

Vetenskapliga artiklar publicerade under 2019

Rättsgenetik och rättskemi

Bjorn N, Sigurgeirsson B, Svedberg A, Pradhananga S, Branden E, Koyi H, Lewensohn R, de Petris L, Apellaniz-Ruiz M, Rodriguez-Antona C, Lundeberg J, Green H. Genes and variants in hematopoiesis-related pathways are associated with gemcitabine/carboplatin-induced thrombocytopenia. *The pharmacogenomics journal*. 2019.

Gundersen POM, Astrand A, Green H, Josefsson M, Spigset O, Vikingsson S. Metabolite Profiling of Ortho-, Meta- and Para-Fluorofentanyl by Hepatocytes and High-Resolution Mass Spectrometry. *Journal of analytical toxicology*. 2019.

Hansen SL, Johansen SS, Nielsen MKK, Nilsson G, Kronstrand R. Distribution of zopiclone and main metabolites in hair following a single dose. *Forensic science international*. 2020;306:110074.

Kriikku P, Rasanen I, Ojanpera I, Thelander G, Kronstrand R, Vikingsson S. Femoral blood concentrations of flualprazolam in 33 postmortem cases. *Forensic science international*. 2019;307:110101.

Malmstrom A, Lysiak M, Akesson L, Jakobsen I, Mudaisi M, Milos P, Hallbeck M, Fomichov V, Broholm H, Grunnet K, Poulsen HS, Bratthall C, Strandeus M, Papagiannopoulou A, Stenmark-Askmal M, Green H, Soderkvist P. ABCB1 single-nucleotide variants and survival in patients with glioblastoma treated with radiotherapy concomitant with temozolomide. *The pharmacogenomics journal*. 2019.

Nyberg J, Gustavsson S, Aberg MAI, Kuhn HG, Waern M. Late-adolescent risk factors for suicide and self-harm in middle-aged men: explorative prospective population-based study. *The British journal of psychiatry : the journal of mental science*. 2019;1-7.

Truver MT, Watanabe S, Astrand A, Vikingsson S, Green H, Swortwood MJ, Kronstrand R. 5F-MDMB-PICA metabolite identification and cannabinoid receptor activity. *Drug testing and analysis*. 2019.

Astrand A, Toreskog A, Watanabe S, Kronstrand R, Green H, Vikingsson S. Correlations between metabolism and structural elements of the alicyclic fentanyl analogs cyclopropyl fentanyl, cyclobutyl fentanyl, cyclopentyl fentanyl, cyclohexyl fentanyl and 2,2,3,3-

tetramethylcyclopropyl fentanyl studied by human hepatocytes and LC-QTOF-MS. *Archives of toxicology*. 2019;93(1):95-106.

Barmano N, Charitakis E, Kronstrand R, Walfridsson U, Karlsson JE, Walfridsson H, Nystrom FH. The association between alcohol consumption, cardiac biomarkers, left atrial size and re-ablation in patients with atrial fibrillation referred for catheter ablation. *PloS one*. 2019;14(4):e0215121.

Beck O, Ullah S, Kronstrand R. First evaluation of the possibility of testing for drugged driving using exhaled breath sampling. *Traffic injury prevention*. 2019;20(3):238-43.

Blomstrand H, Scheibling U, Bratthall C, Green H, Elander NO. Real world evidence on gemcitabine and nab-paclitaxel combination chemotherapy in advanced pancreatic cancer. *BMC cancer*. 2019;19(1):40.

Edvardsson M, Sund-Levander M, Milberg A, Ernerudh J, Grodzinsky E. Elevated levels of CRP and IL-8 are related to reduce survival time: 1-year follow-up measurements of different analytes in frail elderly nursing home residents. *Scandinavian journal of clinical and laboratory investigation*. 2019;79(5):288-92.

Fernlund E, Andersson O, Ellegard R, Arstrand HK, Green H, Olsson H, Gunnarsson C. The congenital disorder of glycosylation in PGM1 (PGM1-CDG) can cause severe cardiomyopathy and unexpected sudden cardiac death in childhood. *Forensic science international Genetics*. 2019;43:102111.

Forsman J, Masterman T, Ahlner J, Isacson G, Hedstrom AK. Selective serotonin re-uptake inhibitors and the risk of violent suicide: a nationwide postmortem study. *European journal of clinical pharmacology*. 2019;75(3):393-400.

Green H, Tillmar A, Pettersson G, Montelius K. The use of FTA cards to acquire DNA profiles from postmortem cases. *International journal of legal medicine*. 2019;133(6):1651-7.

Guerrieri D, Kjellqvist F, Kronstrand R, Green H. Validation and Cross-Reactivity Data for Fentanyl Analogs With the Immunalysis Fentanyl ELISA. *Journal of analytical toxicology*. 2019;43(1):18-24.

Jones MP, Walter S, Faresjo A, Grodzinsky E, Kjellstrom L, Viktorsson L, Talley NJ, Agreus L, Andreasson A. Gastrointestinal recall questionnaires compare poorly with prospective patient diaries for gastrointestinal symptoms: data from population and primary health centre samples. *European journal of gastroenterology & hepatology*. 2019;31(2):163-9.

Jonsson AK, Spigset O, Reis M. A Compilation of Serum Concentrations of 12 Antipsychotic Drugs in a Therapeutic Drug Monitoring Setting. *Therapeutic drug monitoring*. 2019;41(3):348-56.

Kling D, Tillmar A. Forensic genealogy-A comparison of methods to infer distant relationships based on dense SNP data. *Forensic science international Genetics*. 2019;42:113-24.

Kronstrand C, Nilsson G, Cherma MD, Ahlner J, Kugelberg FC, Kronstrand R. Evaluating the hip-flask defence in subjects with alcohol on board: An experimental study. *Forensic science international*. 2019;294:189-95.

Nordmark Grass J, Ahlner J, Kugelberg FC, Steinwall J, Forsman P, Lindeman E. A case of massive metoprolol and amlodipine overdose with blood concentrations and survival following extracorporeal corporeal membrane oxygenation (ECMO). *Clinical toxicology (Philadelphia, Pa)*. 2019;57(1):66-8.

Nyberg J, Gustavsson S, Linde M, Aberg ND, Rohmann JL, Aberg M, Kurth T, Waern M, Kuhn GH. Cardiovascular fitness and risk of migraine: a large, prospective population-based study of Swedish young adult men. *BMJ open*. 2019;9(8):e029147.

Svedberg A, Vikingsson S, Vikstrom A, Hornstra N, Kentson M, Branden E, Koyi H, Bergman B, Green H. Erlotinib treatment induces cytochrome P450 3A activity in non-small cell lung cancer patients. *British journal of clinical pharmacology*. 2019;85(8):1704-9.

Walz L, Jonsson AK, Ahlner J, Ostgren CJ, Druid H. Metformin - Postmortem fatal and non-fatal reference concentrations in femoral blood and risk factors associated with fatal intoxications. *Forensic science international*. 2019;303:109935.

Watanabe S, Vikingsson S, Astrand A, Green H, Kronstrand R. Biotransformation of the New Synthetic Cannabinoid with an Alkene, MDMB-4en-PINACA, by Human Hepatocytes, Human Liver Microsomes, and Human Urine and Blood. *The AAPS journal*. 2019;22(1):13.

Vikingsson S, Rautio T, Wallgren J, Astrand A, Watanabe S, Dahlen J, Wohlfarth A, Konradsson P, Wu X, Kronstrand R, Green H. LC-QTOF-MS Identification of Major Urinary Cyclopropylfentanyl Metabolites Using Synthesized Standards. *Journal of analytical toxicology*. 2019;43(8):607-14.

Rättsmedicin

Li X, Sandler H, Kleiven S. Infant skull fractures: Accident or abuse?: Evidences from biomechanical analysis using finite element head models. *Forensic Sci Int*. 2019 Jan;294:173-182.

Gravensteen IK, Ekeberg Ø, Thiblin I, Helweg-Larsen K, Hem E, Rogde S, Tøllefsen IM. Psychoactive substances in natural and unnatural deaths in Norway and Sweden - a study on victims of suicide and accidents compared with natural deaths in psychiatric patients. *BMC Psychiatry*. 2019 Jan 18;19(1):33.

Ahmed AS, Berg S, Alkass K, Druid H, Hart DA, Svensson CI, Kosek E. NF- κ B-Associated Pain-Related Neuropeptide Expression in Patients with Degenerative Disc Disease. *Int J Mol Sci*. 2019 Feb 3;20(3). pii: E658.

Högberg U, Andersson J, Högberg G, Thiblin I. High Risk of Bias in a Systematic Review of Rib Fractures and Abuse by Paine et al (2019). *Pediatr Emerg Care*. 2019 Apr 5.

Tamsen F, Sturup J, Thiblin I. Homicide injury severity in association with the victim-offender relationship. *Forensic Sci Int*. 2019 May 10;300:151-156.

Fugelstad A, Thiblin I, Johansson LA, Ågren G, Sidorchuk A. Opioid-related deaths and previous care for drug use and pain relief in Sweden. *Drug Alcohol Depend*. 2019 Aug 1;201:253-259. doi: 10.1016/j.drugalcdep.2019.04.022. Epub 2019 Jun 25.

Högberg U, Squier W, Andersson J, Högberg G, Fellman V, Thiblin I, Wester K. Do inter-country differences in the frequency of abusive head trauma reflect different proportions of overdiagnosis of abuse or true differences of abuse? *J Epidemiol*. 2019 Jun 8. doi: 10.2188/jea.JE20190066.

Högberg U, Andersson J, Högberg G, Thiblin I. Why is there a multi-fold difference in diagnosis of abuse among infants with long bone fracture in East Anglia compared with Sweden? *Arch Dis Child*. 2019 Jun 4. pii: archdischild-2019-317232.

Gudmannsson P, Berge J. The Forensic Pathology of Fatal Attacks by the Large Mammals Inhabiting the Nordic Wilderness-A Literature Review. *J Forensic Sci*. 2019 Jul;64(4):976-981.

Andersson MG, Ceciliason AS, Sandler H, Mostad P. Application of the Bayesian framework for forensic interpretation to casework involving postmortem interval estimates of decomposed human remains. *Forensic Sci Int*. 2019 Aug;301:402-414. doi: 10.1016/j.forsciint.2019.05.050.

Högberg U, Sennerstam R, Wester K, Högberg G, Andersson J, Thiblin I. Medical diagnoses among infants at entry in out-of-home care: A Swedish population-register study. *Health Sci rep* 2019;e133

Obertová Z, Adalian P, Baccino E, Cunha E, De Boer HH, Fracasso T, Kranioti E, Lefèvre P, Lynnerup N, Petaros A, Ross A, Steyn M, Cattaneo C. The Status of Forensic Anthropology in Europe and South Africa: Results of the 2016 FASE Questionnaire on Forensic Anthropology. *J Forensic Sci*. 2019 Jul;64(4):1017-1025.

Wärn G, Zilg B. Brister i utfärdande av dödsorsaksintyg - Stort mörkertal av dödliga fallolyckor. *Lakartidningen*. 2019 Sep 10;116. pii: FPDm.

Rättspsykiatri

Alabaf, S., Gillberg, C., Lundström, S., Lichtenstein, P., Kerekes, N., Råstam, M., & Anckarsäter H. (2019). Physical health in children with neurodevelopmental disorders. *Journal of Autism and Developmental Disorders*, 49(1), 96-97. doi:10.1007/s10803-018-3758-8

Andiné, P., & Bergman, H. (2019). Focus on brain health to improve care, treatment, and rehabilitation in forensic psychiatry. *Frontiers in Psychiatry*, 26(10), 840. doi:10.3389/fpsy.2019.00840

Blomström, Å., Kristiansson, M., Kosidou, K., & Masterman, T. (2019). Infection during childhood and risk of violent criminal behavior in adulthood. *Brain, Behavior and Immunity*, 86, 63-71. doi:10.1016/j.bbi.2019.02.026

Bäckström, B., Hedlund, J., Masterman, T., & Sturup J. (2019). Injury-related healthcare use and risk of filicide victimization: A population-based case-control study. *Journal of Forensic Sciences*, 64(1), 166-170. doi:10.1111/1556-4029.13908.

Delfin, C., Andiné, P., Hofvander, B., Billstedt, E., & Wallinius, M. (2019). Examining associations between psychopathic traits and executive functions in incarcerated violent offenders. *Frontiers in Psychiatry*, 11(9), 310. doi: 10.3389/fpsy.2018.00310

Delfin, C., Krona, H., Andiné, P., Ryding, E., Wallinius, M., & Hofvander, B. (2019). Prediction of recidivism in a long-term follow-up of forensic psychiatric patients:

Incremental effects of neuroimaging data. *PLoS One*, 14(5): e0217127.

doi:10.1371/journal.pone.0217127

Forsman, J., & Masterman, T. (2019). Bristande följsamhet till antipsykotika ökade risk för självmord. *Läkartidningen*. 2019;116:FTAZ <https://lakartidningen.se/klinik-och-vetenskap-1/nya-ron/2019/09/bristande-foljsamhet-till-antipsykotika-okade-risk-for-sjalvmord/>

Forsman, J., & Masterman, T. (2019). Läkemedelsföljsamhet mätt med rättstoxikologiska fynd från blod. *Läkartidningen*. 2019;116:FS6U <https://lakartidningen.se/klinik-och-vetenskap-1/nya-ron/2019/08/lakemedelsfoljsamhet-matt-med-rattstoxikologiska-fynd-fran-blod/>

Forsman, J., Masterman, T., Ahlner, J., Isacson, G., & Hedström, AK. (2019). Selective serotonin re-uptake inhibitors and the risk of violent suicide: A nationwide postmortem study. *European Journal of Clinical Pharmacology*, 75(3), 393-400. doi:10.1007/s00228-018-2586-2

Forsman, J., Taipale, H., Masterman, T., Tiihonen, J., & Tanskanen, A. (2019). Adherence to psychotropic medication in completed suicide in Sweden 2006-2013: A forensic-toxicological matched case-control study. *European Journal of Clinical Pharmacology*, 75(10), 1421-1430. doi: 10.1007/s00228-019-02707-z

Gavazzeni, J., Andersson, T., Sörman, K., & Kristiansson, M. (2019). Psychometric properties of the Swedish Version of the Brief Repetitive Thinking Questionnaire (RTQ-10): An internet based validation of repetitive thinking questionnaire – 10 (RTQ-10). *Journal Psychopathology*. doi:10.1159/000502388

Hedlund, J., & Masterman, T. (2019). Emergence of Huntington disease in a man with a premorbid criminal lifestyle. *Frontiers in Psychiatry*, 2(10), 477. doi:10.3389/fpsy.2019.00477

Kerekes, N., Brändström, S., & Nilsson, T. (2019). Imprisoning Yoga: Yoga practice may increase the character maturity of male prison inmates. *Frontiers in Psychiatry*, doi:10.3389/fpsy.2019.00406.

Lichtenstein, P., Cederlöf, M., Lundström, S., D'Onofrio, BM., Anckarsäter, H., Larsson, H., & Pettersson, E. (2019). Associations between conduct problems in childhood and adverse outcomes in emerging adulthood: A longitudinal Swedish nationwide twin cohort. *The Journal of Child Psychology and Psychiatry*, 18. doi:10.1111/jcpp.13169

Lundström, S., Mårland, C., Kuja-Halkola, R., Anckarsäter, H., Lichtenstein, P., Gillberg, C., & Nilsson, T. (2019). Assessing autism in females: The importance of a sex-specific comparison. *Psychiatry Research*, 282, 112566. doi:10.1016/j.psychres.2019.112566

Malanchini, M., Smith-Woolley, E., Ayorech, Z., Rimfeld, K., Krapohl, E., Vuoksima, E., Korhonen, T., Bartels, M., van Beijsterveldt, TCEM., Rose, RJ., Lundström, S., Anckarsäter, H., Kaprio, J., Lichtenstein, P., Boomsma, DI., Plomin, R. (2019). Aggressive behaviour in childhood and adolescence: the role of smoking during pregnancy, evidence from four twin cohorts in the EU-ACTION consortium. *Psychological Medicine*, 49(4), 646-654. doi:10.1017/S0033291718001344

Mårland, C., Lubke, G., Degl'Innocenti, A., Råstam, M., Gillberg, C., Nilsson, T., & Lundström, S. (2019). The development of a brief screener for autism using item response theory. *BMC Psychiatry* 19, 337. doi:10.1186/s12888-019-2333-y.

Nyman, M., Hofvander, B., Nilsson, T., & Wijk, H. (2019). Mental health nurses' experiences of risk assessments for care planning in forensic psychiatry. *International Journal of Forensic Mental Health*, doi:10.1080/14999013.2019.1646356.

Pauli, M., Liljeberg, J., Gustavsson, P., Kristiansson, M., & Howner, K. The relevance of ADHD symptoms and cognitive functions for psychopathy using the PCL-R and the TriPM. *The Journal of Forensic Psychiatry and Psychology*, 30(4), 642-657. doi:10.1080/14789949.2018.1560489

Rodre, S., Liljeberg, J., Kristiansson, M., Masterman, T., & Sturup, J. Psychopathy-associated personality traits influence crime-scene behaviors in male homicide offenders. *Nordic Journal of Psychiatry*, 73(8), 471-474. doi:10.1080/08039488.2019.1626907

Saunders, MC., Anckarsäter, H., Lundström, S., Hellner, C., Lichtenstein, P., & Fontaine, NMG. (2019). The associations between callous-unemotional traits and symptoms of conduct problems, hyperactivity and emotional problems: A study of adolescent twins screened for neurodevelopmental Problems. *Journal of Abnormal Child Psychology*, 47(3):447-457. doi:10.1007/s10802-018-0439-1

Strenn, N., Hovey, D., Jonsson, L., Anckarsäter, H., Lundström, S., Lichtenstein, P., & Ekman, A. (2019). Associations between autistic-like traits and polymorphisms in NFKBIL1. *Acta Neuropsychiatrica*, 31(4), 220-229. doi:10.1017/neu.2019.18

Vestlund, J., Winsa-Jörnulf, J., Hovey, D., Lundström, S., Lichtenstein, P., Anckarsäter, H., Studer, E., Suchankova, P., Westberg, L., & Jerlhag, E. (2019). Ghrelin and aggressive behaviours-Evidence from preclinical and human genetic studies. *Psychoneuroendocrinology*, 104, 80-88. doi:10.1016/j.psyneuen.2019.02.020