

## Vetenskapliga artiklar publicerade under 2018

### Rättsgenetik och rättskemi

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. 2018. EPUB

Astrand A, Vikingsson S, Lindstedt D, Thelander G, Green H, Kronstrand R, et al. Metabolism study for CUMYL-4CN-BINACA in human hepatocytes and authentic urine specimens: Free cyanide is formed during the main metabolic pathway. Drug Test Anal. 2018. EPUB

Bjorn N, Jakobsen Falk I, Vergote I, Green H. ABCB1 Variation Affects Myelosuppression, Progression-free Survival and Overall Survival in Paclitaxel/Carboplatin-treated Ovarian Cancer Patients. Basic Clin Pharmacol Toxicol. 2018;123(3):277-87.

Bragde H, Jansson U, Fredrikson M, Grodzinsky E, Soderman J. Celiac disease biomarkers identified by transcriptome analysis of small intestinal biopsies. Cellular and molecular life sciences : CMLS. 2018;75(23):4385-401.

Edvardsson M, Sund-Levander M, Milberg A, Wressle E, Marcusson J, Grodzinsky E. Differences in levels of albumin, ALT, AST, gamma-GT and creatinine in frail, moderately healthy and healthy elderly individuals. Clin Chem Lab Med. 2018;56(3):471-8. EPUB

Elmsjo A, Haglof J, Engskog MKR, Erngren I, Nestor M, Arvidsson T, et al. Method selectivity evaluation using the co-feature ratio in LC/MS metabolomics: Comparison of HILIC stationary phase performance for the analysis of plasma, urine and cell extracts. Journal of chromatography A. 2018;1568:49-56.

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. 2018. EPUB

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*. 2018. EPUB

Haage P, Kronstrand R, Josefsson M, Calistri S, van Schaik RHN, Green H, et al. Enantioselective pharmacokinetics of tramadol and its three main metabolites; impact of CYP2D6, CYP2B6, and CYP3A4 genotype. *Pharmacology research & perspectives*. 2018;6(4):e00419.

Jakobsen Falk I, Lund J, Green H, Gruber A, Alici E, Lauri B, et al. Pharmacogenetic study of the impact of ABCB1 single-nucleotide polymorphisms on lenalidomide treatment outcomes in patients with multiple myeloma: results from a phase IV observational study and subsequent phase II clinical trial. *Cancer Chemother Pharmacol*. 2018;81(1):183-93.

Jones MP, Walter S, Faresjo A, Grodzinsky E, Kjellstrom L, Viktorsson L, et al. 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*. 2018. EPUB

Jonsson AK, Schill J, Olsson H, Spigset O, Hagg S. Venous Thromboembolism During Treatment with Antipsychotics: A Review of Current Evidence. *CNS Drugs*. 2018;32(1):47-64.

Kling D, A. T. Kinship inference for males with identical Y-STR profiles using whole genome SNP data provides a deeper understanding about the level of coancestry in the Swedish male population. *Forensic Science International: Genetics Supplement Series*. 2018;6:e393-e4.

Kronstrand R, Forsman M, Roman M. Quantitative analysis of drugs in hair by UHPLC high resolution mass spectrometry. *Forensic Sci Int*. 2018;283:9-15.

Kronstrand R, Guerrieri D, Vikingsson S, Wohlfarth A, Green H. Fatal Poisonings Associated with New Psychoactive Substances. *Handbook of experimental pharmacology*. 2018.

Lentini A, Lagerwall C, Vikingsson S, Mjoseng HK, Douvlataniotis K, Vogt H, et al. A reassessment of DNA-immunoprecipitation-based genomic profiling. *Nature methods*. 2018;15(7):499-504.

Lood Y, Aardal-Eriksson E, Webe C, Ahlner J, Ekman B, Wahlberg J. Relationship between testosterone in serum, saliva and urine during treatment with intramuscular testosterone undecanoate in gender dysphoria and male hypogonadism. *Andrology*. 2018;6(1):86-93.

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)*. 2018:1-2.

Sidstedt M, Grandell I, Boiso S, Sanga M, Green H, Hedman J, et al. Assessing the GeneRead SNP panel for analysis of low-template and PCR-inhibitory samples. *Forensic Science International: Genetics Supplement Series*. 2018;6:p.267-9

Tillmar A, Grandell I, Montelius K. DNA identification of compromised samples with massive parallel sequencing. *Forensic Sciences Research*. 2018:1-7.

### **Rättsmedicin**

Quintana HK, Janszky I, Kanar A, Gigante B, Druid H, Ahlbom A, et al. Comorbidities in relation to fatality of first myocardial infarction. *Cardiovasc Pathol*. 2018;32:32-7.

Le Maitre TW, Dhanabalan G, Bogdanovic N, Alkass K, Druid H. Effects of Alcohol Abuse on Proliferating Cells, Stem/Progenitor Cells, and Immature Neurons in the Adult Human Hippocampus. *Neuropsychopharmacology*. 2018;43(4):690-9.

Gudmannsson P, Berge J, Druid H, Ericsson G, Eriksson A. A Unique Fatal Moose Attack Mimicking Homicide. *J Forensic Sci*. 2018;63(2):622-5.

Dhanabalan G, Le Maitre TW, Bogdanovic N, Alkass K, Druid H. Hippocampal granule cell loss in human chronic alcohol abusers. *Neurobiol Dis*. 2018;120:63-75.

Ahmed AS, Gedin P, Hugo A, Bakalkin G, Alkass K, Hart DA, Druid H, Svensson C, Kosek E.. Activation of NF-kappaB in Synovium versus Cartilage from Patients with Advanced Knee Osteoarthritis: A Potential Contributor to Inflammatory Aspects of Disease Progression. *J Immunol*. 2018;201(7):1918-27.

Warntjes JBM, Persson A, Berge J, Zech W. Myelin Detection Using Rapid Quantitative MR Imaging Correlated to Macroscopically Registered Luxol Fast Blue-Stained Brain Specimens. *AJNR Am J Neuroradiol.* 2017 Jun;38(6):1096-1102.

Persson A, Baeckmann J, Berge J, Jackowski C, Warntjes M, Zech WD. Temperature-corrected postmortem 3-T MR quantification of histopathological early acute and chronic myocardial infarction: a feasibility study. *Int J Legal Med.* 2018 Mar;132(2):541-549.

Zilg B. A Case of Fatal Dehydration During Police Custody. *J Forensic Sci.* 2018 Oct 17.

Lynøe N, Eriksson A. Consensus should be adapted to the evidence and not vice-versa. *Acta Paediatrica* 2018 Doi:10.1111/apa.14247 [Epub ahead of print] ID SPAE-2018-0021.

Lynøe N, Eriksson A. "Triaden" räcker inte för att diagnostisera skakvåld. Mycket svagt vetenskapligt underlag – felaktiga bedömningar med under- och överdiagnostik kan få ödesdigra konsekvenser. *Läkartidningen* 2018;115:EY9F

Lynøe N, Elinder G, Hallberg B, Rosén M, Sundgren P, Eriksson A. Easier to see the speck in your critical peers' eyes than the log in your own? Response to Debelle et al. *Arch Dis Child* 2018;0:1. doi:10.1136/archdischild-2018-315380 [Epub ahead of print]

Lynøe N, Rosén M, Eriksson A. Vinchon's responses raise additional questions about the shaken-baby study. *Child's nervous System* 2018;34:11-13.

Lynøe N, Elinder G, Hallberg B, Rosén M, Sundgren P, Eriksson A. Pouring out the dirty bath water without throwing away either the baby or its parents. Commentary to Saunders et al. *Pediatric Radiology* 2018;48:284-286.

Lynøe N, Eriksson A. Is focusing on the triad in suspected child abuse cases really irrelevant and of no practical use? *Acta Paediatrica* 2018; Jun 11, doi: 10.1111/apa.14442

Elinder G, Eriksson A, Hallberg B, Lynøe N, Maly Sundgren P, Rosén M (External Collaboration: Engström I, Erlandsson B-E) Traumatic shaking: The role of the triad in medical investigations of suspected traumatic shaking. *Acta Paediatrica* 2018; 107, S472:3-23.

Elinder G, Eriksson A, Hallberg B, Lynøe N, Maly Sundgren P, Rosén M Gaisho Sei no Yusaburi: Gaishosei no Yusaburi ga Utagawareru Jian no Igakuteki Chosa ni Okeru San-Choko no Yakuwari [Traumatic Shaking : The role of the triad in medical investigations of suspected traumatic shaking-A systematic review]. (Translation by Kana Sasakura). Ryukoku Hogaku 2018; 50 (3):670-695.

Lynøe N, Juth N, Eriksson A. From child protection to paradigm protection – The genesis, development and defence of of a scientific paradigm. *The Journal of Medicine and Philosophy* 2018; doi: 10.1093/jmp/jhy015

Lynøe N, Eriksson A. Values in the name of science: Why do current classifications overestimate cases of Shaken Baby Syndrome? *Scand J Publ Health* (submitted)

Lynøe N, Eriksson A. A diagnostic test can prove anything if you use incorrect assumptions and circular reasoning. *Acta Paediatrica* 2018;doi 10.1111/apa.14503

Lynøe N, Eriksson A. The Swedish systematic review of traumatic shaking is not flawed and should not be ignored. *Acta Paediatrica* (DOI) - 10.1111/apa.14575)

Lynøe N, Eriksson A. In order to ensure that evidence is unbiased it is sometimes necessary to retreat to the scientific ivory tower. *Forensic Science, Medicine and Pathology*  
<https://doi.org/10.1007/s12024-018-0037-0>

J. Andersson, I. Thiblin. National study shows that abusive head trauma mortality in Sweden was at least 10 times lower than in other western countries. *Acta Pediatr* 2018, 107(3):447-483

U. Högberg, E. Lampa, G. Högberg, P. Aspelin, F. Serenius, I. Thiblin. Infant abuse diagnosis associated with abusive head trauma criteria: incidence increase due to overdiagnosis? *Eur J Public Health* 1;28 (4) (2018) 641-646

U. Högberg, J. Andersson, W. Squier, G. Högberg, V. Fellman, I. Thiblin, K. Wester. Epidemiology of subdural haemorrhage during infancy: A population-based register study. *PloS One* 31;13(10) (2018)

U. Högberg, J. Andersson, G. Högberg, , I. Thiblin,. Metabolic bone disease risk factors strongly contributing to long bone and rib fractures during early infancy: a population register study PloS One Accepted (PONE-D-18\_19349R1)

X. Li, S. Kleiven, H. Sandler. Infant skull fractures, accident or abuse. Accepted FSI

Wärmländer SKTS, Garvin H, Guyomarc'h P, Petaros A, Sholts SB. Landmark Typology in Applied Morphometrics Studies: What's the Point? Anat Rec (Hoboken). 2018 Oct 26. doi: 10.1002/ar.24005

Dhanabalan G, Le Maître TW, Bogdanovic N, Alkass K, Druid H. Hippocampal granule cell loss in human chronic alcohol abusers. Neurobiol Dis. 2018 Dec;120:63-75. doi: 10.1016/j.nbd.2018.08.011. Epub 2018 Sep 3.

Högberg U, Andersson J, Högberg G, Thiblin I. Metabolic bone disease risk factors strongly contributing to long bone and rib fractures during early infancy: A population register study. PLoS One. 2018 Dec 19;13(12):e0208033.

### **Rättspsykiatri**

Alabaf, S., Gillberg, C., Lundström, S., Lichtenstein, P., Kerekes, N., Råstam, M., & Anckarsäter H. (2018). Physical health in children with neurodevelopmental disorders. *Journal of Autism and Developmental Disorder*, 49(1), 83-95. doi:10.1007/s10803-018-3697-4.

Beckman, K., Lysell, H., Haglund, A., & Dahlin, M. (2018). Prognoses after self-harm in youth: Exploring the gender factor. *Social psychiatry and psychiatric epidemiology*, doi:10.1007/s00127-018-1618-7

Bergman, H., Nilsson, T., Andiné, P., Degl'Innocenti, A., Thomeé, R., & Gutke, A. (2018). Physical performance and physical activity of patients under compulsory forensic psychiatric inpatient care. *Physiotherapy: Theory and Practice*, 21, 1-9. doi:10.1080/09593985.2018.1488320.

Eriksson, L., McPhedran, S., Caman, S., Mazerolle, P., Wortley, R., & Johnson, H. (2018). Criminal careers among female perpetrators of family and non-family homicide in Australia. *Journal of Interpersonal Violence*, doi:10.1177/088620518760007

Forsman, J., Taipale, H., Masterman, T., Tiihonen, J., & Tanskanen A. (2018). Comparison of dispensed medications and forensic-toxicological findings to assess pharmacotherapy in the Swedish population 2006 to 2013. *Pharmacoepidemiology Drug Safety*, 27(10), 1112-1122. doi:10.1002/pds.4426

Granath, S. & Sturup, J. (2018). Unsolved homicides in Sweden 1990 to 2013 with special reference to firearm-perpetrated homicides. *Scandinavian Journal of Criminology and Crime Prevention*, 19(1), 98-112.

Hedlund, J., Forsman, J., Sturup, J., Masterman, T. (2018). Pre-offense alcohol intake in homicide offenders and victims: A forensic-toxicological case-control study. *Journal of Forensic and Legal Medicine*, 56, 55-58. doi:10.1016/j.jflm.2018.03.004

Howner, K., Andiné, P., Bertilsson, G., Hultcrantz, M., Lindström, E., Mowafi, F., Snellman, A., & Hofvander, B. (2018). Mapping systematic reviews on forensic psychiatric care: Identifying knowledge gaps. *Frontiers in Psychiatry*, 9, 452. doi:10.3389/fpsyt.2018.00452.

Johansson, V., Norén Selinus, E., Kuja-Halkola, R., Lundström, S., Durbeej, N., Anckarsäter, H., Lichtenstein, P., & Hellner C. (2018). The Quantified Behavioral Test failed to differentiate ADHD in adolescents with neurodevelopmental problems. *Journal of Attention Disorders*. doi:10.1177/1087054718787034

Kerekes, N., Apelqvist, S., Fielding, C., Anckarsäter, H., & Nilsson, T. (2018). The Prison Adjusted Measure of Aggression (PAMA): Psychometric characteristics of a new tool measuring change in aggressive behaviors in correctional settings. *Psychiatry Research*, 263, 130-138. doi:10.1016/j.psychres.2018.02.047

Kraus, J., Frick, A., Fischer, H., Howner, K., Fredrikson, M., & Furmark, T. (2018). Amygdala reactivity and connectivity during social and non-social aversive stimulation in social anxiety disorder. *Psychiatry Research: Neuroimaging*, 280(30), 56-61. doi:10.1016/j.psychresns.2018.08.012

Pauli, M., Essemyr, K., Howner, K., Sörman, K., Gustavsson, P., & Liljeberg, J. (2018). Gendered expressions of psychopathy: Correctional staffs' perceptions of the CAPP and CABP models. *International Journal of Forensic Mental Health*, 17(2), 97-110. doi:10.1080/14999013.2018.1431337

Persson, M., Sturup, J., Belfrage, H., & Kristiansson, M. (2018). Self-reported violent ideation and its link to interpersonal violence among offenders with mental disorders and general psychiatric patients. *Psychiatry research*, *261*, 197-203. doi:10.1016/j.psychres.2017.12.079

Rostami, A., Sturup, J., Mondani, H., Thevselius, P., Sarnecki, J., & Edling, C. (2018). The Swedish Mujahideens: An exploratory study of 41 Swedish foreign terrorist fighters deceased in Iraq and Syria. *Studies in Conflict & Terrorism*. doi:10.1080/1057610X.2018.1463615

Sturup, J. (2018). Comparing serial-homicides to single-homicides: A study of prevalence, offender and offense characteristics in Sweden. *Journal of Investigative Psychology and Offender Profiling*, *15*(2). doi:10.1002/jip.1500

Sturup, J., Rodre, S., Karlberg, D., von Vogelsang, E., Rying, M., & Caman, S. (2018). Male-on-female sexual homicides in Sweden 1990 to 2013: A population-based controlled study of incidents, victims and offenders. *International Journal of Offender Therapy and Comparative Criminology*, *63*(9), 1557-1574. doi:10.1177/0306624X18786609

Sturup, J., Rostami, A., Mondani, H., Gerell, M., Sarnecki, J., & Edling, C. (2018). Increased gun violence among young males in Sweden: A national survey and international comparison. *European Journal on Criminal Policy and Research*, *25*, 365-378. doi:10.1007/s10610-018-9387-0

Sturup, J., Rostami, A., Sandholm, A., & Gerell, M. (2018). Shootings in contemporary Sweden 2011 to 2015. *Security Journal*, *31*(1), 73-92.

Svensson, O., Sörman, K., Durbeej, N., Lichtenstein, P., Anckarsäter, H., Kerekes, N., & Nilsson T. (2018). Associations between conduct disorder, neurodevelopmental problems and psychopathic personality traits in a Swedish twin youth population. *Journal of Psychopathology and Behavioral Assessment*, *40*(4), 586-592. doi:10.1007/s10862-018-9689-z

Tamsen, F., Sturup, J., & Thiblin, I. (2018). Quantifying homicide injuries: A Swedish time trend study using the Homicide Injury Scale. *Scandinavian Journal of Forensic Science*. doi:10.1515/sjfs-2017-0005