

Publications from National Centre for Ultrasound in Gastroenterology

- 220: Havre, RF, Ødgaard, S, Gilja OH, Nesje LB, Characterisation of Solid Focal Pancreatic Lesions using Endoscopic Ultrasonography with Real-Time Elastography. Accepted. Scandinavian Journal of Gastroenterology
- 219: El-Salhy M, Gundersen D, Gilja OH, Hatlebakk JG, Hausken T. Is irritable bowel syndrome an organic disorder? World J Gastroenterol. 2014 Jan 14;20(2):384-400. Review. PubMed PMID: 24574708; PubMed Central PMCID: PMC3923014.
- 218: Asmund Birkeland, Dag Magne Ulvang, Kim Nylund, Trygve Hausken, Odd Helge Gilja, Ivan Viola, Doppler-based 3D Blood Flow Imaging and Visualization, Proceedings of the 29th Spring Conference on Computer Graphics, 2013
- 217: Sporea I, Gilja OH, Bota S, Şirli R, Popescu A. Liver elastography - an update. Med Ultrason. 2013 Dec;15(4):304-14. PubMed PMID: 24286095.
- 216: Dimcevski G, Erchinger FG, Havre R, Gilja OH. Ultrasonography in diagnosing chronic pancreatitis: new aspects. World J Gastroenterol. 2013 Nov 14;19(42):7247-57. doi: 10.3748/wjg.v19.i42.7247. PubMed PMID: 24259955; PubMed Central PMCID: PMC3831206.
- 215: Erchinger F, Engjom T, Tjora E, Hoem D, Hausken T, Gilja OH, Dimcevski G. Quantification of Pancreatic Function Using a Clinically Feasible Short Endoscopic Secretin Test. Pancreas. 2013 Aug 5. [Epub ahead of print] PubMed PMID: 23921960.
- 214: Kotopoulis S, Delalande A, Popa M, Mamaeva V, Dimcevski G, Gilja OH, Postema M, Gjertsen BT, McCormack E. Sonoporation-Enhanced Chemotherapy Significantly Reduces Primary Tumour Burden in an Orthotopic Pancreatic Cancer Xenograft. Mol Imaging Biol. 2014 Feb;16(1):53-62. doi: 10.1007/s11307-013-0672-5. PubMed PMID: 23877869.
- 213: Kotopoulis S, Dimcevski G, Gilja OH, Hoem D, Postema M. Treatment of human pancreatic cancer using combined ultrasound, microbubbles, and gemcitabine: A clinical case study. Med Phys. 2013 Jul;40(7):072902. doi: 10.1118/1.4808149. PubMed PMID: 23822453.
- 212: Ivan Viola, Å Birkeland, V Solteszova, L Helljesen, H Hauser, S Kotopoulis, K Nylund, DM Ulvang, OK Øye, T Hausken, OH Gilja. High-Quality 3D Visualization of In-Situ Ultrasonography. Eurographics 2013-Dirk Bartz Prize, 1-4 2013
- 211: Havre R, Gilja OH. Elastography and strain rate imaging of the gastrointestinal tract. Eur J Radiol. 2013 Jun 12. doi:pii: S0720-048X(13)00263-5. 10.1016/j.ejrad.2013.05.018. [Epub ahead of print] PubMed PMID: 23769191.
- 210: Nylund K, Jirik R, Mezl M, Leh S, Hausken T, Pfeffer F, Ødegaard S, Taxt T, Gilja OH. Quantitative contrast-enhanced ultrasound comparison between inflammatory and fibrotic lesions in patients with Crohn's disease. Ultrasound Med Biol. 2013 Jul;39(7):1197-206.2013.01.020. Epub 30. PubMed PMID: 23643057.

- 209: Cosgrove D, Piscaglia F, Bamber J, Bojunga J, Correas JM, Gilja OH, Klauser AS, Sporea I, Calliada F, Cantisani V, D'Onofrio M, Drakonaki EE, Fink M, Friedrich-Rust M, Fromageau J, Havre RF, Jenssen C, Ohlinger R, Săftoiu A, Schaefer F, Dietrich CF. EFSUMB guidelines and recommendations on the clinical use of ultrasound elastography. Part 2: Clinical applications. *Ultraschall Med.* 2013 Jun;34(3):238-53. Epub 2013 Apr 19. PubMed PMID: 23605169.
- 208: Bamber J, Cosgrove D, Dietrich CF, Fromageau J, Bojunga J, Calliada F, Cantisani V, Correas JM, D'Onofrio M, Drakonaki EE, Fink M, Friedrich-Rust M, Gilja OH, Havre RF, Jenssen C, Klauser AS, Ohlinger R, Săftoiu A, Schaefer F, Sporea I, Piscaglia F. EFSUMB Guidelines and Recommendations on the Clinical Use of Ultrasound Elastography. Part 1: Basic Principles and Technology. *Ultraschall Med.* 2013 Apr;34(2):169-84. Epub 2013 Apr 4.
- 207: von Volkmann HL, Havre RF, Løberg EM, Haaland T, Immervoll H, Haukeland JW, Hausken T, Gilja OH. Quantitative measurement of ultrasound attenuation and Hepato-Renal Index in Non-Alcoholic Fatty Liver Disease. *Med Ultrason.* 2013 Mar;15(1):16-22. PubMed PMID: 23486619.
- 206: Jirik R, Nylund K, Gilja OH, Mezl M, Harabis V, Kolar R, Standara M, Taxt T. Ultrasound perfusion analysis combining bolus-tracking and burst-replenishment. *IEEE Trans Ultrason Ferroelectr Freq Control.* 2013 Feb;60(2):310-9. PubMed PMID: 23357905.
- 205: Ahmed AB, Matre K, Hausken T, Gregersen H, Gilja OH. Rome III subgroups of functional dyspepsia exhibit different characteristics of antral contractions measured by strain rate imaging - a pilot study. *Ultraschall Med.* 2012 Dec;33(7):E233-40. Epub 2012 Dec 17. PubMed PMID: 23247728.
- 204: Havre RF, Leh S, Gilja OH, Odegaard S, Waage JE, Baatrup G, Nesje LB. Strain Assessment in Surgically Resected Inflammatory and Neoplastic Bowel Lesions. *Ultraschall Med.* 2012 Nov 15. [Epub ahead of print] PubMed PMID: 23154869.
- 203: Radovan Jirik, Kim Nylund, Torfinn Taxt, Martin Mezl, Trygve Hausken, Vratislav Harabis, Radim Kolar, Michal Standara, Odd Helge Gilja. Parametric ultrasound perfusion analysis combining bolus tracking and replenishment. *Ultrasonics Symposium (IUS), 2012 IEEE International,* 1323-1326 2012
- 202: Lied GA, Milde AM, Nylund K, Mujic M, Grimstad T, Hausken T, Gilja OH. Increased wall thickness using ultrasonography is associated with inflammation in an animal model of experimental colitis. *Clin Exp Gastroenterol.* 2012;5:195-201. Epub 2012 Oct 2.
- 201: Sim JA, Horowitz M, Summers MJ, Trahair LG, Goud RS, Zaknic AV, Hausken T, Fraser JD, Chapman MJ, Jones KL, Deane AM. Mesenteric blood flow, glucose absorption and blood pressure responses to small intestinal glucose in critically ill patients older than 65 years. *Intensive Care Med.* 2012 Oct 25.
- 200: Veronika Šoltészová, Linn Emilie Sævil Helljesen, Wolfgang Wein, Odd Helge Gilja, Ivan Viola. Lowest-Variance Streamlines for Filtering of 3D Ultrasound. *Eurographics Workshop on Visual Computing for Biology and Medicine (VCBM 2012), Sep, 2012.* 41-48.

199: Bjørndal B, Grimstad T, Cacabelos D, Nylund K, Aasprong OG, Omdal R, Portero-Otin M, Pamplona R, Lied GA, Hausken T, Berge RK. Tetradecylthioacetic Acid Attenuates Inflammation and Has Antioxidative Potential During Experimental Colitis in Rats. *Dig Dis Sci.* 2013 Jan;58(1):97-106.

198: Ødegaard S, Nesje LB, Lærum OD, Kimmey MB. High-frequency ultrasonographic imaging of the gastrointestinal wall. *Expert Rev Med Devices.* 2012 May;9(3):263-73. PubMed PMID: 22702257.

197: Nylund K, Hausken T, Odegaard S, Eide GE, Gilja OH. Gastrointestinal Wall Thickness Measured with Transabdominal Ultrasonography and Its Relationship to Demographic Factors in Healthy Subjects. *Ultraschall Med.* 2012. Dec;33(7):E225-32.

196: Schmidt M, Søndena K, Dumot JA, Rosenblatt S, Hausken T, Ramnefjell M, Njølstad G, Eide GE. Post-cholecystectomy symptoms were caused by persistence of a functional gastrointestinal disorder. *World J Gastroenterol.* 2012 Mar 28;18(12):1365-72. PubMed PMID: 22493550; PubMed Central PMCID: PMC3319963.

195: Vanis L, Gentilcore D, Lange K, Gilja OH, Rigda RS, Trahair LG, Feinle-Bisset C, Rayner CK, Horowitz M, Jones KL. Effects of variations in intragastric volume on blood pressure and splanchnic blood flow during intraduodenal glucose infusion in healthy older subjects. *Am J Physiol Regul Integr Comp Physiol.* 2012 Feb 15;302(4):R391-9. Epub 2011 Nov 30. PubMed PMID: 22129616.

194: Schäfer, Sebastian, Nylund K, Gilja OH, Tönnies KD, Motion compensation of ultrasonic perfusion images, 24.02.2012, Proceedings of SPIE, Vol 8320

193: Piscaglia F, Nolsøe C, Dietrich CF, Cosgrove DO, Gilja OH, Bachmann Nielsen M, Albrecht T, Barozzi L, Bertolotto M, Catalano O, Claudon M, Clevert DA, Correia JM, D'Onofrio M, Drudi FM, Eyding J, Giovannini M, Hocke M, Ignee A, Jung EM, Klauser AS, Lassau N, Leen E, Mathis G, Saftoiu A, Seidel G, Sidhu PS, ter Haar G, Timmerman D, Weskott HP. The EFSUMB Guidelines and Recommendations on the Clinical Practice of Contrast Enhanced Ultrasound (CEUS): update 2011 on non-hepatic applications. *Ultraschall Med.* 2012 Feb;33(1):33-59. Epub 2011 Aug 26. PubMed PMID: 21874631.

192: Waage JE, Havre RF, Odegaard S, Leh S, Eide GE, Baatrup G. Endorectal elastography in the evaluation of rectal tumours. *Colorectal Dis.* 2011 Oct;13(10):1130-7. doi: 10.1111/j.1463-1318.2010.02440.x. PubMed PMID: 21040360.

191: Tai K, Gentilcore D, Jones KL, Banh L, Gilja OH, Hammond AJ, Feinle-Bisset C, Horowitz M, Chapman IM. Orlistat accentuates the fat-induced fall in blood pressure in older adults. *Br J Nutr.* 2011 Aug;106(3):417-24. Epub 2011 Mar 14. PubMed PMID: 21396142.

190: Saftoiu A, Vilman P, Gorunescu F, Janssen J, Hocke M, Larsen M, Iglesias-Garcia J, Archidiacono P, Will U, Giovannini M, Dietrich CF, Havre RF, Gheorghe C, McKay C, Gheonea DI, Ciurea T. Artificial Neural Networks Based Approach of Endoscopic Ultrasound Elastography for the Diagnosis of Pancreatic Masses: A Multicentric Study. *Clin Gastroenterol Hepatol.* 2011 Oct 1. [Epub ahead of print] PMID: 21963957

- 189: Schäfer, Sebastian; Angelelli, Paolo; Nylund, Kim; Gilja, Odd Helge; Tonnies, Klaus , Registration of ultrasonography sequences based on temporal regions, Image and Signal Processing and Analysis (ISPA), 2011 7th International Symposium on , vol., no., pp.749-754, 4-6 Sept. 2011
- 188: Saftoiu A, Vilmann P, Gorunescu F, Janssen J, Hocke M, Larsen M, Iglesias-Garcia J, Arcidiacono P, Will U, Giovannini M, Dietrich C, Havre R, Gheorghe C, McKay C, Gheonea DI, Ciurea T. Accuracy of endoscopic ultrasound elastography used for differential diagnosis of focal pancreatic masses: a multicenter study. *Endoscopy* 2011;43(7):596-603.
- 187: Schmidt M, Hausken T, Glambek I, Schleer C, Eide GE, Søndena K. A 24-year controlled follow-up of patients with silent gallstones showed no long-term risk of symptoms or adverse events leading to cholecystectomy. *Scand J Gastroenterol.* 2011 Jul;46(7-8):949-54. Epub 2011 Apr 19. PubMed PMID: 21501110.
- 186: Paolo Angelelli, Kim Nylund, Odd Helge Gilja, Helwig Hauser, Interactive visual analysis of contrast-enhanced ultrasound data based on small neighborhood statistics, *Computers & Graphics*, Volume 35, Issue 2, April 2011, Pages 218-226, ISSN 0097-8493.
- 185: Havre RF, Waage JR, Gilja OH, Odegaard S, Nesje LB. Real-Time Elastography: Strain Ratio Measurements Are Influenced by the Position of the Reference Area. *Ultraschall Med.* 2011 Jun 10. [Epub ahead of print] PubMed PMID: 21667433.
- 184: Vanis L, Hausken T, Gentilcore D, Rigda RS, Rayner CK, Feinle-Bisset C, Horowitz M, Jones KL. Comparative effects of glucose and xylose on blood pressure, gastric emptying and incretin hormones in healthy older subjects. *Br J Nutr.* 2011 Jun;105(11):1644-51. Epub 2011 Feb 4. PubMed PMID: 21294929.
- 183: Søndena K, Gondolesi GE, Roayaie S, Goldman JS, Hausken T, Schwartz ME. Functional abdominal complaints occurred frequently in living liver donors after donation. *Scand J Gastroenterol.* 2011 May;46(5):611-5. Epub 2010 Nov 30. PubMed PMID: 21114430.
- 182: Stevens JE, Gilja OH, Gentilcore D, Hausken T, Horowitz M, Jones KL. Measurement of gastric emptying of a high-nutrient liquid by 3D ultrasonography in diabetic gastroparesis. *Neurogastroenterol Motil.* 2011 Mar;23(3):220-5, e113-4. Epub 2010 Nov 19. PubMed PMID:21087356.
- 181: Grimstad T, Berge RK, Bohov P, Skorve J, Gøransson L, Omdal R, Aasprong OG, Haugen M, Meltzer HM, Hausken T. Salmon diet in patients with active ulcerative colitis reduced the simple clinical colitis activity index and increased the anti-inflammatory fatty acid index--a pilot study. *Scand J Clin Lab Invest.* 2011 Feb;71(1):68-73. Epub 2010 Dec 8. PubMed PMID: 21142420.
- 180: Postema M, Gilja OH. Contrast-enhanced and targeted ultrasound. *World J Gastroenterol.* 2011 Jan 7;17(1):28-41. Review. PubMed PMID: 21218081; PubMed Central PMCID: PMC3016677.

- 179: Naevdal EF, Nylund K, Gilja OH. [Transabdominal ultrasonography inflammatory intestinal syndrome]. *Tidsskr Nor Laegeforen*. 2010 Nov 18;130(22):2230-4. Review. Norwegian. PubMed PMID: 21109843.
- 178: Hoff DA, Gregersen H, Ødegaard S, Hjertaker BT, Hatlebakk JG. Sensation evoked by esophageal distension in functional chest pain patients depends on mechanical stress rather than on ischemia. *Neurogastroenterol Motil*. 2010 Nov;22(11):1170-6, e309-11. PubMed PMID:20618835.
- 177: Vanis L, Gentilcore D, Hausken T, Pilichiewicz AN, Lange K, Rayner CK, Feinle-Bisset C, Meyer JH, Horowitz M, Jones KL. Effects of gastric distension on blood pressure and superior mesenteric artery blood flow responses to intraduodenal glucose in healthy older subjects. *Am J Physiol Regul Integr Comp Physiol*. 2010 Sep;299(3):R960-7. Epub 2010 Jun 16. PubMed PMID: 20554933.
- 176: Paolo Angelelli, Ivan Viola, Kim Nylund, Odd Helge Gilja, Helwig Hauser, Guided Visualization of Ultrasound Image Sequences. *Proceedings of Eurographics Workshop on Visual Computing for Biology and Medicine (VCBM)*, 2010), pp. 1–8
- 175: Engjom T, Larsen KK, Hove O, Gilja OH. [A young man with acute, generalised oedema]. *Tidsskr Nor Laegeforen*. 2010 Aug 26;130(16):1627-9. Norwegian. PubMed PMID: 20805862.
- 174: Nylund K, Hausken T, Gilja OH. Ultrasound and inflammatory bowel disease. *Ultrasound Q*. 2010 Mar;26(1):3-15. Review. PubMed PMID: 20216190.
- 173: Hoff DA, Gregersen H, Odegaard S, Liao D, Hatlebakk JG. Mechanosensation and mucosal blood perfusion in the esophagus of healthy volunteers studied with a multimodal device incorporating laser Doppler flowmetry and endosonography. *Dig Dis Sci*. 2010 Feb;55(2):312-20. Epub 2009 Feb 25. PubMed PMID: 19241164.
- 172: Kuo P, Gentilcore D, Nair N, Stevens JE, Wishart JM, Lange K, Gilja OH, Hausken T, Horowitz M, Jones KL, Rayner CK. The nitric oxide synthase inhibitor, Ng-nitro-L-arginine-methyl-ester, attenuates the delay in gastric emptying induced by hyperglycaemia in healthy humans. *Neurogastroenterol Motil*. 2009 Nov;21(11):1175-e103. Epub 2009 May 21. PubMed PMID: 19460102.
- 171: Brennan IM, Feltrin KL, Nair NS, Hausken T, Little TJ, Gentilcore D, Wishart JM, Jones KL, Horowitz M, Feinle-Bisset C. Effects of the phases of the menstrual cycle on gastric emptying, glycemia, plasma GLP-1 and insulin, and energy intake in healthy lean women. *Am J Physiol Gastrointest Liver Physiol*. 2009 Sep;297(3):G602-10. Epub 2009 Jun 25. PubMed PMID: 19556358.
- 170: "Endoscopic ultrasonography of the small bowel". Odegaard S , Volkmann HL, Havre RF, Nesje LB. *Endoscopy* 2009; 41 Suppl.2E8-9, Epub 2009 Jan 29.
- 169: Gentilcore D, Nair NS, Vanis L, Rayner CK, Meyer JH, Hausken T, Horowitz M, Jones KL. Comparative effects of oral and intraduodenal glucose on blood pressure, heart rate, and splanchnic blood flow in healthy older subjects. *Am J Physiol Regul Integr Comp Physiol*. 2009 Sep;297(3):R716-22. Epub 2009 Jun 24. PubMed PMID: 19553500.

168: Gilja OH. EFSUMB Newsletter meets Norway (interview by Professor Michael Bachmann Nielsen). *Ultraschall Med.* 2009 Aug;30(4):413. Epub 2009 Sep 23. PubMed PMID: 19777425.

167: Radim Kolar, Radovan Jirik, Kim Nylund, Odd Helge Gilja, Abstract book, Registration of ultrasound images for perfusion analysis, 2009 IEEE International ultrasonic symposium and short courses, P1-A-10. pp 158-159. DOI: 10.1109/ULTSYM.2009.5441900

166: Nair NS, Brennan IM, Little TJ, Gentilcore D, Hausken T, Jones KL, Wishart JM, Horowitz M, Feinle-Bisset C. Reproducibility of energy intake, gastric emptying, blood glucose, plasma insulin and cholecystokinin responses in healthy young males. *Br J Nutr.* 2009 Apr;101(7):1094-102. Epub 2008 Aug 5. PubMed PMID:18680633.

165: Nylund K, Ødegaard S, Hausken T, Folvik G, Lied GA, Viola I, Hauser H, Gilja OH. Sonography of the small intestine. *World J Gastroenterol.* 2009 Mar 21;15(11):1319-30. Review. PubMed PMID: 19294761; PubMed Central PMCID: PMC2658828.

164: Ahmed AB, Gilja OH, Hausken T, Gregersen H, Matre K. Strain measurement during antral contractions by ultrasound strain rate imaging: influence of erythromycin. *Neurogastroenterol Motil.* 2009 Feb;21(2):170-9. Epub 2007 Dec 11. PubMed PMID: 18086208.

163: Odegaard S, Volkmann HL, Havre RF, Nesje LB. Endoscopic ultrasonography of the small bowel. *Endoscopy.* 2009;41 Suppl 2:E8-9. Epub 2009 Jan 29. PubMed PMID: 19180426.

162: Erchinger F, Dimcevski G, Gilja OH, Hausken T. Abdominal ultrasound after colonoscopy with insufflation of carbon dioxide versus air. *Scand J Gastroenterol.* 2009;44(9):1055-9. PubMed PMID: 19670077.

161: Havre RF, Elde E, Gilja OH, Odegaard S, Eide GE, Matre K, Nesje LB. Freehand real-time elastography: impact of scanning parameters on image quality and in vitro intra- and interobserver validations. *Ultrasound Med Biol.* 2008 Oct;34(10):1638-50. Epub 2008 Jun 4. PubMed PMID: 18524458.

160: Lunding JA, Nordström LM, Haukelid AO, Gilja OH, Berstad A, Hausken T. Vagal activation by sham feeding improves gastric motility in functional dyspepsia. *Neurogastroenterol Motil.* 2008 Jun;20(6):618-24. Epub 2008 Jan 31. PubMed PMID: 18248581.

159: Gilja OH. Ultrasound in gastroenterology. *Expert Rev Gastroenterol Hepatol.* 2008 Feb;2(1):5-8. PubMed PMID: 19072364.

158: Ivan Viola, Kim Nylund, Ola Kristoffer Øye, Dag Magne Ulvang, Odd Helge Gilja and Helwig Hauser, Illustrated Ultrasound for Multimodal Data Interpretation of Liver Examinations, Proceedings of Eurographics Workshop on Visual Computing in Biomedicine, Oct 2008, pp: 125-133

- 157: Gentilcore D, Hausken T, Meyer JH, Chapman IM, Horowitz M, Jones KL. Effects of intraduodenal glucose, fat, and protein on blood pressure, heart rate, and splanchnic blood flow in healthy older subjects. *Am J Clin Nutr.* 2008 Jan;87(1):156-61. PubMed PMID: 18175750.
- 156: Schmidt PT, Abrahamsson H, Dolk A, Hausken T, Karling P, Lindberg G, Nyhlin H, Ohlsson B, Simrén M, Sjölund K, Stotzer PO, Törnblom H. Methods to assess gastric motility and sensation. *Scand J Gastroenterol.* 2008;43(11):1285-95. Review. PubMed PMID: 18618332.
- 155: Nylund K, Leh S, Immervoll H, Matre K, Skarstein A, Hausken T, Gilja OH, Birger Nesje L, Ødegaard S. Crohn's disease: Comparison of in vitro ultrasonographic images and histology. *Scand J Gastroenterol.* 2008;43(6):719-26. PubMed PMID: 18569990.
- 154: Postema M, Gilja OH. Ultrasound-directed drug delivery. *Curr Pharm Biotechnol.* 2007 Dec;8(6):355-61. Review. PubMed PMID: 18289044.
- 153: Dizdar V, Gilja OH, Hausken T. Increased visceral sensitivity in Giardia-induced postinfectious irritable bowel syndrome and functional dyspepsia. Effect of the 5HT3-antagonist ondansetron. *Neurogastroenterol Motil.* 2007 Dec;19(12):977-82. Epub 2007 Aug 17. PubMed PMID: 17973637.
- 152: Gilja OH, Tefera S, Berstad A, Olafsdottir E. Impaired gastric accommodation in children. *Neurogastroenterol Motil.* 2007 Sep;19(9):778; author reply 779. PubMed PMID: 17727396.
- 151: Hjelland IE, Svebak S, Berstad A, Flatabø G, Hausken T. Breathing exercises with vagal biofeedback may benefit patients with functional dyspepsia. *Scand J Gastroenterol.* 2007 Sep;42(9):1054-62. PubMed PMID: 17710670.
- 150: Bratland SZ, Ødegaard S. [Ultrasonography--something for general practice?]. *Tidsskr Nor Laegeforen.* 2007 Aug 9;127(15):1923. Norwegian. PubMed PMID: 17700730.
- 149: Odegaard S. Searching a role for endoscopic ultrasonography in Barrett's esophagus and other acid-related or gastrointestinal motility disorders. *Minerva Med.* 2007 Aug;98(4):409-15. Review. PubMed PMID: 17921959.
- 148: Lunding JA, Gilja OH, Hausken T, Bayati A, Mattsson H, Berstad A. Distension-induced gastric accommodation in functional dyspepsia: effect of autonomic manipulation. *Neurogastroenterol Motil.* 2007 May;19(5):365-75. PubMed PMID: 17509018.
- 147: Gilja OH, Hatlebakk JG, Odegaard S, Berstad A, Viola I, Giertsen C, Hausken T, Gregersen H. Advanced imaging and visualization in gastrointestinal disorders. *World J Gastroenterol.* 2007 Mar 7;13(9):1408-21. Review. PubMed PMID: 17457973.
- 146: Gilja OH. Ultrasound of the stomach--the EUROSON lecture 2006. *Ultraschall Med.* 2007 Feb;28(1):32-9. Review. PubMed PMID: 17304411.

145: Gentilcore D, Hausken T, Horowitz M, Jones KL. Measurements of gastric emptying of low- and high-nutrient liquids using 3D ultrasonography and scintigraphy in healthy subjects. *Neurogastroenterol Motil.* 2006 Dec;18(12):1062-8. PubMed PMID: 17109689.

144: Berhane T, Hausken T, Olafsson S, Søndena K. Ultrasound examination shows disturbed proximal gastric function in symptomatic gallstone patients with dyspepsia and improvement after cholecystectomy--gallstones and gastric emptying. *Ultraschall Med.* 2006 Oct;27(5):451-5. Epub 2006 Aug 7. PubMed PMID: 16894510.

143: Lunding JA, Tefera S, Gilja OH, Hausken T, Bayati A, Rydholm H, Mattsson H, Berstad A. Rapid initial gastric emptying and hypersensitivity to gastric filling in functional dyspepsia: effects of duodenal lipids. *Scand J Gastroenterol.* 2006 Sep;41(9):1028-36. PubMed PMID: 16938715.

142: Jones KL, O'Donovan D, Horowitz M, Russo A, Lei Y, Hausken T. Effects of posture on gastric emptying, transpyloric flow, and hunger after a glucose drink in healthy humans. *Dig Dis Sci.* 2006 Aug;51(8):1331-8. Epub 2006 Jul 13. PubMed PMID: 16838120.

141: Liao D, Frøkjaer JB, Yang J, Zhao J, Drewes AM, Gilja OH, Gregersen H. Three-dimensional surface model analysis in the gastrointestinal tract. *World J Gastroenterol.* 2006 May 14;12(18):2870-5. Review. PubMed PMID: 16718811.

140: Odegaard S, Nesje LB, Hoff DA, Gilja OH, Gregersen H. Morphology and motor function of the gastrointestinal tract examined with endosonography. *World J Gastroenterol.* 2006 May 14;12(18):2858-63. Review. PubMed PMID: 16718809.

139: Gilja OH, Lunding J, Hausken T, Gregersen H. Gastric accommodation assessed by ultrasonography. *World J Gastroenterol.* 2006 May 14;12(18):2825-9. Review. PubMed PMID: 16718805.

138: Gregersen H, Hausken T, Yang J, Ødegaard S, Gilja OH. Mechanosensory properties in the human gastric antrum evaluated using B-mode ultrasonography during volume-controlled antral distension. *Am J Physiol Gastrointest Liver Physiol.* 2006 May;290(5):G876-82. Epub 2005 Nov 17. PubMed PMID: 16293656.

137: Lunding JA, Tefera S, Bayati A, Gilja OH, Mattsson H, Hausken T, Berstad A. Pressure-induced gastric accommodation studied with a new distension paradigm. Abnormally low accommodation rate in patients with functional dyspepsia. *Scand J Gastroenterol.* 2006 May;41(5):544-52. PubMed PMID: 16638696.

136: Ahmed AB, Gilja OH, Gregersen H, Ødegaard S, Matre K. In vitro strain measurement in the porcine antrum using ultrasound doppler strain rate imaging. *Ultrasound Med Biol.* 2006 Apr;32(4):513-22. PubMed PMID: 16616598.

135: Hoff DA, Gregersen H, Odegaard S, Nesje LB, Oevreboe K, Hausken T, Gilja OH, Matre K, Hatlebakk JG. A multimodal laser Doppler and endosonographic distension device for studying mechanosensation and mucosal blood flow in the oesophagus. *Neurogastroenterol Motil.* 2006 Mar;18(3):243-8. PubMed PMID: 16487416.

- 134: Mundt MW, Hausken T, Smout AJ, Samsom M. Relationships between gastric accommodation and gastrointestinal sensations in healthy volunteers. A study using the barostat technique and two- and three-dimensional ultrasonography. *Dig Dis Sci*. 2005 Sep;50(9):1654-60. PubMed PMID: 16133965.
- 133: Gilja OH. Ultrasonography for surgeons. *Scand J Gastroenterol*. 2005 Jun;40(6):615-6. PubMed PMID: 16036519.
- 132: O'Donovan D, Hausken T, Lei Y, Russo A, Keogh J, Horowitz M, Jones KL. Effect of aging on transpyloric flow, gastric emptying, and intragastric distribution in healthy humans--impact on glycemia. *Dig Dis Sci*. 2005 Apr;50(4):671-6. PubMed PMID: 15844700.
- 131: Arslan G, Gilja OH, Lind R, Florvaag E, Berstad A. Response to intestinal provocation monitored by transabdominal ultrasound in patients with food hypersensitivity. *Scand J Gastroenterol*. 2005 Apr;40(4):386-94. PubMed PMID: 16028432.
- 130: Gilja OH, Hausken T, Ødegaard S, Berstad A. Ultrasonography and three-dimensional methods of the upper gastrointestinal tract. *Eur J Gastroenterol Hepatol*. 2005 Mar;17(3):277-82. Review. PubMed PMID: 15716650.
- 129: Gilja OH, Hausken T, Odegaard S, Lunding J, Berstad A. Gastric accommodation and ultrasonography. *Neurogastroenterol Motil*. 2005 Feb;17(1):155; author reply 155-6. PubMed PMID: 15670276.
- 128: Hjelland IE, Oveland NP, Leversen K, Berstad A, Hausken T. Insulin-induced hypoglycemia stimulates gastric vagal activity and motor function without increasing cardiac vagal activity. *Digestion*. 2005;72(1):43-8. Epub 2005 Aug 17. PubMed PMID: 16110219.
- 127: Hjelland IE, Ofstad AP, Narvestad JK, Berstad A, Hausken T. Drink tests in functional dyspepsia: which drink is best? *Scand J Gastroenterol*. 2004 Oct;39(10):933-7. PubMed PMID: 15513330.
- 126: Liao D, Gregersen H, Hausken T, Gilja OH, Mundt M, Kassab G. Analysis of surface geometry of the human stomach using real-time 3-D ultrasonography in vivo. *Neurogastroenterol Motil*. 2004 Jun;16(3):315-24. PubMed PMID: 15198654.
- 125: Matre K, Ahmed AB, Gregersen H, Heimdal A, Hausken T, Ødegaard S, Gilja OH. In vitro evaluation of ultrasound Doppler strain rate imaging: modification for measurement in a slowly moving tissue phantom. *Ultrasound Med Biol*. 2003 Dec;29(12):1725-34. PubMed PMID: 14698340.
- 124: Gilja OH, Hausken T, Ødegaard S, Wendelbo Ø, Thierley M. [Mobile ultrasonography in a medical department]. *Tidsskr Nor Laegeforen*. 2003 Oct 9;123(19):2713-4. Norwegian. PubMed PMID: 14600742.
- 123: Olafsdottir E, Gilja OH, Tefera S, Fluge G, Berstad A. Intragastric maldistribution of a liquid meal in children with recurrent abdominal pain assessed by three-dimensional ultrasonography. *Scand J Gastroenterol*. 2003 Aug;38(8):819-25. PubMed PMID: 12940433.

122: Murata Y, Napoleon B, Odegaard S. High-frequency endoscopic ultrasonography in the evaluation of superficial esophageal cancer. *Endoscopy*. 2003 May;35(5):429-35; discussion 436. Review. PubMed PMID: 12701017.

121: Gilja OH, Heimdal A, Hausken T, Gregersen H, Matre K, Berstad A, Ødegaard S. Strain during gastric contractions can be measured using Doppler ultrasonography. *Ultrasound Med Biol*. 2002 Nov-Dec;28(11-12):1457-65. PubMed PMID: 12498941.

120: Mundt MW, Hausken T, Samsom M. Effect of intragastric barostat bag on proximal and distal gastric accommodation in response to liquid meal. *Am J Physiol Gastrointest Liver Physiol*. 2002 Sep;283(3):G681-6. PubMed PMID:12181183.

119: Gregersen H, Gilja OH, Hausken T, Heimdal A, Gao C, Matre K, Ødegaard S, Berstad A. Mechanical properties in the human gastric antrum using B-mode ultrasonography and antral distension. *Am J Physiol Gastrointest Liver Physiol*.2002 Aug;283(2):G368-75. PubMed PMID: 12121884.

118: Nesje LB, Laerum OD, Svanes K, Ødegaard S. Subepithelial masses of the gastrointestinal tract evaluated by endoscopic ultrasonography. *Eur J Ultrasound*.2002 Jun;15(1-2):45-54. PubMed PMID: 12044852.

117: Arslan G, Ødegaard S, Elsayed S, Florvaag E, Berstad A. Food allergy and intolerance: response to intestinal provocation monitored by endosonography. *Eur J Ultrasound*. 2002 Jun;15(1-2):29-36. PubMed PMID: 12044850.

116: Nesje LB, Varhaug JE, Husebye ES, Odegaard S. Endoscopic ultrasonography for preoperative diagnosis and localization of insulinomas. *Scand J Gastroenterol*. 2002 Jun;37(6):732-7. PubMed PMID: 12126255.

115: Tefera S, Gilja OH, Olafsdottir E, Hausken T, Hatlebakk JG, Berstad A. Intragastric maldistribution of a liquid meal in patients with reflux oesophagitis assessed by three dimensional ultrasonography. *Gut*. 2002 Feb;50(2):153-8. PubMed PMID: 11788552; PubMed Central PMCID: PMC1773109.

114: Hausken T, Mundt M, Samsom M. Low antroduodenal pressure gradients are responsible for gastric emptying of a low-caloric liquid meal in humans. *Neurogastroenterol Motil*. 2002 Feb;14(1):97-105. PubMed PMID: 11874558.

113: Folvik G, Nesje LB, Berstad A, Odegaard S. Endosonography-guided endoscopic band ligation of Dieulafoy's malformation: a case report. *Endoscopy*. 2001 Jul;33(7):636-8. PubMed PMID: 11473339.

112: Hoem D, Odegaard S, Morild I, Viste A. Dysphagia caused by an embryonic triple epithelial duplication cyst. *Eur J Surg*. 2001 Jul;167(7):546-7. PubMed PMID: 11560393.

111: Hausken T, Li XN, Goldman B, Leotta D, Ødegaard S, Martin RW. Quantification of gastric emptying and duodenogastric reflux stroke volumes using three-dimensional guided digital color Doppler imaging. *Eur J Ultrasound*. 2001 Jul;13(3):205-13. PubMed PMID: 11516632.

110: Tefera S, Gilja OH, Hatlebakk JG, Berstad A. Gastric accommodation studied by ultrasonography in patients with reflux esophagitis. *Dig Dis Sci*. 2001 Mar;46(3):618-25. PubMed PMID: 11318542.

Publikasjoner i miljøet før etablering av NSGU:

109: Ødegaard S., Nesje LB, Kimmey MK. Endoscopic ultrasound miniprbes for gastrointestinal cancer staging. In: Bhutani MS, Tandon RK. (eds.) *Advances in Gastrointestinal Endoscopy*. JayPee Brothers Medical Publishers, New Delhi 2000.

108: Nesje LB, Svanes K, Viste A, Lærum OD, Ødegaard S. Comparison between a linear miniature ultrasound probe and a radial-scanning echo-endoscope in TN-staging of esophageal cancer. *Scand J Gastroenterol* 2000;35:997-1002.

107: Ødegaard S, Nesje LB, Molin SO, Martens D, Gilja OH, Hausken T. Diseases of the gastrointestinal tract examined with 3-D endoscopic ultrasonography. Invited video production, 12th International Symposium on Endoscopic Ultrasonography, Monaco, January 2000.

106: Olafsdottir E, Gilja OH, Aslaksen A, Berstad A, Fluge G. Recurrent abdominal pain (RAP) of non-organic origin in children and use of real-time ultrasound in monitoring postprandial size of the proximal stomach. *J Pediatric Gastroenterol* 2000;30:157-163.
S. Vingerhagen, T. Hausken, O.H. Gilja, A. Berstad. Influence of a 5HT1 receptor agonist on gastric accommodation and initial transpyloric flow in healthy subjects. *Neurogastroenterol Motil*. 2000;12(1):95-101.

105: Folvik G, Bjerke Larsen T, Ødegaard S, Hausken T, Gilja OH, Berstad A. Hydrosonography of the small intestine. Comparison with radiological barium-study. *Scand J Gastroenterol* 1999;34(12):1247-52.

104: Molin SO, Nesje LB, Gilja OH, Hausken T, Martens D, Ødegaard S. 3D-endosonography in gastroenterology: methodology and clinical applications. *Eur J Ultrasound* 1999;10: 171-177

103: Ødegaard S. (ed.). Endosonography in Gastroenterology, *Eur J Ultrasound*, Special Issue 1999,10: 85-196.

102: Ødegaard S. High resolution endoluminal sonography in gastroenterology. *Eur J Ultrasound* 1999,10:85-91.

101: Svebak S, Søndena K, Hausken T, Berstad A, Søreide O, Hammar Å, Berstad A. The significance of personality in pain from gallbladder stones. *Scand J Gastroenterol* 2000; 35: 759-764.

100: Berstad A, Arslan G, Florvaag E, Ødegaard S, Elsayed S. Intestinal allergi. *Therapia Medica* 1999 (2): 10-12.

99: Berstad A. Functional dyspepsia – a conceptual framework. *Gut* 2000; (Suppl III) 47: 3-4.

98: S. Vingerhagen, T. Hausken, O.H. Gilja, A. Berstad. Influence of a 5HT1 receptor agonist on gastric accommodation and initial transpyloric flow in healthy subjects. *Neurogastroenterol Motil.* 2000 Feb;12(1):95-101.

97: Martin RW, Leotta D, Li X-N, Hausken T. Three-dimensional Doppler ultrasound: A tool of the 21st century. *Proceedings of ICA/ASA Meeting; J ACOUST SOC AMER* 01/1998; 103(5). DOI:10.1121/1.422459

96: Hausken T, Leotta D, Helton S, Kowdley KV, Goldman B, Vaezy S, Bolson EL, Sheehan FH, Martin RW. Estimation of the human liver volume and configuration using three-dimensional ultrasonography: Effect of a high-caloric liquid meal. *Ultrasound Med Biol* 1998;24:1357-67

95: Hveem K, Hausken T, Svebak S, Berstad A. Effect of mental stress and cisapride on autonomic nerve functions in functional dyspepsia. *Scand J Gastroenterol* 1998;33:123-127
Ødegaard S, Nesje LB, Hausken T, Thierley M, Gilja OH, Takvam JA, Molin SO. Intraluminale Hochfrequente Sonographie in der Diagnostik von gastrointestinalen Krankheiten. *Ultraschall in Med* 1999; 2000,21:47-58.

94: Ødegaard S, Nesje LB, Ohm I, Kimmey MB. Endosonography in gastroenterological diseases. *Acta Radiologica* 1999,40: 119-134.

93: Gilja OH, Olafsson S, Folvik G, Hausken T, Ødegaard S, Berstad A. The ultrasound meal accommodation test. A case study. *Motility* 1999;46:14-15.

92: Olafsdottir E, Gilja OH, Aslaksen A, Berstad A, Fluge G. Recurrent abdominal pain (RAP) of non-organic origin in children and use of real-time ultrasound in monitoring postprandial size of the proximal stomach. *J Pediatric Gastroenterol* May 1998 - Volume 26 - Issue 5 - p 560.

91: Matre K, Stokke EM, Martens D, Gilja OH. In vitro volume estimation of kidneys using three-dimensional ultrasonography and a position sensor. *Eur J Ultrasound* 1999;10(1):65-73.

90: Ødegaard S, Molin S-O, Nesje LB, Gilja OH, Hausken T. Three-dimensional intraluminal sonography in the evaluation of gastrointestinal diseases. *Invited Editorial in Abdominal Imaging* 1999, 24(5):449-51.

89: Gilja OH, Hausken T, Ødegaard S, Berstad A. Invited Editorial: Gastric emptying measured by ultrasonography. *World J Gastroenterology* 1999; 5 (2):93-94.

88: Gilja OH, Hausken T, Berstad A, Ødegaard S. Invited review: Volume measurements of organs by ultrasonography. *Proc Inst Mech Eng* 1999, 213; 247-59.

87: Berstad A, Hausken T, Gilja OH, Nesland A, Ødegaard S. Imaging studies in dyspepsia. *Eur J Surgery* 1998;S582:42-49.

86: Hausken T, Gilja OH, Undeland KA, Berstad A. Timing of postprandial dyspeptic symptoms and transpyloric passage of gastric content. *Scand J Gastroenterol* 1998;33:822-827.

- 85: Ødegaard S (coworker) et al. Minimal standard terminology in gastrointestinal endosonography. Senior editors: Aabakken L, Kim CY. In: Digestive Endoscopy, 1998,10. 159-184.
- 84: Gilja OH, Hausken T, Olafsson S, Matre K, Ødegaard S. In vitro evaluation of three-dimensional ultrasonography based on magnetic scanhead tracking. *Ultrasound Med Biol* 1998;24:1161-1167.
- 83: Hausken T, Gilja OH, Ødegaard S, Berstad A. Flow across the pylorus soon after ingestion of food studied by duplex sonography. Effect of glyceryl trinitrate. *Scand J Gastroenterol* 1998; ;33:484-490.
- 82: Nesje LB, Skarstein A, Matre K, Myking AO, Ødegaard S. Dieulafoy's vascular malformation: role of endoscopic ultrasonography in therapeutic decision-making. *Scand J Gastroenterol* 1998;33:104-108.
- 81: Undeland KA, Hausken T, Gilja OH, Aanderud S, Berstad A. Glyceryl trinitrate improves gastric meal accommodation in diabetes. A placebo-controlled trial. *Eur J Gastroenterol Hepatol* 1998;10:677-681.
- 80: Ødegaard S, Nesje LB, Gilja OH, Hausken T, Molin SO, Martens D. Diseases of the gastrointestinal tract examined with 3D-endoscopic ultrasonography. In: Bismuth H et al,» Proceedings, 8th World Congress of the International Gastro-Surgical Club, Strasbourg», pp. 827-831, Monduzzi Editore, Bologna 1998.
- 79: Hatlebakk JG, Ødegaard S. Endoscopic ultrasound - a new look at achalasia? *Eur J Gastroenterol Hepatol* 1998, 10:543-545
- 78: Undeland KA, Hausken T, Gilja OH, Aanderud S, Berstad A. Gastric meal accommodation studied by ultrasound in diabetes. Relation to vagal tone. *Scand J Gastroenterol*. 1998;33:236-241.
- 77: Kimmey MB & Ødegaard S. Linear Scanner: Fujinon Sonoprobe. In: ENDOSONOGRAPHY (Eds. van Dam J & Sivak M), Lea & Febiger, Pennsylvania, USA, 1998.
- 76: Hausken T, Søndena K, Svebak S, Martens D, Gilja OH, Søreide O, Olafsson S, Ødegaard S, A Berstad. Common pathogenic mechanisms in symptomatic, uncomplicated gallstone disease and functional dyspepsia: Volume measurement of gallbladder and antrum using three-dimensional ultrasonography. *Dig Dis Sci* 1997;42(12):2505-12.
- 75: Gilja OH. Three-dimensional ultrasonography of the gastric antrum in patients with functional dyspepsia. *Motility* 1998;41;2+15-17. ISSN 0953-5535.
- 74: Gilja OH. Gastric accommodation in functional dyspepsia. In: Funksjonelle tilstander i gastroenterologien. Ed. Berstad A & Guldvog I. 56-62, 1998.
- 73: Gilja OH. Effect of glyceryl trinitrate in functional dyspepsia. In: Funksjonelle tilstander i gastroenterologien. Ed. Berstad A & Guldvog I. 86-89,1998.

- 72: Gilja OH, Hausken T, Bang C.J., A Berstad. Effect of Glyceryl Trinitrate on Gastric Accommodation and Symptoms in Functional Dyspepsia. *Dig Dis Sci* 1997;42(10):2124-2131.
- 71: Undeland KA, Hausken T, Ånderud S, Berstad A. Lower postprandial gastric volume response in diabetic patients with vagal neuropathy. *Neurogastroenterol Motil* 1997;9:19-24.
- 70: Gilja OH, Detmer PR, Jong JM, Leotta DF, Li X-N, Beach KW, Martin RW, Strandness Jr, DE. Intra-gastric distribution and gastric emptying assessed by three-dimensional ultrasonography. *Gastroenterology* 1997;113:38-49.
- 69: Ødegaard S, Nesje LB, Vilmann P. Endoskopisk Ultrasonografi. In: *Gastrointestinal Endoskopi* (eds: L. Aabakken et al). 181- 199, 1997. *Scand. Ass. Dig. Endosc.* 21
Berstad A, Hausken T, Gilja OH, Undeland KA, Wilhelmsen I, Haug TT. Gastric accommodation in functional dyspepsia. Review. *Scand J Gastroenterol.* 1997;32:193-197.
- 68: Gilja OH, Hausken T, Wilhelmsen I, Olafsson S, A Berstad. Dèfaut d'adaptation de l'estomac proximal au repas, dans la dyspepsie fonctionelle. *Gastroenterology Digest* 1997;(1)13-17.
- 67: Molin SO, Jirås A, Hall-Angerås M, Falk A, Martens D, Gilja OH, Nesje LB, Martens D, Ødegaard S. Virtual reality in surgical practice In vitro and In vivo Evaluations. *Medicine meets virtual reality: global healthcare grid.* *Stud Health Technol Inform* 1997;39:246-253.
- 66: Caletti G, Deviere J, Fockens P, Lees WR, Mortensen M.B. Ødegaard S, Roesch T, Souquet JS, Vilmann P. Guidelines of the European Society of Gastrointestinal Endoscopy (ESGE). Part II: Retroperitoneum and Large Bowel, Training. *Endoscopy* 1996;28:626-628.
- 65: Ødegaard S. Endoskopisk ultrasonografi av svulster i øvre gastrointestinaltrakt og pankreas. I *Gastrontestinal cancer*, GFG, Oslo 1996,102-105.
- 64: Ødegaard S. Ultrasonografisk cancer-diagnostikk. I "Moderne Trender i kreftdiagnostikk, billedannende diagnostikk og tilgrensende intervensjonsprosedyrer"(eds. Skjennald A. et al.), Sosialdepartementet, Oslo 1996.
- 63: Menzel J, Domschke W, Brambs HJ, Frank N, Hatfield A, Nattermann C, Ødegaard S, Seifert H, Tamada K, Tio TL, Foerster EC. Miniprobe Ultrasonography in the upper gastrointestinal tract: State of the art 1995, and prospects. *Endoscopy* 1996; 28: 508-513.
- 62: Caletti G, Deviere J, Fockens P, Lees WR, Mortensen MB, Ødegaard S, Røsch T, Souquet JC, Vilmann P. Guidelines of the European Society of Gastrointestinal endoscopy (E.S.G.E.). Endoscopic Ultrasonography. Technique and upper gastrointestinal tract. *Endoscopy* 1996;28:474-479.
- 61: Thune N, Gilja OH, Hausken T, Matre K. A practical method for estimating enclosed volumes using 3D ultrasound. *Eur J Ultrasound* 1996;3:83-92.
- 60: Menzel J, Domschke W, Brambs HJ, Frank N, Hatfield A, Nattermann C, Ødegaard S, Seifert H, Tamada K, Tio TL, Foerster E. Minisonden - Sonographie im oberen Gastrointestinaltrakt - State of the art 1995 und Perspektiven. *Ultraschall in Med.* 17, 1996, 143-148.

- 59: Ødegaard S, Nesje LB, Gilja OH, Hausken T, Berstad A, Eriksen R, Skarstein A, Cheung AHS, Wheeler M, Kimmey MB, Silverstein FE, Martin RW. Høyfrekvent ultrasonografi av gastrointestinalkanalens vegg. Tidsskr Nor Lægeforen 1996;116:1455-59.
- 58: Gilja OH, Hausken T, Wilhelmsen I, A Berstad. Impaired accommodation of the proximal stomach to a meal in functional dyspepsia. Dig Dis Sci 1996;41(4):689-696.
- 57: Søreide E, Hausken T, Søreide JA, Steen PA. Gastric emptying of a light breakfast. A study using real-time ultrasonography. Acta Anaesthesiol Scandinavica 1996;40:549-553, Editorial 507-508
- 56: Undeland KA, Hausken T, Svebak S, Aanderud S, Berstad A. Wide gastric antrum and low vagal tone in patients with diabetes type 1 compared to patients with functional dyspepsia and healthy individuals. Dig Dis Sci 1996;41:9-16
- 55: Hveem K, Hausken T, Svebak S, Bertstad A. Gastric antral motility in functional dyspepsia. Effect of mental stress and cisapride. Scand J Gastroenterol 1996;31:452-457
- 54: Berstad A, Hausken T, Gilja OH, Hveem K, Nesje LB, Ødegaard S. Ultrasonography of the stomach. Scand J Gastroenterol 1996;31, (Suppl.220), 75-82.
- 53: Gilja OH, Hausken T, Ødegaard S, Berstad A. Three-Dimensional ultrasonography of the gastric antrum in patients with functional dyspepsia. Scand J Gastroenterol 1996;31:847-855.
- 52: Gilja OH, Thune N, Matre K, Hausken T, Ødegaard S, Berstad A. In vitro evaluation of three-dimensional ultrasonography in volume estimation of abdominal organs. In "the year book of ultrasound", 363-364. Ed: Merritt CRB. Mosby, St Louis 1995.
- 51: Gilja OH, Hausken T, Ødegaard S, Berstad A. Monitoring post-prandial size of the gastric fundus with ultrasonography. J Ultrasound Med, 1995;14:81-9.
- 50: Gilja OH. Tre-dimensjonal ultralyd av abdominale organer. Therapia Medica 1995;5:9-11,16.
- 49: Ødegaard S, Nesje LB, Gilja OH, Hausken T. Miniprobos and 3D ultrasound in gastroenterology. Invited Video production, European Congress on Gastroenterology, Berlin 1995.
- 48: Leotta DF, Detmer PR, Gilja OH, Jong JM, Martin RW, Primozich JF, Beach KW, Strandness Jr, DE. Three-dimensional ultrasound imaging using multiple magnetic tracking systems and miniature magnetic sensors. Proceedings IEEE Int. Ultrasonics Symp., Seattle, WA. USA, pp-1415-1418, 1995.
- 47: Berstad A, Hausken T, Gilja OH, Thune N, Matre K, Ødegaard S. Volume measurements of the antrum by 3D ultrasonography and flow measurements through the pylorus by duplex technique. Dig Dis Sci, 1995, 39(12):97-100.
- 46: Gilja OH, Smievoll AI, Thune N, Matre K, Hausken T, Ødegaard S, Berstad A. In vivo comparison of 3D ultrasonography and Magnetic Resonance Imaging in volume estimation of human kidneys. Ultrasound Med. Biol. 1995;21:25-32.

- 45: Sivak M, Yasuda, Rösch T, Ødegaard S, Lok Tio T, Caletti G. Endosonography in Gastroenterology. World Congresses of Gastroenterology, Los Angeles, USA, Am J Gastroenterol (Suppl.), 1994.
- 44: Hausken T, Thune N, Matre K, Gilja OH, Ødegaard S, Berstad A. Volume estimation of the gastric antrum and the gallbladder in patients with functional dyspepsia and erosive prepyloric changes, using 3D ultrasonography. Neurogastroenterol. Mot. 1994, 6,263-270.
- 43: Gilja OH, Thune N, Matre K, Hausken T, Ødegaard S, Berstad A. In vitro evaluation of three dimensional ultrasonography in volume estimation of organs. Ultrasound Med & Biol, 1994, 20,157-165.
- 42: Ødegaard S, Kimmey MB, Cheung AHS, Nesje LB, Morild I, Silverstein FE, Martin RW. High frequency endosonography of gastrointestinal arteries. Potential and limitations defined in vitro. Eur J Ultrasound, 1995, 313-319.
- 41: Nesje LB., Ødegaard S., Kimmey MB. Transendoscopic ultrasonography during conventional upper gastrointestinal endoscopy. Clinical evaluation of a linear 20 MHz probe system.. Scand J Gastroenterol 1997, 32:500-508.
- 40: Nesje LB, Ødegaard S. Endoskopisk ultrasonografi i diagnostikk og oppfølging av gastrointestinale sykdommer. Tidsskr Nor Lægeforen 1994, 114 (22): 2616-2619.
- 39: Hausken T, Berstad A. Effect of nitric oxide on antral motility and symptoms in patients with functional dyspepsia. Scand J Gastroenterol 1994;29:23-28
- 38: Hveem, K, Hausken T, Berstad A. Ultrasonographic assessment of volume of fasting gastric contents in man. Scand J Gastroenterol 1994;29:786-9
- 37: Hokland JH, Hausken T. An interactive volume rendering method applied to ultrasonography of abdominal structures. IEEE Ultrason Symp Proc 1994;3:15671571
- 36: Ødegaard S, Kimmey MB. Location of the muscularis mucosae on high frequency gastrointestinal ultrasound images. Eur J Ultrasound 1994, 1, 39-50.
- 35: Hausken T, Svebak S, Wilhelmsen I, Tangen Haug T, Pettersson E, Olavsen K, Hveem K, Berstad A. Low vagal tone and antral dysmotility in patients with functional dyspepsia. Psychosomatic Med 1993;55:12-22
- 34: Hausken T, Thune N, Matre K, Gilja OH, Ødegaard S, Berstad A. New device shows enlarged antrum in dyspeptic patients. Internat Gastroenterol Observer, 1993;1,5-6
- 33: Taniguchi DK, Martin RW, Trowers EA, Dennis MB, Kimmey MB, Ødegaard S, Silverstein FE. Changes in esophageal wall layers during motility: Measurements with a new miniature ultrasound suction probe. Gastrointestinal Endoscopy 1993,39,146-152
- 32: Ødegaard S, Kimmey MB, Martin RW, Cheung AHS, Yee, HC, Jiranek GC, Silverstein FE. The effects of applied pressure on the thickness, layers and echogenicity of gastrointestinal wall ultrasound images. Gastrointest Endosc 1992,38,351-356.

- 31: Hausken T, Ødegaard S, Berstad A. Antroduodenal motility and movements of luminal content studied by Duplex-sonography. *Gastroenterology* 1992, 102,1583 - 1590.
- 30: Ødegaard S. ABC in Endoscopic Sonoprobe System. In: Tewari, S.N. (ed.), *International Gastroenterology Conference, Orlando, U.S.A. 1992*, oversiktsartikkel.
- 29: Ødegaard S. Evaluation of the solitary liver nodule.E.U.S. In: Tewari, S.N. (ed.), *International Gastroenterology Conference, University of Florida, Orlando, USA, 1992*, oversiktsartikkel.
- 28: Hausken T, Ødegaard S, Matre K, Børkje B, Berstad A. Untersuchungen der gastroduodenalen Motilitaet mit Real-time Ultrasonographie. *Ultraschall in Klin & Prax*,1992,7,259-263.
- 27: Hausken T, Svebak S, Berstad A. Stress-related autonomic dysfunction. A cause of dysmotility and discomfort in patients with non-ulcer dyspepsia? *Hepato-Gastroenterol* 1992;39:87-88
- 26: Cheung AHS, Wang KY, Jiranek, GC, Ødegaard S, Kimmey MB, Silverstein FE. Evaluation of a 20 MHz ultrasound system for diagnosis of porcine small bowel ischemia. *Invest Radiol* 1992, 27, 217-223.
- 25: Hausken T, Berstad A. Wide antral area in patients with non- ulcer dyspepsia. Effect of cisapride. *Scand J Gastroenterol* 1992;27:427-432
- 24: Ødegaard S, Nesje LB, Matre K, Kimmey MB. Transendoskopische Ultrasonographie des oberen Gastrointestinaltractus bei der routine Endoskopie. *Ultraschall in Klin & Prax*, 1992,7,99-103.
- 23: Ødegaard S. How to look through the gastrointestinal wall using endoscopic ultrasonography. The Fujinon Sonoprobe System. In: *Duesseldorf Meeting of Fujinon Partners*, 4 - 8, 1991, oversiktsartikkel.
- 22: Bang CJ, Børkje B, Ødegaard S. Tumors of the gastrointestinal tract diagnosed by ultrasonography. In: Ødegaard S. et al (eds.) *Ultrasonography in Gastroenterology, Farmakoterapi* 3, 1991, 78-81
- 21: Hausken T, Ødegaard S, Berstad A. Antroduodenal motility studied by real-time ultrasonography. Effect of enprostil. *Gastroenterology* 1991,1,59-63
Hausken T. Duplexsonography of abdominal vessels. *Farmakoterapi* 3/1991;VOLXLVII:73-78
- 20: Ødegaard S, Børkje B, Myren J, Berstad A (eds).*Ultrasonography in Gastroenterology. Spesialnummer, Farmakoterapi* 3, Oslo 1991 Hausken T. Gastroduodenal motility studied by real-time ultrasonography. *Farmakoterapi* 3/1991;VOLXLVII:104-109
- 19: Matre K, Ødegaard S, Hausken T. Endoscopic ultrasound Doppler probes for velocity measurements in the upper gastrointestinal tract using a multifrequency pulsed doppler meter. *Endoscopy* 1990,22,268-270.

- 18: Hausken T, Ødegaard S, Berstad A. Sonographische Untersuchungen der Antroduodenalen Motilität. In: Gebhardt J, Hackeloeer BJ, von Klinggräff G, Seitz K. (Hrsg). Ultraschalldiagnostik 89, Springer-Verlag 1990.
- 17: Ødegaard S. Med sonar i kroppens indre. "Hold pusten", 1990,4,6-11.
- 16: Ødegaard S, Kimmey MB, Børkje B, Hausken T. Endoscopic ultrasonographic findings in benign and malignant diseases of the stomach. Eur J Radiol 1990, 11,3,175-179
- 15: Ødegaard S. Endoskopisk ultralyd-diagnostikk (EUS) av øvre gastrointestinaltrakt. Omarbeidet og forkortet prøveforelesning for Den medisinske doktorgrad. Selvvalgt emne, særtrykk, Norsk forening for ultralyd-diagnostikk, Geilo 1989
- 14: Ødegaard S. Ultralyddiagnostikk ved sykdommer i fordøyelsesorganene. Fordøyelsen 1989,2,5
- 13: Ødegaard S. Endoskopisk ultralyd-diagnostikk av gastrointestinalkanalen, Farmakoterapi 1989,4,86-91
- 12: Ødegaard S. Endoskopisk ultralyd, Haessle-information, Sverige 1989,9,3-8
- 11: Ødegaard S. Abdominal ultralyd-diagnostikk, Haessle information, Sverige, 1989,8,3-8
- 10: Ødegaard S, Børkje B. Opplæringsfilm i generell ultrasonografi og endoskopisk ultrasonografi. Videoproduksjon, 20 min, Universitetet i Bergen, Norge, 1988
- 9: Ødegaard S, Børkje B. Endoskopisk ultrasonografi. I "Akutte tilstander i gastrointestinaltraktus. Fausa O, Rosseland AR (eds), 1988,71-76
- 8: Ødegaard S, Børkje B. Endoskopisk ultrasonografi av øvre gastrointestinaltraktus. Tidsskr Nor Lægeforen 1988,108,1625-1628
- 7: Ødegaard S, Lærum OD. Ultraschalldiagnostik bei parenchymatösen Lebererkrankungen. In: Ultraschalldiagnostik 86. Eds. Hansmann M und Mitarbeiter, Springer Produktions-Gesellschaft, Berlin 1987, 39-41
- 6: Ødegaard S. Abdominal ultralydundersøkelse, Therapia Medica, 1986,2,4-11
- 5: Ødegaard S, Schrumpf E, Børkje B, Hamre E, Vetvik K, Lærum OD. Ultralydundersøkelse ved parenkymatøse lever-sykdommer. Tidsskr Nor Lægeforen 1986, 106, 1101-3.
- 4: Ødegaard S, Vetvik K, Børkje B, Schrumpf E, Bakkevold K, Pedersen OM, Kråkenes J. Ultralydundersøkelse og endoskopisk retrograd kolangiopankreatografi (ERCP). Tidsskr Nor Lægeforen 1984, 104: 1315-7.
- 3: Christensen I, Ødegaard S, Breinholt J. Cancer i corpus pancreatis diagnostisert ved ultralyd. Tidsskr Nor Lægeforen 1982, 24: 1220-1.
- 2: Ødegaard S. Ultralyddiagnostikk ved abdominalsykdommer. Tidsskriftkassetten Nr.1-82.

1: Ødegaard S. Hurtigdiagnostikk ved akutte abdominal-sykdommer ved hjelp av ultralyd.
Tidsskr Nor Lægeforen 1981, 32: 1831-4.