167(2):351-6. French. PMID: 4607654.

- 166: Sieck MH, Gordon BL. Selective olfactory bulb lesions: reactivity changes and avoidance learning in rats. *Physiol Behav.* 1972 Oct;9(4):545-52. doi: 10.1016/0031-9384(72)90010-8. PMID: 4599676.
- 167: Lagache G, Tacquet A, Duthoit D, Dumont JC, Dumont A, Proye C. Résection subtotale du grêle après colectomie totale. Possibilités et limites des phénomènes d'adaptation spontanée de la vagotomie et des techniques actuelles de réanimation [Subtotal resection of the small intestine following total colectomy. Possibilities and limitations of spontaneous adaptation phenomena after vagotomy and present methods of resuscitation]. *Chirurgie.* 1972 May;98(7):445-54. French. PMID: 4628186.
- 168: Zawoiski EJ. The central activity of parasympathomimetics on gastric secretory function. *Exp Neurol.* 1972 Mar;34(3):355-71. doi: 10.1016/0014-4886(72)90034-9. PMID: 4553953.
- 169: Banke L, Malmström J, Heltberg J. The influence of metoclopramide (Primperan R) and neostigmine upon early postvagotomy motor disturbances. *Scand J Gastroenterol.* 1972;7(1):33-7. doi: 10.3109/00365527209180735. PMID: 5010505.
- 170: Muto T, Sato I, Matsumoto H, Hojo T, Enomoto K. [Methods of resection and postoperative complaints]. *Geka Chiryo.* 1971 Jun;24(6):640-8. Japanese. PMID: 5108994.
- 171: Peeters G, De Vos N, Houvenaghel A. Elimination of the Ferguson reflex by section of the pelvic nerves in the lactating goat. *J Endocrinol.* 1971 Jan;49(1):125-30. doi: 10.1677/joe.0.0490125. PMID: 5104448.
- 172: Kennedy T, Connell AM. Selective or truncal vagotomy? A double-blind randomised controlled trial. *Lancet.* 1969 May 3;1(7601):899-901. doi: 10.1016/s0140-6736(69)92541-0. PMID: 4180891.
- 173: Decsi L, Karmos-Várszegi M. Fear and escape reaction evoked by the intrahypothalamic injection of D-tubocurarine in unrestrained cats. *Acta Physiol Acad Sci Hung.* 1969;36(1):95-104. PMID: 4908057.
- 174: Villalobos JJ, Cárdenas S, Santoyo R. La vagotomía en el tratamiento de la úlcera duodenal. IV. Repercusiones fisiológicas de la vagotomía [Vagotomy in the treatment of a duodenal ulcer. IV. Physiological repercussions of vagotomy]. *Gac Med Mex.* 1968 Oct;98(10):1331-8. Spanish. PMID: 5729393.
- 175: Nelson PG. Bowel habit after gastric surgery. *Med J Aust.* 1967 Jun 24;1(25):1242-5. doi: 10.5694/j.1326-5377.1967.tb21894.x. PMID: 6027867.
- 176: Bruusgaard C. Umiddelbare postoperative komplikasjoner ved kirurgisk behandling av ulcussykdom [The immediate postoperative complications after surgical treatment of ulcer disease]. *Tidsskr Nor Laegeforen.* 1967 May 10;87(9):858-63. Norwegian. PMID: 5309985.
- 177: Wastell C, Ellis H. Faecal fat excretion and stool colour after vagotomy and pyloroplasty. *Br Med J.* 1966 May 14;1(5497):1194-7. doi: 10.1136/bmj.1.5497.1194. PMID: 5933827; PMCID: PMC1845055.
- 178: Tucker HJ, Sibley WA, Lapham LW. Cauda equina damage after thorium dioxide myelography. *Acta Radiol Diagn (Stockh).* 1966;5:1147-54. doi: 10.1177/02841851660050p259. PMID: 5955915.
- 179: Bárány F. Pressure variations in the rectum and ileum during experimentally induced urgency of defecation. *Acta Med Scand Suppl.* 1966;445:455-61. doi: 10.1111/j.0954-6820.1966.tb02401.x. PMID: 5220051.

180: HARANATH PS, AYESHABEGUM N, SITARAMAYYA GV. THE EFFECTS OF PROCAINE INJECTED INTO THE CEREBRAL VENTRICLES OF CONSCIOUS AND ANAESTHETIZED DOGS. *Br J Pharmacol Chemother*. 1965 Apr;24(2):339-47. doi: 10.1111/j.1476-5381.1965.tb01720.x. PMID: 14320848; PMCID: PMC1704114.

181: DUA S, MACLEAN PD. LOCALIZATION FOR PENILE ERECTION IN MEDIAL FRONTAL LOBE. *Am J Physiol*. 1964 Dec;207:1425-34. doi: 10.1152/ajplegacy.1964.207.6.1425. PMID: 14251956.

182: WILLOT JP. PROBL'EMES PRATIQUES DU TRAITEMENT D'UN PARAPL'EGIQUE R'ECENT DANS UN SERVICE NON SP'ECIALIS'E [PRACTICAL PROBLEMS IN THE TREATMENT OF A RECENT PARAPLEGIC IN A NONSPECIALIZED DEPARTMENT]. *Presse Med*. 1964 Oct 31;72:2715-6. French. PMID: 14226748.

183: BROOME A, SANDBLOM J. DEFAEKATIONSVANOR EFTER VAGOTOMI [DEFECATION CHANGES AFTER VAGOTOMY]. *Sven Lakartidn*. 1964 Sep 16;61:2739-43. Swedish. PMID: 14227779.

184: ANDREW J, NATHAN PW. LESIONS ON THE ANTERIOR FRONTAL LOBES AND DISTURBANCES OF MICTURITION AND DEFAECATION. *Brain*. 1964 Jun;87:233-62. doi: 10.1093/brain/87.2.233. PMID: 14188274.

185: SPJUT HJ, LUSE SA. CHORDOMA: AN ELECTRON MICROSCOPIC STUDY. *Cancer*. 1964 May;17:643-56. doi: 10.1002/1097-0142(196405)17:5<643::aid-cncr2820170513>3.0.co;2-q. PMID: 14159811.

186: COX AG, BOND MR. BOWEL HABIT AFTER VAGOTOMY AND GASTROJEJUNOSTOMY. *Br Med J*. 1964 Feb 22;1(5381):460-5. doi: 10.1136/bmj.1.5381.460. PMID: 14084671; PMCID: PMC1813689.

187: CAMPBELL JB. Neurosurgical treatment of bladder and bowel dysfunction resulting from anomalous development of the sacral neural axis. *Clin Neurosurg*. 1962;8:133-56. doi: 10.1093/neurosurgery/8.cn_suppl_1.133. PMID: 13876037.

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