

Årsrapport PharmaSafe 2015

Key numbers: 18 scientific publications, 18 posters, 18 oral presentations/external lectures, 16 media coverages

International publications

1. Amundsen S, **Nordeng H**, Nezvalova-Henriksen K, Stovner L.J, Spigset O. «Pharmacological treatment of migraine during pregnancy and breastfeeding» *Nature Reviews Neurology* 2015; Vol. 11(4), p. 209-19
2. Bérard A, Sheehy O, Zhao J.P, **Nordeng H**. "Use of macrolides during pregnancy and the risk of birth defects: a population-based study." *Pharmacoepidemiology and Drug Safety* 2015; Oct 29. Doi: 10.1002/pds.3900.
3. **Brandlistuen R.E**, **Ystrøm E.**, Eberhard-Gran M, Nulman I, Koren G, **Nordeng H**. «Behavioral effects of fetal antidepressant exposure in a Norwegian cohort of discordant siblings» *International Journal of Epidemiology* 2015; Vol. 44(4), p. 1397-1407
4. **Brandlistuen R.E**, **Ystrøm E**, Nulman I, Koren G, **Nordeng H**. «Response to «Pregnancy and Paracetamol: Methodological Considerations on the Study of Associations between In Utero Exposure to Drugs and Childhood Neurodevelopment» *Basic & Clinical Pharmacology & Toxicology* 2015; Vol. 116(1), p. 6- 8
5. Hämeen-Anttila K, Kokki E, **Lupattelli A**, **Nordeng H.**, Jyrkka J., Vainio K., Enlund H. «Factors associated with the need for information about medicines among pregnant women - A multinational internet-based survey» *Research in Social and Administrative Pharmacy* 2015; Vol. 11(2), p. 297-302
6. Heitmann K, Holst L, **Lupattelli A**, Maltepe C, **Nordeng H**. «Treatment of nausea in pregnancy: a cross-sectional multinational web-based study of pregnant women and new mothers». *BMC Pregnancy and Childbirth* 2015; 15: 321. Doi: 10.1186/s12884-015-0746-2
7. **Lupattelli A**, Spigset O, **Björnsdóttir I**, Hämeen-Anttila K, Mårdby A.C, Panchaud A, Juraski R.G, Rudolf G, Odalovic M, Drozd M, Twigg M.J, Juch H, Moretti M.E, Kennedy D, Rieutord A, Zagorodnikova K, Passier A, **Nordeng H**. «Patterns and factors associated with low adherence to psychotropic medications during pregnancy-a cross-sectional, multinational web-based study» *Depression and Anxiety*, 2015 Vol. 32(6), p. 426-36.
8. **Lupattelli A**, Spigset O, Torgersen L, Reichborn-Kjennerud T, Bulik C, **Nordeng H**. «Medication use before, during and after pregnancy among women with eating disorders: a study from the Norwegian Mother and Child cohort study» *PLoS One* 2015; Vol. 10(7): e0133045. doi: 10.1371/journal.pone.
9. Nergard C.S, Ho T.P.T, Diallo D, Ballo N, Smestad Paulsen B, **Nordeng H**. "Attitude and use of medicinal plants during pregnancy among 209 women in three regions of Mali, West-Africa" *Journal of Ethnobiology and Ethnomedicine* 2015;11:73. DOI: 10.1186/s13002-015-0057-8
10. Odalovic M, Tadic I, Lakic D, **Nordeng H**, **Lupattelli A**, Tasic L. «Translation and factor analysis of structural models of Edinburgh Postnatal Depression Scale in Serbian pregnant and postpartum women - Web-based study» *Women Birth* 2015; Vol. 28(3);e31-5. doi: 10.1016/j.wombi.2015.01.014. Epub 2015 Mar 3.

11. Petersen I, McCrea R.L, **Lupattelli A, Nordeng H.** «Women's perception of risks of adverse fetal pregnancy outcomes: a large-scale multinational survey» *BMJ Open* 2015;5:e007390 doi:10.1136/bmjopen-2014-007390.
12. **Smedberg J, Lupattelli A,** Mårdby A.C, Øverland S, **Nordeng H.** «The relationship between maternal depression and smoking cessation during pregnancy—a cross-sectional study of pregnant women from 15 European countries» *Archives of Women's Mental Health* 2015; Vol. 18(1) p. 73-84.
13. **Svensberg K,** Sporrang Källemark S, **Björnsdóttir I.** «A review of countries' pharmacist-patient communication legal requirements on prescription medications and alignment with practice» *Research in Social and Administrative Pharmacy* 2015; Vol. 11. (6), p. 784–802
14. **Svensberg K, Björnsdóttir I,** Sporrang Källemark S, “Comparison of Nordic countries. Legal cognitive requirements impact on pharmacy practice and patient outcomes”. *Research in Social and Administrative Pharmacy* 2015, Vol.11. (4), p. 590-591.
15. **Wood M.E,** Frazier J.A, **Nordeng H,** Lapane K.L. “Prenatal triptan exposure and parent-reported early childhood neurodevelopmental outcomes: an application of propensity score calibration to adjust for unmeasured confounding by migraine severity” *Pharmacoepidemiology and Drug Safety*, *In press*, first published online 11.11.2015, DOI: 10.1002/pds.3902
16. **Wood M.E,** Lapane K, Frazier J.A, **Ystrom E,** Mick E.O, **Nordeng H.** “Prenatal Triptan Exposure and Internalising and Externalising Behaviour Problems in 3-Year-Old Children: Results from the Norwegian Mother and Child Cohort Study”. *Paediatric and Perinatal Epidemiology*, *In press*, first published online 03.11.2015 DOI: 10.1111/ppe.12253

National publications

17. Amundsen S, Poole A.C.B, Spigset O, **Nordeng H.** “Farmakologisk behandling av migrene”. *Norsk Farmaceutisk Tidsskrift* 2015; 11
18. Havnen C, Thorp Holmsen S, **Nordeng H.** “Valg av antidepressiva til ammende”. *Utposten* 2015; 4: 45.

Posters

1. **Björnsdottir I**, Adolfsson O. "Prescription registry reliability and responsible use, - a case from Iceland". 75th FIP World Congress of Pharmacy and Pharmaceutical Sciences, 29.09-03.10, Düsseldorf, Germany
2. **Björnsdottir I**, Adolfsson O. "Kvalitetssikring av reseptregister - en case fra Island". Farmasidagene, 05.11-06.11 2015, Oslo, Norway
3. **Björnsdottir I**, Adolfsson O. "Prescription registry quality responsibilities - a case from Iceland". The 7th Nordic Meeting in Epidemiology and Registry-Based Health Research, 21.09-23.09 2015, Oslo Norway. Abstract In: Norsk Epidemiologi, Supplement, 2015, 25, s 127.
4. **Brandlistuen R.E**, Ulriksen R, Ask H, Evensen L.A, Schjølberg S, Wang M.V, Aase H. "Pre- and Postnatal Paracetamol Exposure and Child Language Impairment". 17th European Conference on Developmental Psychology; 8.09-12.09.2015, Braga, Portugal.
5. **Bråthen M**, **Sætre Waka M**, Flem Jacobsen A, Gjerdalen G, Rosenberg M, **Nordeng H**. "Drug-related problems among pregnant and lactating women – a multi-center study from maternity wards in Norway". Clinical Pharmacy Congress, London, April 2015.
6. Havnen GC, Huynh Do M-L, Heitmann K, Holst L, **Nordeng H**. "Suffering of hyperemesis gravidarum in norway - the experience of 143 affected women". First World Colloquium on Hyperemesis. Bergen, 2015.
7. Hamza A, **Svensberg K**, **Björnsdottir I**. "Sammenligning av legemidlers pris og refusjon i Irak og Norge". Farmasidagene, 05.11-06.11 2015, Oslo, Norway
8. Hamza A, **Svensberg K**, **Björnsdottir I**. "Comparing pricing and reimbursement of pharmaceuticals in Iraq and Norway". 75th FIP World Congress of Pharmacy and Pharmaceutical Sciences, 29.09-03.10, Düsseldorf, Germany
9. Havnen GC, Huynh Do M-L, **Nordeng H**. «Hvordan er det å ha ekstrem svangerskapskvalme i Norge? - Pasienterfaringer til 143 kvinner.» Farmasidagene, 05.11-06.11 2015, Oslo, Norway.
10. Juch H, **Lupattelli A**, Verheyen S, **Ystrom E**, **Nordeng H**. "Hypothyroidism and medication adherence in pregnancy - a cross-sectional, multinational web-based study". European Network of Teratology Information Services, 25th ENTIS Meeting 2015, 18.09.-20.09.2015, Prague, Czech Republic
11. **Lupattelli A**, Spigset A, Torgersen L, **Nordeng H**. "Medication use before, during, and after pregnancy among women with eating disorders: a study from the Norwegian Mother and Child Cohort Study". PhD Day, Faculty of Mathematics and Natural Sciences and the Science Library, Univeristy of Oslo. 05.06.2015, Oslo, Norway
12. **Nordeng H**, Gervin K, Lyle R. "Medications during pregnancy: effects on neurodevelopmental disorders in childhood and epigenetic outcomes.". European Network of Teratology Information Services, 25th ENTIS Meeting 2015, 18.09.-20.09.2015, Prauge, Czech Republic.
13. Solheimsnes A, Heitmann K, Havnen GC, **Nordeng H**, Holst L. "Emesis gravidarum; norwegian women's perspective on the health care provided." First World Colloquium on Hyperemesis. Bergen, 2015.
14. **Svensberg K**, Sporrang Källemark S, **Björnsdottir I**. "A review of countries' pharmacist-patient communication legal requirements on prescription medications and

alignment with practice". The seventh Nordic Social Pharmacy and Health Research Conference; 03.06-05.06.2015, Tartu, Estonia

15. **Svensberg K**, Sporrang Källemark S, **Björnsdottir I**. "Legal cognitive requirements impact on pharmacy practice and patient outcomes". The seventh Nordic Social Pharmacy and Health Research Conference; 03.06-05.06.2015, Tartu, Estonia
16. **Svensberg K**, Sporrang Källemark S, **Björnsdottir I**. "A review of countries' pharmacist-patient communication legal requirements on prescription medications and alignment with practice". The National PhD School of Pharmacy's annual PhD Conference; 28.04-29.04, 2015, Oslo, Norway
17. **Wood M**, Lapane K, Frazier J, Nordeng H. Changes in behavioral outcomes between 18 and 36 months in children with prenatal triptan exposure. The 31st International Conference on Pharmacoepidemiology & Therapeutic Risk Management, 22.08-26.08.2015, Boston, USA.
18. **Wood M**, Kennedy D, Lapane K, Frazier J. Prenatal acetaminophen exposure and cortical thickness in a cohort of typically-developing children. The 31st International Conference on Pharmacoepidemiology & Therapeutic Risk Management, 22.08-26.08.2015, Boston, USA

Oral presentations at conferences

1. **Björnsdottir I**, Halvorsen, K, Holst, L. "Traineeship in pharmacy - main aim and other advantages". NSPC&NNGCP Nordic Social Pharmacy Conference & the Nordic Networking Group for Clinical Pharmacy, 03.06-05.06 2015, Tartu, Estonia.
2. **Brandlistuen R.E**, Ystrøm E, Eberhard-Gran M, Nulman I, Koren G, Nordeng H. "Behavioral effects of fetal antidepressant exposure in a Norwegian cohort of discordant siblings". The 31st International Conference on Pharmacoepidemiology & Therapeutic Risk Management, 22.08.-26.08.2015, Boston, USA
3. Gervin K, Nordeng H, Lyle R. Use of paracetamol during pregnancy: adverse epigenetic side-effects and development of ADHD. The Epigenomics of Common Diseaseconference, 6-9 November 2015. Wellcome Genome Campus, Cambridge, UK
4. **Lupattelli A**, "Patterns and factors associated with perinatal depressive symptomatology: results from a multinational study". Nordic Marcé Conference: Psykisk helse i perinatalperioden - fokus på mor, far og barn, Oslo, Norway, 7-8 September 2015.
5. **Lupattelli A**, "Risk of preeclampsia after use of antidepressants in pregnancy: a study from the Norwegian Mother and Child Cohort Study". ENTIS Meeting. Linz, Prague, Czech Republic, 18-21 September 2015
6. **Lupattelli A**, "Risk of preeclampsia after use of antidepressants in pregnancy: a study from the Norwegian Mother and Child Cohort Study". NordicEpi 2015 conference, Oslo, Norway, 21-23 September 2015.
7. **Lupattelli A**, "Patterns and factors associated with low adherence to psychotropic medications during pregnancy-a cross-sectional, multinational web-based study". ISPE Mid-Year meeting, Bordeaux, France, April 12-14, 2015.
8. **Wood ME**, Lapane KL Frazier JA, **Nordeng HME**. Prenatal exposure to triptan medications and neurodevelopment in children: an application propensity score

calibration methods for unmeasured confounding. ISPE Mid-Year meeting, Bordeaux, France, April 12-14, 2015.

9. **Wood M. E**, Lapane K, Frazier J. A, **Ystrom E**, Mick E.O, **Nordeng H**. "Prenatal triptan exposure increases externalizing behaviors at three years: results from the Norwegian Mother and Child Cohort Study" SPER annual meeting, Denver June 2015.
10. **Nezvalova-Henriksen K**. "Effect Of Selective Serotonin Reuptake Inhibitor (SSRI) Exposure During Pregnancy On Birth Weight And Gestational Age: A Sibling-Controlled Cohort Study". The 31st International Conference on Pharmacoepidemiology & Therapeutic Risk Management, 22.08.-26.08.2015, Boston, USA
11. **Nezvalova-Henriksen K**, Spigset O, Wood M.E, Nordeng H. "The effect of prenatal nonsteroidal anti-inflammatory drug (NSAID) exposure on immediate pregnancy outcomes – a sibling controlled cohort study". European Network of Teratology Information Services, 25th ENTIS Meeting 2015, 18.09.-20.09.2015, Prauge, Czech Republic. Abstract in: Reproductive Toxicology 2015.
12. **Nezvalova-Henriksen K**, Spigset O, Brandlistuen R.E, Ystrøm E, Koren G, Nordeng H. "Effect Of Selective Serotonin Reuptake Inhibitor (SSRI) Exposure During Pregnancy On Birth Weight And Gestational Age: A Sibling-Controlled Cohort Study". The 31st International Conference on Pharmacoepidemiology & Therapeutic Risk Management , 22.08-26.08.2015, Boston, USA
13. **Nordeng H**. Effects of Medication Use in Pregnancy on Infant Neurodevelopment. The DrugsInPregnancy project. European Network of Teratology Information Services, 25th ENTIS Meeting 2015, 18.09.-20.09.2015, Prauge, Czech Republic.
14. **Nordeng H**. "Behavioral Effects of Fetal Antidepressant Exposure in a Norwegian Cohort of Discordant Siblings". Nordic Marcé Conference: Psykisk helse i perinatalperioden - fokus på mor, far og barn, Oslo, Norway, 7-8 September 2015.

Other oral presentations

15. **Svensberg K**. «En pille for alt som er ille. Legemidler er det viktigste verktøyet vi har for å bekjempe sykdom. Er det "trygt" å bruke legemidler og bruker vi egentlig legemidler "riktig"?» Åpen dag 2015, UiO. 12.03.15, Oslo, Norway
16. **Nordeng H**. Hva vet vi om den generelle legemiddelkunnskapen i Norge? Hvordan kan vi finne ut mer? Idedugnad, Statens Legemiddelverk, Oslo,
17. **Wood M**. Collider stratification bias (and other assorted over-adjustment biases), Norwegian Institute of Public Health
18. **Wood M**. Propensity score methods: making fair comparisons in observational epidemiology, Norwegian Institute of Public Health.

Interviews and media coverage

1. Interview of **Björnsdottir, I.** Fékk gögnin afhent eftir tvö og hálf ár (in Icelandic). [Received the data after two and a half years]. 12.08. Reykjavík. (Avis/Nett - Nyhetssak med intervju)
2. Interview of **Björnsdottir, I.** Morgunútgáfan, 14.08.2015, Reykjavík. (Den nasjonale islandske radio - intervju)
3. Interview of **Björnsdottir, I.** Lélegar tölur úr lyfjagagnagrunni [Disappointing data from Prescription Registry]. Morgunblaðið. 13.11. 2015 p. 20 (Debattinnlegg i en islandsk avis)
4. Interview of **Björnsdottir, I.** Notagildi lyfjagagnagrunns - séð af öðrum sjónarhóli. [Usability of Prescription Registry - from a different point of view]. Læknablaðið : Icelandic medical journal. 2015, Vol.101 (10), p. 486- 487
5. Interview of Guðbrandsdóttir, K.B, **Björnsdottir, I** (2015, 13. november). Þrjátíu prósent skráninga eru með villum (in Icelandic). [Thirty percent of registrations contain errors]. Fréttablaðið.
6. Interview of **Lupattelli A.** «Deprimerte gravide trenger bedre oppfølging» av Bjarne Røsjø/UiO. Titan 14.10.2015 <https://titan.uio.no/node/947>
7. Interview of **Lupattelli A.** «Studie: Høyt pilleforbruk blant gravide med spiseforstyrrelser» Dagens medisn, 23.07.2015 <http://www.dagensmedisin.no/artikler/2015/07/23/gravide-med-spiseforstyrrelser-bruker-sju-ganger-mer-sovemedisin/?x=MjAxNS0wNy0yMyAxNDowMzoyNA>
8. Interview of **Nordeng H.** «Medisiner under svangerskapet: Kan påvirke barnets hjerne» Apollon 14.08.2015 http://www.apollon.uio.no/artikler/2015/3_datamengder_legemidler.html
9. Interview of **Nordeng H.** «Faglig lidenskap + Fransk disiplin = Suksess» av Bjarne Røsjø/UiO. Titan 08.07.2015 <https://titan.uio.no/node/914>
10. Journalist Katrine Andreassen. Interview of H Nordeng **Nordeng H.** «Kvinner med ekstrem svangerskapskvalme trenger hjelp for å fungere i hverdagen» Klikk.no 25.07.2015 <http://www.klikk.no/foreldre/article1601230.ece>
11. Interview of **Nordeng H.** «Medisinbruk hos gravide: Den krevende forskningsformidlingen» Forskningsaktuelt, Livsvitenskap, UiO 10.09.2015 <http://www.uio.no/forskning/livsvitenskap/forskningsaktuelt/medisinbruk-gravide-krevende-forskningsformidlingen.html>
12. Interview of **Nordeng H.** «Farmasiprofessor ser på medisinbruk hos 100 000 gravide» Uniforum 22.10.2015 <http://www.uniforum.uio.no/nyheter/2015/10/farmasiprofessor-ser-pa-medisinbruk-hos-100.000-gr.html>
13. Interview of **Nordeng H.** «Kan sammenlignes med å delta i VM og vinne» Universitas 20.02.2015 <http://universitas.no/nyheter/60276/kan-sammenlignes-med-a-delta-i-vm-og-vinne>
14. Interview of **Nordeng H.** «Førsteklasses farmasiforskning» Farmatid, 20.04.2015 <http://www.farmatid.no/artikler/forsteklasses-farmasiforskning>
15. Hva skal du spise når du bare vil spy? Journalist Katrine Andreassen. Interview of H Nordeng Klikk. <http://www.klikk.no/foreldre/article1633428.ece> Publisert 1.12.15
16. Interview of **Nordeng H.** Morkaken er mitt favorittorgan. av Bjarne Røsjø/UiO. <https://titan.uio.no/node/974> 20. oktober, 2015.