

Yearly report 2019



Key numbers 2019: 31 international publications, 10 national scientific publications/guidelines, 20 posters, 18 international presentations, 15 national presentations/external lectures, 39 media coverages, 4 visits from international guest lecturers, 6 PhD defense committees as international member.

Key numbers 2018: 32 international publications, 11 national publications, 25 posters, 17 international presentations, 23 national presentations/external lectures, 22 media coverages, 7 visits from international guest lecturers.

Key numbers 2017: 39 international publications, 11 national publications, 30 posters, 44 oral presentations/external lectures, 13 media coverages, 6 visits from international guest lecturers

International publications:

- 1) Amundsen S, Øvrebø TG, Amble NMS, Poole AC, Nordeng H. Risk perception, beliefs about medicines and medical adherence among pregnant and breastfeeding women with migraine: findings from a cross-sectional study in Norway. *BMJ Open* 2019; 9(2): e026690.
- 2) Granas AG, Halvorsen KH, Wendelbo J, Johannessen Landmark C. Interdisciplinary medication review to improve pharmacotherapy for patients with intellectual disabilities. *Int J Clin Pharm* 2019; 41: 1516.
- 3) Björnsdóttir I, Granas AG, Bradley A, Norris PA. Systematic review of the use of simulated patient methodology in pharmacy practice research from 2006 to 2016. *Int J Pharm Pract* 2019; doi:10.1111/ijpp.12570.
- 4) Ceulemans M, Lupattelli A, Nordeng H, Odalovic M, Twigg M, Foulon V. Women's beliefs about medicines and adherence to pharmacotherapy in pregnancy: opportunities for community pharmacists? *Curr Pharm* 2019; doi: 10.2174/1381612825666190321110420.
- 5) Cohen JM, Wood ME, Hernández-Díaz S, Ystrom E, Nordeng H. Paternal antidepressant use as a negative control for maternal use: assessing familial confounding on gestational length and anxiety traits in offspring. *Int J Epidemiol* 2019; pii: dyz170.
- 6) Frank A, Lupattelli A, Matteson D, Meltzer HM, Nordeng H. Thyroid hormone replacement therapy patterns in pregnant women and perinatal outcomes in the offspring. *Pharmacoepidemiology drug safety*. 20 November 2019. <https://doi.org/10.1002/pds.4927>.
- 7) Frank AS, Lupattelli A, Brandlistuen RE, Nordeng H. Maternal thyroid hormone replacement therapy exposure and language and communication skills of offspring at 8 years of age. *JAMA Netw Open* 2019; 2(10): e1912424.
- 8) Gervin K, Salas LA, Bakulski KM, van Zelm MC, Koestler DC, Wiencke JK, Duijts L, Moll HA, Kelsey KT, Kobor MS, Lyle R, Christensen BC, Felix J, Jones MJ. Systematic evaluation and validation of reference and library selection methods for deconvolution of cord blood DNA methylation data. *Clin Epigenetics* 2019; 11, 19–15.
- 9) Gustavson K, Ask H, Ystrøm E, Stoltenberg C, Lipkin WI, Suren P, Håberg SE, Magnus P, Knudsen GP, Eilertsen EM, Bresnahan M, Aase H, Mjaaland S, Susser ES, Hornig M, Reichborn-Kjennerud T.

Maternal fever during pregnancy and offspring attention deficit hyperactivity disorder. *Scientific Reports* 2019; Volum 9:9519, 1-10.

10) Havnen GC, Truong MB, Do MH, Heitmann K, Holst L, Nordeng H. Women's perspectives on the management and consequences of hyperemesis gravidarum – a descriptive interview study. *Scand J Prim Health Care* 2019; 1:1-11.

11) Heiberg IH, Jacobsen BK, Balteskard L, Bramness JG, Naess O, Ystrom E, Reichborn-Kjennerud T, Hultman CM, Nesvag R, Høy A. Undiagnosed cardiovascular disease prior to cardiovascular death in individuals with severe mental illness. *Acta Psychiatr Scand* 2019.

12) Hjorth S, Bromley R, Ystrom E, Lupattelli A, Spigset O, Nordeng H. Use and validity of child neurodevelopment outcome measures in studies on prenatal exposure to psychotropic and analgesic medications - A systematic review. *PLoS One* 2019; 14(7): e0219778.

13) Kendler KS, Aggen SH, Gillespie N, Czajkowski NO, Ystrøm E, Reichborn-Kjennerud T. A twin study of cigarette and snus initiation and quantity of use in Norwegian adult twins. *Twin Research and Human Genetics* 2019; 22(2): 108-113.

14) Kendler, Kenneth S, Aggen, Steven H, Gillespie N, Krueger RF, Czajkowski NO, Ystrøm E, Reichborn-Kjennerud T. The structure of genetic and environmental influences on normative personality, abnormal personality traits, and personality disorder symptoms. *Psychological Medicine* 2019; 49(8): 1392-1399.

15) Lund IO, Moen Eilertsen E, Gjerde LC, Roysamb E, Wood M, Reichborn-Kjennerud T, Ystrom E. Is the association between maternal alcohol consumption in pregnancy and pre-school child behavioural and emotional problems causal? Multiple approaches for controlling unmeasured confounding. *Addiction* 2019.

16) Lund IO, Skurtveit S, Handal M, Bukten A, Torvik Fartein A, Ystrøm E, Burdzovic J. Association of constellations of parental risk with children's subsequent anxiety and depression: Findings from a HUNT survey and health registry study. *JAMA pediatrics* 2019; 173(3): 251-259.

17) Lupattelli A, Chambers CD, Bandoli G, Handal M, Skurtveit S, Nordeng H. Association of maternal use of benzodiazepines and z-hypnotics during pregnancy with motor and communication skills and attention-deficit/hyperactivity disorder symptoms in preschoolers. *JAMA Network Open. JAMA Netw Open* 2019; 5;2(4): e191435.

18) Lupattelli A, Wood M, Nordeng H. Analyzing missing data in medication in pregnancy research: methodological considerations to limit the risk of bias. *Clinical Therapeutics* November 2019 (In press).

19) McAdams TA, Hannigan LJ, Eilertsen EM, Gjerde LC, Reichborn-Kjennerud T, Eley TC, Rijdsdijk FV, Ystrom E. Is it time to reevaluate prenatal mental health? - Author's reply. *Lancet Psychiatry* 2019; 6(2): 93-4.

20) Narud B, Stenseth EB, Johannisson A, Myromslien FD, Gaustad AH, Wilson RC, Lyle R, Morrell J, Kommisrud E, Ahmad R. DNA methylation patterns vary in boar sperm cells with different levels of DNA fragmentation. *BMC Genomics* 2019; Volum 20.

21) Rickles NM, Fleming ML, Björnsdóttir I. Global research initiatives to understand the prescription drug misuse epidemic and ways to monitor and intervene. (Editorial). *Res Social Adm Pharm* 2019; 24. pii: S1551-7411(19)30526-1.

22) Rosenqvist MA, Sjolander A, Ystrom E, Larsson H, Reichborn-Kjennerud T. Adverse family life events during pregnancy and ADHD symptoms in five-year-old offspring. *J Child Psychol Psychiatry* 2019; 60(6): 665-75.

23) Rosenstrom T, Czajkowski NO, Ystrom E, Krueger RF, Aggen SH, Gillespie NA, Eilertsen E, Reichborn-Kjennerud T, Torvik FA. Genetically informative mediation modeling applied to stressors and personality-disorder traits in etiology of alcohol use disorder. *Behav Genet* 2019; 49(1): 11-23.

- 24) Sundbakk LM, Wood M, Gran JM, Nordeng H. Impact of prenatal exposure to benzodiazepines and z-hypnotics on behavioral problems at 5 years of age: A study from the Norwegian Mother and Child Cohort Study. *PLoS One* 2019; 6;14(6): e0217830.
- 25) Svensberg K, Nordeng H, Gaffari S, Faasse K, Horne R, Lupattelli A. Perceived sensitivity to medicines: a study among chronic medicine users in Norway. *Int J Clin Pharm* 2019;41(3):804-812.
- 26) Tauqeer F, Myhr K, Gopinathan U. Institutional barriers and enablers to implementing and complying with internationally accepted quality standards in the local pharmaceutical industry of Pakistan: a qualitative study. *Health Policy and Planning* 2019; 34(6): 440-449.
- 27) Torvik FA, Rosenstrom TH, Gustavson K, Ystrom E, Kendler KS, Bramness JG, Czajkowski N, Reichborn-Kjennerud T. Explaining the association between anxiety disorders and alcohol use disorder: A twin study. *Depress Anxiety* 2019; 36(6): 522-32.
- 28) Truong MB, Ngo E, Ariansen H, Tsuyuki RT, Nordeng H. Community pharmacist counseling in early pregnancy -Results from the SafeStart feasibility study. *PLoS One* 2019; 19;14(7): e0219424.
- 29) Trønnes JN, Wood M, Lupattelli A, Ystrom E, Nordeng H. Prenatal paracetamol exposure and neurodevelopmental outcomes in preschool-aged children. *Paediatr Perinat Epidemiol* 2019; Aug 25. doi: 10.1111/ppe.12568. [Epub ahead of print]
- 30) van Gelder MMHJ, Rog A, Bredie SJH, Kievit W, Nordeng H, van de Belt TH. Social media monitoring on the perceived safety of medication use during pregnancy: a case study from The Netherlands. *Br J Clin Pharmacol* 2019; doi: 10.1111/bcp.14083.
- 31) Waaseth M, Adan A, Røen IL, Eriksen K, Stanojevic T, Halvorsen KH, Garcia BH, Holst L, Ulshagen KM, Blix HS, Ariansen H, Nordeng H. Knowledge of antibiotics and antibiotic resistance among Norwegian pharmacy customers - a cross-sectional study. *BMC Public Health* 2019; 19(1): 66. doi: 10.1186/s12889-019-6409-x.

International text books:

- 1) Trovik J, Nordeng H, Vikanes Å. Hyperemesis gravidarum. In: EBCOG textbook.
- 2) Malm H, Nordeng H, Pedersen LH, Nörby U. Drugs during pregnancy and lactation. In: NFOG textbook 2019.
- 3) Almarsdóttir AB, Granas AG, Blondal AB. Chapter 3 - Clinical and social perspectives on pharmacy services, in clinical pharmacy education, practice and research. Thomas D, Editor. 2019, Elsevier. p. 31-40.

International conference abstracts:

Oral presentations:

1. Hedvig Nordeng. The SafeStart study. OTIS, June 2019.
2. Angela Lupattelli. Maternal use of serotonergic antidepressants during pregnancy and risk of ADHD diagnosis and symptoms in offspring. OTIS, June 2019.
3. Ingunn Björnsdóttir. Challenges to training in ethical competence — Case study: Norway. FIP, September 2019.
4. Kristina Gervin. Pharmacoeugenetics and child development. PharmaTox symposium, ENTIS, September 2019.
5. Hedvig Nordeng. Pharmacovigilance - a European regulatory perspective: the case of medication safety in pregnancy. NorPEN meeting, Århus, November 2019.
6. Sarah Hjorth. Prenatal exposure to NSAIDs and risk of ADHD diagnosis and symptoms: a follow-up study in the Norwegian Mother, Father and Child Cohort Study. Sarah Hjorth, Angela Lupattelli, Marte Handal, Olav Spigset, Eivind Ystrom, Hedvig Nordeng. NorPEN meeting, Århus, November 2019 (**Winner of pharmacoepi SLAM**).
7. Anders Huithfeldt. The effect of prenatal exposure to benzodiazepines and z-hypnotics on pregnancy length, birth weight and other perinatal outcomes. A prospective study with data from the Norwegian Mother, Father and Child Cohort and the Norwegian Medical Birth Registry. NorPEN meeting, Århus, November 2019.
8. Anette Jøsendal. How discrepancies in medication records affect the creation and trust in a shared electronic medication list in Norway. Scandinavian conference on health informatics, November 2019.
9. Eivind Ystrom. Does child and adult ADHD have the same genetic risk factors? In symposium "The role of parents in the development of emotional and behavioral problems in their children: Genetically informative approaches from conception through childhood". International Convention of Psychological Science (ICPS) – Paris 2019.

Other international presentations:

10. Nordeng H. Challenges measuring long-term neurodevelopmental outcomes in perinatal pharmacoepidemiological studies. PharmaTox QLS symposium, Holmen fjordhotell, Asker, 9 September 2019.
11. Lupattelli A. Risk of diagnosis and symptoms of attention deficit hyperactivity disorder in children after prenatal exposure to serotonergic antidepressants, PharmaTox QLS symposium, Holmen fjordhotell, Asker, 9 September 2019.
12. Gervin K. Pharmacoeugenetics: Longterm exposure to paracetamol, DNA metylation among children with ADHD. PharmaTox QLS symposium, Holmen fjordhotell, Asker, 9 September 2019.
13. Ystrøm E. Neurodevelopmental disorders –it it the genes or the environment? PharmaTox QLS symposium, Holmen fjordhotell, Asker, 9 September 2019.
13. Nordeng H. Perinatal pharmacovigilance - controversial topics and clinical perspectives. Strategic review and learning meeting of CHMP – PRAC, Helsinki, Finland, 21 October 2019.
14. Nordeng H. Issues related to researching drug use in pregnancy and lactation. In: Session:1. Safe use of medicines during pregnancy and lactation. 2019 PRAC Assessors' training, 11 November 2019.
15. Nordeng H. Perinatal pharmacoepidemiology – knowledge gaps, controversial topics and methodological challenges. Leuven University, Leuven, Belgium, 5 November 2019.
16. Lupattelli A. Safety of prenatal exposure to psychotropic medications: insights from neurodevelopmental research in children. Leuven University, Leuven, Belgium, 5 November 2019.

17. Björnsdóttir I. Siðfræðikennsla og þjálfun lyfjafræðinema við Óslóarháskóla (Teachings and training of ethics to pharmacy students at the University of Oslo). The Icelandic Pharmaceutical Society's Day of the Pharmacy in Reykjavík, November 2019.
18. Björnsdóttir I, Lech LVJ (facilitators), other authors: Nørgaard LS, Tiihonen M, Almarsdóttir AB, Rognan SE, Laaksonen RA, Pohjanoksa MK. Integrating the patient perspective in formulation research. Workshop 5. Social Pharmacy. 9th Nordic Social Pharmacy and Health Services Research Conference, June 2019.

Poster presentations:

1. Human embryonic stem cells as a model for paracetamol-induced epigenetic dysregulation and neurotoxicity. Mari Spildrejorde, Martin Falck, Athina Samara, Magnus Leithaug, Hedvig Nordeng, Kristina Gervin, Ragnhild Eskeland, Robert Lyle. Røros meeting, March 2019.
2. Human embryonic stem cells as a model for paracetamol-induced epigenetic deregulation and neurotoxicity. Mari Spildrejorde, Martin Falck, Athina Samara, Magnus Leithaug, Hedvig Nordeng, Kristina Gervin, Ragnhild Eskeland, Robert Lyle. Epigenetics and Human Disease Keystone conference, March 2019.
3. The use of z-hypnotics in the nursing home patients: a five-year longitudinal study. Kjell H Halvorsen, Anne Gerd Granås. NSPC, 9th Nordic Social Pharmacy and Health Services Research Conference, June 2019.
4. Medication errors in hospitalized patients in Norway: findings from the National Incident Reporting system. Alma Mulac, Ellen Hagesæther, Katja Taxis, Anne Gerd Granås. NSPC, 9th Nordic Social Pharmacy and Health Services Research Conference, June 2019.
5. Pharmacist interventions on multidose drugs dispensing prescriptions. Anette Vik Jøsendal, Trine Bergmo, Anne Gerd Granås. NSPC, 9th Nordic Social Pharmacy and Health Services Research Conference, June 2019.
6. Social media monitoring on the safety of medication use during pregnancy: A case study from the Netherlands. Marleen M.H.J. van Gelder, Annemarije Rog, Sebastian J.H. Bredie, Wietske Kievit, Hedvig Nordeng, Tom H. van de Belt. ISPE, August 2019.
7. Risk of attention deficit hyperactivity disorder in childhood after exposure to serotonergic antidepressants in pregnancy - Angela Lupattelli, Milada Mahic, Marte Handal, Eivind Ystrom, Ted Reichborn-Kjennerud, Hedvig Nordeng. ISPE, August 2019.
8. In utero opioid exposure and risk of infections in childhood: a multinational Nordic registry study. Milada Mahic, Sonia Hernandez-Diaz, Mollie Wood, Helle Kieler, Ingvild Odsbu, Mette Nørgaard, Buket Öztürk, Brian Bateman, Vidar Hjellvik, Svetlana Skurtveit, Marte Handal. ISPE, August 2019.
9. Counseling women in early pregnancy and development of an app measuring NVP- The SafeStart study. Hilde Ariansen, Maria Bich-Thuy Truong, Elin Ngo, Hedvig Marie Egeland Nordeng. FIP, September 2019.
10. Transfer of triptans to breast milk. Siri Amundsen, Olav Spigset, Hedvig Nordeng. ENTIS, September 2019.
11. The course of chronic and non-chronic headaches during pregnancy. A population based prospective study. The Akershus Birth Cohort - ABC study. Christofer Lundqvist, Michael Russell, Hedvig Nordeng, Malin Eberhard-Gran. International headache Society in Dublin, September 2019.
12. Drug use and Drug Burden Index in community-dwelling older adults acutely admitted to hospital. A Norwegian registry study. Kjerstin Havnes, Frode Skjold, Kristian Svendsen, Beate H. Garcia, Anne Gerd Granås, Jeanette S. Johansen, Danijela Gnjidic, Sarah N. Hilmer, Timothy F. Chen, Kjell H. Halvorsen. Australian Association of Gerontology Annual Conference, Sydney, Australia, 5 - 8 November 2019.

13. Pharmacy cost of preventing adverse drug events by pharmacists' interventions on prescribing errors. Eirin Guldsten Robinson, Hanne Gyllensten, Janne Smedberg, Ingunn Björnsdóttir. ISPOR conference, Copenhagen November 2019.

Conference proceedings

1. Jøsendal AV, Bergmo TS. How discrepancies in medication records affect the creation and trust in a shared electronic medication list in Norway. In SHI 2019. Proceedings of the 17th Scandinavian Conference on Health Informatics, November 12-13, 2019, Oslo, Norway (No. 161, pp. 18-23). Linköping University Electronic Press.
2. Bergmo TS, Jøsendal AV, Johnsen E. Factors easing the transition from paper to electronic prescribing of multidose dispensed drugs (MDD). In SHI 2019. Proceedings of the 17th Scandinavian Conference on Health Informatics, November 12-13, 2019, Oslo, Norway (No. 161, pp. 1-6). Linköping University Electronic Press.

Other international commitments

Guest lecturers:

- ✓ Sally Rafie, Pharm D. UC San Diego Health, San Diego, California. Sally held two lectures May 7th and 8th with the support of NFIF funding. 1) Digital revolution in medicines management. One-day seminar in collaboration with Sykehusapotekene HF. 2) Making the case for direct access to contraception in pharmacies, in collaboration with OsloMet.
- ✓ Merete Schmiegelow. Patient engagement in medicines - R&D and entire life cycles. Honorary Ambassador in Regulatory Science at the University of Copenhagen.
- ✓ Prof. Robert Platt, Department of Epidemiology, Biostatistics, and Occupational Health, McGill University, Canada, gave a guest lecture on 'Methodological challenges in perinatal pharmacoepidemiology', September 12th 2019.
- ✓ Luke E Grzeskowiak, NHMRC Early Career Postdoctoral Research Fellow, University of Adelaide, presented his research projects on pharmacotherapeutics and perinatal and neonatal care, October 14th 2019.

PhD-assessments:

H Nordeng:

- ✓ Ditte Mølgaard-Nielsen. Real-world evidence on the safety and effectiveness of drugs and vaccines in pregnancy. University of Copenhagen, Denmark, February 5th 2019.
- ✓ Michael Ceulmans. Medication use during preconception, pregnancy and lactation - towards safe and rational use enhanced by community pharmacists' counselling. Doctor in Pharmaceutical Sciences. University of Leuven, Belgium, November 2019.

Angela Lupattelli:

- ✓ Richelle Vlenterie. Depressive symptoms during pregnancy: exposure assessment and perinatal outcomes. Radboud Universiteit Nijmegen, The Netherlands, November 22nd 2019.

AG Granås:

- ✓ Line Due Christensen. Drug use among older adults - an understanding of drug prescribing to older adults. University of Copenhagen, Denmark, April 4th 2019.
- ✓ Natali Jekanovic. Understanding, investigating and addressing polypharmacy in residential aged care facilities. Monash University, Australia, January 21st 2019.
- ✓ Bram Mertens. Multidose drug dispensing: for older patients in primary care. University of Utrecht, Netherlands, July 3rd 2019.

INTERNATIONAL SCIENTIFIC COMMITTEE MEMBER

- 1) Hedvig Nordeng, Angela Lupattelli. ENTIS conference, Oslo 2019.
- 2) Ingunn Björnsdóttir, Committee member Nordic Social Pharmacy Congress Copenhagen/Hillerød 2019.

National contributions:

National publications:

1. Anette Jøsendal Vik. Er dette en snikinnføring av alle barn i en nasjonal DNA-bank? Kronikk Aftenposten, 3. februar 2019. <https://www.aftenposten.no/meninger/debatt/i/4dpWm6/Er-dette-en-snikinnforing-av-alle-barn-i-en-nasjonal-DNA-bank--Anette-Vik-Josendal>
2. Ingunn Björnsdóttir (editor). A national publication in Iceland: Tímarit um lyfjafræði, 2019:54(1). The Icelandic Pharmacy Journal.
3. Ingunn Björnsdóttir. Tímarit um Lyfjafræði, Editor, and wrote 5 reports from conferences and meetings in the March 2019 issue. <https://lfi.is/index.php/lyfjafraedingafelagid/timarit-um-lyfjafraedi/25-timarit-um-lyfjafraedi/572-timarit-um-lyfjafraedhi-1-tbl-2019>
4. Ingunn Björnsdóttir. Research in Social and Administrative Pharmacy. One of 3 guest editors of a themed issue: <https://www.sciencedirect.com/science/article/pii/S1551741119306229>

National guidelines:

- 1) Hedvig Nordeng. Medication use among breast milk donors. In: National Guidelines for Breast Milk Bank. Anne Grøvslien (ed.) 2019.
- 2) Hedvig Nordeng, Marte Jettestad, Vasilis Sitras. Kapittel 3a Legemiddelbruk i svangerskapet og ammeperioden. Fødselsveilederen, 2019.
- 3) Vasilis Sitras, Marte Jettestad, Hedvig Nordeng. Kapittel 3b Vaksiner i svangerskap og ammeperiode. Fødselsveilederen, 2019.
- 4) Marte Jettestad, Jorid Eide, Hedvig Nordeng. Kapittel 3c Alkohol, røyking, og rusmiddel/legemiddelmisbruk. Fødselsveilederen, 2019.
- 5) Hedvig Nordeng, et al Kap. 30 Mental helse i svangerskapet, Fødselsveilederen, 2019.
- 6) Åse Vikanes, Hedvig Nordeng, Johan Edvard, Sølvi Lomslund, Ingvild Tjessem, Jone Trovik. Kap. 30 Emesis og hyperemesis gravidarum. Fødselsveilederen, 2019.
- 7) Hedvig Nordeng, Solveig Thorp Holmsen. Mastitt. I: Nasjonale retningslinjer for antibiotikabehandling i primærhelsetjenesten, 2019.
- 8) Hedvig Nordeng, Solveig Thorp Holmsen. Graviditet og amming. I: Nasjonale retningslinjer for antibiotikabehandling i primærhelsetjenesten, 2019.
- 9) Hedvig Nordeng, Graviditet og amming. I: Nasjonale retningslinjer for antibiotikabehandling i spesialisthelsetjenesten, 2019.

Other written material, Norwegian

10) MorBarn brosjyrer:

- a. Tett nese – revidert
- b. Forkjølelse hos gravide – ny
- c. Jern og gravide – ny
- d. Kosttilskudd hos barn - revidert

Nasjonale poster presentasjoner

1. Maria Bich-Thuy/Elin Ngo. Pharmacist counseling in early pregnancy and the development of a patient-centered mobile application for NVP - the SafeStart and MySafeStart Study. Maria Bich-Thuy, Elin Ngo, Hilde Ariansen, Hedvig Nordeng H. NFIF, May 2019. (Winner of the poster prize)
2. Lene Sundbakk. Prenatal exposure to benzodiazepines and z-hypnotics and risk of ADHD in childhood: Results from the Norwegian Mother and Child Cohort Study. Lene Maria Sundbakk, Mollie Wood, Jon Michael Gran, Marte Handal, Svetlana Skurtveit, Hedvig Nordeng. NFIF, May 2019.
3. Alma Mulac. Medication errors in hospitalized patients in Norway: findings from the National Incident Reporting System. Alma Mulac, Elle Hagesæther, Katja Taxis, Anne Gerd Granås. NFIF, May 2019.
4. Kjerstin Havnes. Observing clinical pharmacists in the IMMENSE-study. Thorough work or hours to waste, time for care or always haste? Kjerstin Havnes, Elin Lehnbo, Scott Walter, Beate H. Garcia, Kjell Halvorsen. NFIF, May 2019.
5. Vedrana Rosic, Janne Smedberg, Ingunn Björnsdóttir. Er det variasjon i tjenestefarmasøytens bedømmelse av inhalasjonsteknikk? Farmasidagene, November 2019.
6. Aleksandar Komnenic, Eirin Guldsten Robinson, Ingunn Björnsdóttir. Farmasidagene, November 2019.
7. Ingunn Björnsdóttir, Anne Gerd Granås, Amanda Bradley, Pauline Norris. Bruk av «ukjent kunde» i apotekforskning på primærapotek i verden, 2006-2016. Farmasidagene, November 2019.

External oral presentations, Norway:

- 1) H Nordeng. Medikamentell behandling av migrene under svangerskap og amming. Fagmøte for Nevrologer/ migrenespesialister. Gardemoen, 25. mars 2019.
- 2) H Nordeng. Building an ecosystem for better monitoring and communicating safety of medicines use in pregnancy and breastfeeding. The ConcePTION consortium. Drug Norway Spring meeting, 25. april 2019.
- 3) H Nordeng. Rådgivning til gravide og ammende -egenbehandling ved halsbrann og forstoppelse. Apotek 1 Fagdag om magehelse, 24. mai 2019.
- 4) H Nordeng. MinSafeStart – Kan en app gi bedre behandling mot svangerskapskvalme? Teknologi for bedre helse: innovasjon og innbyggerstyring. Arendalsuka 2019.
- 5) AG Granås. Writing up your PhD thesis – structure, content and enthusiasm. NFIF annual meeting, 28. mai 2019.
- 6) AG Granås. Moro med media? «Ja, tenke det; ønske det; ville det med; – men gjøre det! Nei; det skjønner jeg ikke.» (Peer, tredje akt.) Medlemsmøte NFF-O, 6. juni 2019.
- 7) AG Granås. Uaktuelle og doble resepter i reseptformidleren: Hvem skal «rydde»? Dagsseminar om «Legemiddelhåndtering og den digitale revolusjon». 7. mai 2019.
- 8) AG Granås. Leder av paneldebatt: Vil den digitale revolusjonen gi bedret pasientsikkerhet. Dagsseminar om «Legemiddelhåndtering og den digitale revolusjon». 7. mai 2019.
- 9) AG Granås. Eldre og legemidler – er det så vanskelig da? Frokostmøte i regi av Apotekforeningen. 6. februar 2019.
- 10) AG Granås. When do medicines do more harm than good? -Deprescribing of medicines in elderly patients. American Women society, Oslo. January 8th 2019.
- 11) AG Granås. Legemidler og diabetes. Bruerkurs ved Frisklivssentralen i Ås kommune. 12. november 2019.
- 12) A Lupattelli. How to attract funding. Seminar by the Faculty of Mathematics and Natural Sciences, UiO. December 6 th 2019.
- 13) AV Jøsendal. Multidose og overgang til e-multidose. Dagsseminar om «Legemiddelhåndtering og den digitale revolusjon». 7.mai 2019.
- 14) AV Jøsendal. Multidose i et apotekperspektiv. Utfordringer, muligheter og nasjonale faglige råd. Pasientsikkerhetskonferansen, Helsedirektoratet, september 2019.
- 15) M Bich-Thuy Truong, E Ngo. Nettprat for altformamma.no. Januar 2019.

NATIONAL SCIENTIFIC COMMITTEE MEMBER

- 1) Anne Gerd Granås. Committee member of program board for the Pecha Kucha section, "Farmasidagene", Oslo, 2019.
- 2) Elin Ngo. Committee member of program board for the Pecha Kucha section, "Farmasidagene", Oslo, 2019.
- 3) Maria Bich-Thuy Truong. Committee member of program board for the Pecha Kucha section, "Farmasidagene", Oslo, 2019.
- 4) Elin Ngo. The program board for the Department of Pharmacy, 2019.

Media and interview

- 1) Intervju av Anne Gerd Granås. NRK: Samme feil skjer om og om igjen på norske sykehus. Vi er svært bekymret. Mars 2019. [https://www.nrk.no/hordaland/professor-ut-mot-helseministeren - -vismister-muligheten-til-a-laere-av-sykehusfeil-1.14482690](https://www.nrk.no/hordaland/professor-ut-mot-helseministeren--vismister-muligheten-til-a-laere-av-sykehusfeil-1.14482690)
- 2) Intervju av Anne Gerd Granås. [Kommentar på radio om læring av feil og nedlegging av meldeordningen.](#)
- 3) Intervju med Anne Gerd Granås. [Farmasiutdanning i vinden på Universitetet i Oslo.](#)
- 4) Intervju av Anne Gerd Granås. [Anne Gerd Granås er Årets farmasøyt 2019.](#) Norsk Farmasøytisk tidsskrift.
- 5) Intervju av Anne Gerd Granås. Årets farmasøyt: [Nysgjerrig på møtet mellom menneske og medisin.](#)
- 6) Intervju med Selamawit Seid Nega/Hedvig Nordeng. Titan: [Widespread and maybe risky use of herbal medicines among pregnant women in Ethiopia.](#) Mars 2019.
- 7) Intervju med Selamawit Seid Nega/Hedvig Nordeng. Alpha Galileo: Widespread and maybe risky use of herbal medicines among pregnant women in Ethiopia. Mars 2019. <https://www.alphagalileo.org/en-gb/Item-Display/ItemId/176347>
- 8) Intervju med Angela Lupattelli. Titan: [Beroligende funn etter angst- og sovemedisinbruk hos gravide.](#) April 2019.
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