

Vetenskapliga artiklar publicerade under 2016

Rättsgenetik

G. Dorum, D. Kling, A. Tillmar, M.D. Vigeland, T. Egeland, Mixtures with relatives and linked markers, Int J Legal Med 130(3) (2016) 621-34.

I. Grandell, R. Samara, A.O. Tillmar, A SNP panel for identity and kinship testing using massive parallel sequencing, Int J Legal Med 130(4) (2016) 905-914.

H. Green, J. Hasmats, I. Kupershmidt, D. Edsgard, L. de Petris, R. Lewensohn, F. Blackhall, S. Vikingsson, B. Besse, A. Lindgren, E. Branden, H. Koyi, C. Peterson, J. Lundeberg, Using Whole-Exome Sequencing to Identify Genetic Markers for Carboplatin and Gemcitabine-Induced Toxicities, Clin Cancer Res 22(2) (2016) 366-73.

K. Montelius, M. Kline, H. Nilsson, J. Kumlin, A. Tillmar, Swedish population data of PowerPlex ESI 17 including the new allele 16.1 in D1S1656, Leg Med (Tokyo) 20 (2016) 37-9.

A.O. Tillmar, D. Kling, Comments on "Kinship analysis: assessment of related vs unrelated based on defined pedigrees" by S. Turrina et al, Int J Legal Med 130(4) (2016) 949-951.

M. Vevelstad, E.L. Oiestad, S. Bremer, I.L. Bogen, A.L. Zackrisson, M. Arnestad, Is toxicity of PMMA (paramethoxymethamphetamine) associated with cytochrome P450 pharmacogenetics?, Forensic Sci Int 261 (2016) 137-47.

Rättskemi

J. Ahlner, A. Holmgren, A.W. Jones, Demographics and post-mortem toxicology findings in deaths among people arrested multiple times for use of illicit drugs and/or impaired driving, Forensic Sci Int 265 (2016) 138-43.

M. Andersson, X. Diao, A. Wohlfarth, K.B. Scheidweiler, M.A. Huestis, Metabolic profiling of new synthetic cannabinoids AMB and 5F-AMB by human hepatocyte and liver microsome incubations and high-resolution mass spectrometry, Rapid Commun Mass Spectrom 30(8) (2016) 1067-78.

K. Andersson Sundell, A.K. Jonsson, Beliefs about medicines are strongly associated with medicine-use patterns among the general population, Int J Clin Pract 70(3) (2016) 277-85.

P.J. Bjerkeli, A.K. Jonsson, E. Lesen, A.C. Mardby, K.A. Sundell, Refill Adherence in Relation to Substitution and the Use of Multiple Medications: A Nationwide Population Based Study on New ACE-Inhibitor Users, PLoS One 11(5) (2016) e0155465.

J. Carlier, X. Diao, A. Wohlfarth, K. Scheidweiler, M.A. Huestis, In Vitro Metabolite Profiling of ADB-FUBINACA, A New Synthetic Cannabinoid, Curr Neuropharmacol (2016).

J. Carlier, K.B. Scheidweiler, A. Wohlfarth, B.D. Salmeron, M.H. Baumann, M.A. Huestis, Quantification of [1-(5-fluoropentyl)-1H-indol-3-yl](naphthalene-1-yl)methanone (AM-2201) and 13 metabolites in human and rat plasma by liquid chromatography-tandem mass spectrometry, J Chromatogr A 1451 (2016) 97-106.

A. Carlsson, S. Lindberg, X. Wu, S. Dunne, M. Josefsson, C. Astot, J. Dahlen, Prediction of designer drugs: synthesis and spectroscopic analysis of synthetic cannabinoid analogues of 1H-indol-3-

yl(2,2,3,3-tetramethylcyclopropyl)methanone and 1H-indol-3-yl(adamantan-1-yl)methanone, Drug Test Anal 8(10) (2016) 1015-1029.

C. Chen, A. Wohlfarth, H. Xu, D. Su, X. Wang, H. Jiang, Y. Feng, M. Zhu, Untargeted screening of unknown xenobiotics and potential toxins in plasma of poisoned patients using high-resolution mass spectrometry: Generation of xenobiotic fingerprint using background subtraction, Anal Chim Acta 944 (2016) 37-43.

X. Diao, K.B. Scheidweiler, A. Wohlfarth, S. Pang, R. Kronstrand, M.A. Huestis, In Vitro and In Vivo Human Metabolism of Synthetic Cannabinoids FDU-PB-22 and FUB-PB-22, AAPS J 18(2) (2016) 455-64.

X. Diao, K.B. Scheidweiler, A. Wohlfarth, M. Zhu, S. Pang, M.A. Huestis, Strategies to distinguish new synthetic cannabinoid FUBIMINA (BIM-2201) intake from its isomer THJ-2201: metabolism of FUBIMINA in human hepatocytes, Forensic Toxicol 34 (2016) 256-267.

X. Diao, A. Wohlfarth, S. Pang, K.B. Scheidweiler, M.A. Huestis, High-Resolution Mass Spectrometry for Characterizing the Metabolism of Synthetic Cannabinoid THJ-018 and Its 5-Fluoro Analog THJ-2201 after Incubation in Human Hepatocytes, Clin Chem 62(1) (2016) 157-69.

K.N. Ellefsen, A. Wohlfarth, M.J. Swortwood, X. Diao, M. Concheiro, M.A. Huestis, 4-Methoxy-alpha-PVP: in silico prediction, metabolic stability, and metabolite identification by human hepatocyte incubation and high-resolution mass spectrometry, Forensic Toxicol 34 (2016) 61-75.

R. Elling, M.S. Spehl, A. Wohlfarth, V. Auwaerter, M. Hermanns-Clausen, Prolonged hypoglycemia after a suicidal ingestion of repaglinide with unexpected slow plasma elimination, Clin Toxicol (Phila) 54(2) (2016) 158-60.

M.G. Feasel, A. Wohlfarth, J.M. Nilles, S. Pang, R.L. Kristovich, M.A. Huestis, Metabolism of Carfentanil, an Ultra-Potent Opioid, in Human Liver Microsomes and Human Hepatocytes by High-Resolution Mass Spectrometry, AAPS J 18(6) (2016) 1489-1499.

M. Folkesson, N. Sadowska, S. Vikingsson, M. Karlsson, C.J. Carlhall, T. Lanne, D. Wagsater, L. Jensen, Differences in cardiovascular toxicities associated with cigarette smoking and snuff use revealed using novel zebrafish models, Biol Open 5(7) (2016) 970-8.

P. Haage, R. Kronstrand, B. Carlsson, F.C. Kugelberg, M. Josefsson, Quantitation of the enantiomers of tramadol and its three main metabolites in human whole blood using LC-MS/MS, J Pharm Biomed Anal 119 (2016) 1-9.

I.M. Hallgren Elfgren, E. Grodzinsky, E. Tornvall, The Swedish National Diabetes Register in clinical practice and evaluation in primary health care, Prim Health Care Res Dev 17(6) (2016) 549-558.

A.W. Jones, A. Holmgren, J. Ahlner, Post-mortem concentrations of drugs determined in femoral blood in single-drug fatalities compared with multi-drug poisoning deaths, Forensic Sci Int 267 (2016) 96-103.

A.C. Mardby, L. Schioler, K.A. Sundell, P. Bjerkeli, E. Lesen, A.K. Jonsson, Adherence to antidepressants among women and men described with trajectory models: a Swedish longitudinal study, Eur J Clin Pharmacol 72(11) (2016) 1381-1389.

- Z. Rendek, M. Falk, E. Grodzinsky, K. Wahlin, S. Kechagias, R. Svernlov, H. Hjortswang, Effect of oral diclofenac intake on faecal calprotectin, *Scand J Gastroenterol* 51(1) (2016) 28-32.
- K. Skoglund, J. Richter, U. Olsson-Stromberg, J. Bergquist, W. Aluthgedara, S.J. Ubhayasekera, S. Vikingsson, A. Svedberg, S. Soderlund, A. Sandstedt, A. Johnsson, J. Aagesen, J. Alsenhed, S. Hagg, C. Peterson, K. Lotfi, H. Green, In Vivo Cytochrome P450 3A Isoenzyme Activity and Pharmacokinetics of Imatinib in Relation to Therapeutic Outcome in Patients With Chronic Myeloid Leukemia, *Ther Drug Monit* 38(2) (2016) 230-8.
- C. Soderberg, E. Wernvik, A. Tillmar, O. Spigset, R. Kronstrand, M. Reis, A.K. Jonsson, H. Druid, Antipsychotics - Postmortem fatal and non-fatal reference concentrations, *Forensic Sci Int* 266 (2016) 91-101.
- M. Sund Levander, A. Milberg, N. Rodhe, P. Tingstrom, E. Grodzinsky, Differences in predictors of 5-year survival over a 10-year period in two cohorts of elderly nursing home residents in Sweden, *Scand J Caring Sci* 30(4) (2016) 714-720.
- M.J. Swortwood, J. Carlier, K.N. Ellefsen, A. Wohlfarth, X. Diao, M. Concheiro-Guisan, R. Kronstrand, M.A. Huestis, In vitro, in vivo and in silico metabolic profiling of alpha-pyrrolidinopentiothiophenone, a novel thiophene stimulant, *Bioanalysis* 8(1) (2016) 65-82.
- M.J. Swortwood, K.N. Ellefsen, A. Wohlfarth, X. Diao, M. Concheiro-Guisan, R. Kronstrand, M.A. Huestis, First metabolic profile of PV8, a novel synthetic cathinone, in human hepatocytes and urine by high-resolution mass spectrometry, *Anal Bioanal Chem* 408(18) (2016) 4845-56.
- M. Tjaderborn, A.K. Jonsson, T.Z. Sandstrom, J. Ahlner, S. Hagg, Non-prescribed use of psychoactive prescription drugs among drug-impaired drivers in Sweden, *Drug Alcohol Depend* 161 (2016) 77-85.
- E. Tyrkko, M. Andersson, R. Kronstrand, The Toxicology of New Psychoactive Substances: Synthetic Cathinones and Phenylethylamines, *Ther Drug Monit* 38(2) (2016) 190-216.
- S. Vikingsson, H. Green, Putting Designer Drugs Back in Pandora's Box: Analytical Challenges and Metabolite Identification, *Clin Chem* 62(1) (2016) 4-5.
- S. Vikingsson, H. Green, L. Brinkhagen, S. Mukhtar, M. Josefsson, Identification of AB-FUBINACA metabolites in authentic urine samples suitable as urinary markers of drug intake using liquid chromatography quadrupole tandem time of flight mass spectrometry, *Drug Test Anal* 8(9) (2016) 950-6.
- S. Vikingsson, M. Stromqvist, A. Svedberg, J. Hansson, V. Hoiom, H. Green, Novel rapid liquid chromatography tandem massspectrometry method for vemurafenib and metabolites in human plasma, including metabolite concentrations at steady state, *Biomed Chromatogr* 30(8) (2016) 1234-9.
- A. Wohlfarth, K.B. Scheidweiler, S. Pang, M. Zhu, M. Castaneto, R. Kronstrand, M.A. Huestis, Metabolic characterization of AH-7921, a synthetic opioid designer drug: in vitro metabolic stability assessment and metabolite identification, evaluation of in silico prediction, and in vivo confirmation, *Drug Test Anal* 8(8) (2016) 779-91.
- E. Vorkapic, E. Dugic, S. Vikingsson, J. Roy, M.I. Mayranpaa, P. Eriksson, D. Wagsater, Imatinib treatment attenuates growth and inflammation of angiotensin II induced abdominal aortic aneurysm, *Atherosclerosis* 249 (2016) 101-9.

E.L. Zetterlund, H. Green, A. Oscarsson, S. Vikingsson, M. Vrethem, M.L. Lindholm, C. Eintrei, Determination of loss of consciousness: a comparison of clinical assessment, bispectral index and electroencephalogram: An observational study, Eur J Anaesthesiol 33(12) (2016) 922-928.

Rättsmedicin

M. Junuzovic, A. Sjoberg, A. Eriksson, Unintentional Nonhunting Firearm Deaths in Sweden, 1983-2012, J Forensic Sci 61(4) (2016) 966-71.

P. Mollborg, G. Wennergren, A. Eriksson, I. Radestad, B. Alm, Fyndplatsundersökning vid plötslig oväntad död hos spädbarn. Lakartidningen 113 (2016).

E.L. Stattin, I.M. Westin, K. Cederquist, J. Jonasson, B.A. Jonsson, S. Morner, A. Norberg, P. Krantz, A. Wisten, Genetic screening in sudden cardiac death in the young can save future lives, Int J Legal Med 130(1) (2016) 59-66.

I. Thiblin, A. Fugelstad, [Incorrect conclusions about drug deaths], Lakartidningen 113 (2016).

I.M. Tollefsen, I. Thiblin, K. Helweg-Larsen, E. Hem, M. Kastrup, U. Nyberg, S. Rogde, P.H. Zahl, G. Ostevold, O. Ekeberg, Accidents and undetermined deaths: re-evaluation of nationwide samples from the Scandinavian countries, BMC Public Health 16 (2016) 449.

L. Walz, A.K. Jonsson, B. Zilg, C.J. Ostgren, H. Druid, Risk Factors for Fatal Hyperglycaemia Confirmed by Forensic Postmortem Examination - A Nationwide Cohort in Sweden, PLoS One 11(10) (2016) e0164950.

C.J. Wingren, Addressing the interplay between observed and modelled data in a "A retrospective study of postmortem heart weight in an adult Norwegian population", Cardiovasc Pathol 25(6) (2016) 521.

C.J. Wingren, A. Ottosson, Authors reply "Association of body mass index and choice of suicide methods", J Forensic Leg Med 42 (2016) 108.

C.J. Wingren, A. Ottosson, Body mass index and suicide methods, J Forensic Leg Med 42 (2016) 45-50.

B. Zilg, K. Alkass, S. Berg, H. Druid, Interpretation of postmortem vitreous concentrations of sodium and chloride, Forensic Sci Int 263 (2016) 107-113.

Rättspsykiatri

A. Bagher, L. Andersson, C.J. Wingren, A. Ottosson, S. Wangefjord, S. Acosta, Socio-economic status and major trauma in a Scandinavian urban city: A population-based case-control study, Scand J Public Health 44(2) (2016) 217-23.

S. Caman, K. Howner, M. Kristiansson, J. Sturup, Differentiating Male and Female Intimate Partner Homicide Perpetrators: A Study of Social, Criminological and Clinical Factors, International Journal of Forensic Mental Health 15(1) (2016) 26-34.

J. Hedlund, T. Masterman, J. Sturup, Intra- and extra-familial child homicide in Sweden 1992-2012: A population-based study, J Forensic Leg Med 39 (2016) 91-9.

- D. Hovey, M. Lindstedt, A. Zettergren, L. Jonsson, A. Johansson, J. Melke, N. Kerekes, H. Anckarsater, P. Lichtenstein, S. Lundstrom, L. Westberg, Antisocial behavior and polymorphisms in the oxytocin receptor gene: findings in two independent samples, *Mol Psychiatry* 21(7) (2016) 983-8.
- N. Lester, D. Garcia, S. Lundstrom, S. Brandstrom, M. Rastam, N. Kerekes, T. Nilsson, C.R. Cloninger, H. Anckarsater, The genetic and environmental structure of the character sub-scales of the temperament and character inventory in adolescence, *Ann Gen Psychiatry* 15 (2016) 10.
- T. Nilsson, O. Falk, E. Billstedt, N. Kerekes, H. Anckarsater, M. Wallinius, B. Hofvander, Aggressive Antisocial Behaviors Are Related to Character Maturity in Young Swedish Violent Offenders Independent of ADHD, *Front Psychiatry* 7 (2016) 185.
- E. Noren Selinus, Y. Molero, P. Lichtenstein, H. Anckarsater, S. Lundstrom, M. Bottai, C. Hellner Gumpert, Subthreshold and threshold attention deficit hyperactivity disorder symptoms in childhood: psychosocial outcomes in adolescence in boys and girls, *Acta Psychiatr Scand* 134(6) (2016) 533-545.
- P.D. Quinn, E. Pettersson, S. Lundstrom, H. Anckarsater, N. Langstrom, C.H. Gumpert, H. Larsson, P. Lichtenstein, B.M. D'Onofrio, Childhood attention-deficit/hyperactivity disorder symptoms and the development of adolescent alcohol problems: A prospective, population-based study of Swedish twins, *Am J Med Genet B Neuropsychiatr Genet* 171(7) (2016) 958-70.
- W.C. Regoeczi, S. Granath, R. Issa, T. Gilson, J. Sturup, Comparing Homicide-Suicides in the United States and Sweden, *J Forensic Sci* 61(6) (2016) 1524-1530.
- K. Sorman, G. Nilsonne, K. Howne, S. Tamm, S. Caman, H.X. Wang, M. Ingvar, J.F. Edens, P. Gustavsson, S.O. Lilienfeld, P. Petrovic, H. Fischer, M. Kristiansson, Reliability and Construct Validity of the Psychopathic Personality Inventory-Revised in a Swedish Non-Criminal Sample - A Multimethod Approach including Psychophysiological Correlates of Empathy for Pain, *PLoS One* 11(6) (2016) e0156570.
- J. Sturup, D. Karlberg, B. Fredriksson, T. Lihoff, M. Kristiansson, Risk assessments and recidivism among a population-based group of Swedish offenders sentenced to life in prison, *Crim Behav Ment Health* 26(2) (2016) 124-35.
- M.J. Taylor, P. Lichtenstein, H. Larsson, H. Anckarsater, C.U. Greven, A. Ronald, Is There a Female Protective Effect Against Attention-Deficit/Hyperactivity Disorder? Evidence From Two Representative Twin Samples, *J Am Acad Child Adolesc Psychiatry* 55(6) (2016) 504-512 e2.
- K. Trägårdh, T. Nilsson, S. Granath, J. Sturup, A Time Trend Study of Swedish Male and Female Homicide Offenders from 1990 to 2010, *International Journal of Forensic Mental Health* 15(2) (2016) 125-135.
- M. Wallinius, C. Delfin, E. Billstedt, T. Nilsson, H. Anckarsater, B. Hofvander, Offenders in emerging adulthood: School maladjustment, childhood adversities, and prediction of aggressive antisocial behaviors, *Law Hum Behav* 40(5) (2016) 551-63.
- A. Zettergren, S. Karlsson, D. Hovey, L. Jonsson, J. Melke, H. Anckarsater, P. Lichtenstein, S. Lundstrom, L. Westberg, Further investigations of the relation between polymorphisms in sex steroid related genes and autistic-like traits, *Psychoneuroendocrinology* 68 (2016) 1-5.