

Curriculum Vitae

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Personal information

Born: 22.08.1974
Citizenship: Norwegian
Sex: Male
Marital status: Married
Children: 2

Employment history:

- Resident in in gastroenterology (50%) and Postdoc (50%), Department of Medicine, Haukeland University Hospital from 01.09.13 to date.
- Project leader, Nasjonal kompetansetjeneste for gastroenterologisk ultrasonografi , Haukeland University Hospital, Aug 2012—Aug 2013.
- PhD student, Institute of Internal Medicine, University of Bergen, Oct 2007-Aug 2012.
- Resident in internal medicine, Department of Medicine, Haukeland University Hospital, Jul 2002-Sept 2007
- Scholarship at Natipendiat ved Nasjonalt Senter for Gastroenterologisk Ultrasonografi, Nasjonal kompetansetjeneste for gastroenterologisk ultrasonografi , Haukeland University Hospital, March-June 2005.
- Internship, Tjeldsund County, spring 2002.
- Internship, Stokmarknes Hospital , 2001.

Education:

- PhD, Faculty of Medicine and Dentistry, University of Bergen, 2013
- Authorisation as medical doctor, 2002.
- Cand.med., Universitetet of Bergen, 2000.
- Student at Faculty of natural sciences, University of Bergen 93/94

Publications

ORIGINAL PAPERS

1. Sebastian Schäfer, Kim Nylund, Fredrik Sævik, Trond Engjom, Martin Mézl, Radovan Jiřík, Georg Dimcevski, Odd Helge Gilja, Klaus Tönnies. Semi-automatic motion compensation of contrast-enhanced ultrasound images from abdominal organs for perfusion analysis. Computers in Biology and Medicine, 2014

2. Fredrik Saevik, Kim Nylund, Trygve Hausken, Svein Ødegaard, Odd H Gilja. Bowel Perfusion Measured with Dynamic Contrast-enhanced Ultrasound Predicts Treatment Outcome in Patients with Crohn's Disease. *Inflammatory Bowel Diseases*, 2014.
3. 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*, s 1-4
4. Nylund K, Jirik K, Mezl M, Leh S, Hausken T, Pfeffer F, et al. Quantitative contrast-enhanced ultrasound comparison between inflammatory and fibrotic lesions in patients with Crohn's disease . *Ultrasound in Medicine and Biology*, 2013 Jul;39(7):1197-206. doi: 10.1016/j.ultrasmedbio.2013.01.020.
5. 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,"*Ultrasonics, Ferroelectrics and Frequency Control*, IEEE Transactions on", 60,2,310-319,2013,IEEE
6. Radovan Jirik, Kim Nylund, Torfinn Taxt, Martin Mezl, Trygve Hausken, Vratislav Harabis, Radim Kolar, Michal Standara, Odd H. Gilja. Parametric Ultrasound Perfusion Analysis Combining Bolus Tracking and Replenishment,Ultrasonics Symposium (IUS), 2012 IEEE International, Pp 1323-1326
7. 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 Gastroentero l*. 2012;5:195-201.doi: 10.2147/CEG.S31150. Epub 2012 Oct 2.
8. Bjørndal, Bodil, Grimstad, Tore, Cacabelos, Daniel, Nylund, Kim, Aasprong, Ole, Omdal, Roald, Portero-Otin, Manuel, Pamplona, Reinald, Lied, Gülen, Hausken, Trygve, Berge, Rolf, Tetradecylthioacetic Acid Attenuates Inflammation and Has Antioxidative Potential During Experimental Colitis in Rats, *Digestive Dis and Sci*,Issn: 0163-2116, pp 1-10, Doi: 10.1007/s10620-012-2321-2
9. K. Nylund, T. Hausken, S. Ødegaard, G. E. Eide, O. H. Gilja Gastrointestinal Wall Thickness Measured with Transabdominal Ultrasonography and Its Relationship to Demographic Factors in Healthy Subjects, , *Ultraschall in der Med*, EFirst, 13.03.2012.
10. Schäfer, Sebastian, Nylund K, Gilja OH, Tönnies KD, Motion compensation of ultrasonic perfusion images, 24.02.2012, *Proceedings of SPIE*, Vol 8320, DOI: 10.1117/12.911236.
11. Schäfer, Sebastian; Angelelli, Paolo; Nylund, Kim; Gilja, Odd Helge; Tönnies, 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
12. 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, 10.1016/j.cag.2010.12.005.
13. 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
14. 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
15. Nylund, Kim, Leh, Sabine, Immervoll, Heike, Matre, Knut, Skarstein, Arne, Hausken, Trygve, Gilja, Odd Helge, Birger Nesje, Lars and Ødegaard, Svein (2008) 'Crohn's disease: Comparison of in vitro ultrasonographic images and histology', *Scandinavian Journal of Gastroenterology*, 43:6, 719 — 726
16. 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

REVIEW

1. Kim Nylund, Trygve Hausken, Odd Helge Gilja, Ultrasound and Inflammatory Bowel Disease. *Ultrasound Quarterly*, 2010, Mar; 26 (1):3-15.
2. Erlend Fjell Nævdal, Kim Nylund, Odd Helge Gilja, Transabdominal ultrasonografi ved inflammatorisk tarmsykdom *Tidsskr Nor Legeforen* nr. 22, 2010; 130: 2230-4
3. 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; 15(11), 1319-1330

CASES

1. Kim Nylund, Odd Helge Gilja, A complication of Crohn's disease. Case of the month, April. 28.05.2013. <http://www.efsumb.org/asp/detail06.asp?ref=395&url=/case-month/case-archive.asp?ref=1>

POPULAR SCIENCE PAPERS

1. Nylund Kim, Gilja, Odd Helge, Hausken Trygve, Ødegaard Svein. Ultralyd av tarm. Nyhetsbrev i gastroenterologi fra Schering-Plough, nr 2 2009. <http://www.king.no/gastro2/ultralyd.html>
2. Kim Nylund og Odd Helge Gilja, Ultralyd av tynntarm, gastroskopet 2010
3. Helljesen L, Kotopoulos S, Nylund K, Viola I, Hausken T, Gilja OH. Klinisk bruk av 3D ultralyd. *Kirurgen* 2012;2:118-120.
4. Nylund K, Hausken T, Gilja OH. Ultralyd ved inflammatoriske tarmsykdommer. *Best Practice Gastroenterologi* 2012;1:12-15
5. Nylund K, Eriksen R, Sævik F, Hausken T, Gilja OH, Transabdominal ultralyddiagnostikk av tarmsykdommer, *Indremedisinen*, nr 3, 2013, s37-39.

BOOKS AND BOOK CHAPTERS

1. Kim Nylund, Odd Helge Gilja, Editors: Ultrasound in Gastroenterology-10Year Anniversary of National Centre for Ultrasound in Gastroenterology, Abstract book, December 2011. Publisher: NCUG, Department of Medicine, Haukeland University Hospital Bergen Norway. ISBN: 978-82-303-1950-5.
2. Kim Nylund, Odd Helge Gilja, Svein Ødegaard, Editors: Abdominal Ultrasound – Focus on CEUS and EUS, Abstract book for Euroson School June 2010, Bergen, Norway, ISBN: 978-82-992634-2-9
3. Svein Ødegaard, Odd Helge Gilja, Trygve Hausken, Innføring i abdominal ultrasonografi. Kim Nylund, Odd Helge Gilja, Gastrointestinaltraktus, 69-80, Fagbokforlaget, Bergen, Norge
4. Svein Ødegaard, Odd Helge Gilja, Trygve Hausken, Innføring i abdominal ultrasonografi. Kim Nylund, Odd Helge Gilja, Kontrastforsterket ultrasonografi, 125-132, Fagbokforlaget, Bergen, Norge

ABSTRACTS/POSTERS

1. Odd Helge Gilja, Fredrik Sævik, Kim Nylund, Trygve Hausken, GI wall perfusjon one month after start of medication predicts treatment failure in patients with Crohn's disease, 2013/10/1, JOURNAL OF GASTROENTEROLOGY AND HEPATOLOGY
2. FE Sævik , K Nylund , T Hausken , F Pfeffer , OH Gilja, Separating inflammation from fibrosis in Crohn's patients measuring perfusion with contrast-enhanced ultrasound and Vuebox, *Ultraschall in Med* 2013; 34 - WS_SL7_03 DOI: 10.1055/s-0033-1354843
3. Sævik F, Nylund K, Hausken T, Pfeffer F, Gilja OH. Perfusion differences and interobserver variation measured with CEUS in patients with Crohn's disease with fibrosis and inflammation. In: Nortvedt R, Gilja OH. Eds. Abstract Book MedViz Conference 2013. 131-135. ISBN 978-82-998920-1-8.

4. Nylund K, Jirik R, Mezl M, Hausken T, Pfeffer F, Taxt T, Gilja OH. Absolute perfusion measurements in the gastrointestinal wall with contrast-enhanced ultrasound in patients with Crohn's disease. In: Nortvedt R, Gilja OH. Eds. Abstract Book MedViz Conference 2013. 123-125. ISBN 978-82-998920-1-8.
5. Helljesen L, Nylund K, Hausken T, Dimcevski G, Gilja OH. Contrast-enhanced ultrasound of focal liver lesions is promising when CT examinations are indeterminate. In: Nortvedt R, Gilja OH. Eds. Abstract Book MedViz Conference 2013. 115-117. ISBN 978-82-998920-1-8.
6. K. Nylund, R. Jirik, M. Mezl, T. Hausken, F. Pfeffer, T. Taxt, O.H. Gilja' PERFUSION DIFFERENCES MEASURED WITH CONTRAST-ENHANCED ULTRASOUND IN PATIENTS WITH CROHN'S DISEASE, UEGW, Amsterdam 22.-24 oktober 2012
7. K. Nylund, O.H. Gilja, F. Pfeffer, S. Ødegaard, T. Hausken, COMPARISON OF HIGH FREQUENCY AND CONTRAST ENHANCED ULTRASOUND IN PATIENTS RECEIVING SURGICAL AND MEDICAL TREATMENT FOR CROHN'S DISEASE. Madrid 22-24.april, 2012
8. L. Helljesen, K. Nylund, T. Hausken, G. Dimcevski, OH Gilja CEUS OF LIVER LESIONS IN PATIENTS REFERRED AFTER INCONCLUSIVE FINDINGS ON CT. Euroson 2012 22-24.04. Madrid, Spania.
9. L. Helljesen, K. Nylund, T. Hausken, G. Dimcevski, OH Gilja, CEUS AV LEVERLESJONER HOS PASIENTER HENVIST ETTER UKLARE FUNN PÅ CT, NFUD ultralydsymposium, Stavanger, April 2012
10. K Nylund, OH Gilja, F Pfeffer, T Hausken, Comparison of CEUS findings in patients receiving surgical or medical treatment for Crohn's disease, MEDVIZ conference, Bergen Norway, Abstract book. 17.01.2012.
11. Kim Nylund, Trygve Hausken, Svein Ødegaard, Odd Helge Gilja, Poster og abstract, GASTROINTESTINAL WALL THICKNESS AND DEMOGRAPHIC FACTORS IN HEALTHY SUBJECTS, UEGW 2011, Stockholm, Gut 2011; 60 Suppl. 3. A293
12. K. Nylund, T. Hausken, S. Ødegaard, O.H. Gilja, Gastrointestinal Wall Thickness Is Dependent on Weight and Age, *Ultrasound in Medicine & Biology, Volume 37, Issue 8, Supplement, August 2011, Page S89*
13. Tore Grimstad, Kim Nylund, Gülen Arslan Lied, Rolf Berge, Odd Helge Gilja, Trygve Hausken. Ultrasonografisk evaluering av DSS-indusert kolitt hos rotter og effekt av modifisert thia fettsyre. Årsmøte NGF, April 2011, Lillehammer.
14. Gülen Arslan Lied, Anne Marita Milde, Kim Nylund, Maja Mujic, Tore Grimstad, Trygve Hausken, Odd Helge Gilja, Sammenlikning mellom DSS- og TNBS-indusert kolitt hos rotter ved ultrasonografiske intestinale forandringer: En pilotstudie. Årsmøte NGF, April 2011, Lillehammer.
15. Kim Nylund, Trygve Hausken, Svein Ødegaard, Odd Helge Gilja, Poster, Veggtykkelse i GI traktus målt med transabdominal ultralyd hos friske frivillige, Medviz conference 2010, Bergen, Norge.
16. Nylund K, Leh S, Matre K, Skarstein A, Hausken T, Gilja OH, Immervoll H, Nesje LB, Ødegaard S. Muscularis mucosae, fibrosis and nodular lymphocyte aggregates in Crohn's disease - novel ultrasonographic findings in vitro. Euroson2005, september 2005, Geneve, Sveits. Publisert i abstract-bok s 54.
17. Nylund K, Leh S, Matre K, Skarstein A, Hausken T, Gilja OH, Immervoll H, Nesje LB, Ødegaard S. In vitro ultrasonografi av gastrointestinalkanalens vegg ved Crohn sykdom. Årsmøte for Norsk forening for ultralyd-diagnostikk, april 2005, Stavanger, Norge. Publisert i abstract-bok s 58.