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CURRENT AWARENESS PAPERS OF THE MONTH

Child poisonings with methadone in France: a 6-year prospective national survey since the availability of capsules in 2008

**Background**

Methadone for opiate substitution was available only in syrup formulation prior to 2008. In 2007, the French Health Authorities made solid forms available. A national survey was performed in order to evaluate the modification of child poisonings induced by such a new pharmaceutical formulation.

**Methods**

A prospective study was set up (April 15, 2008 to April 15, 2014) with the analysis of cases of unintentional ingestion of methadone by patients under 18 years old and managed by the 10 French poison control centers at the national level. As soon as a new pediatric exposure was recorded in the informatics data bank of the Poison Centers, a telephone survey was performed by the Marseilles' Poison Center to obtain the evolution and all the necessary details.
Results
87 cases of child poisonings with the 2 forms were reviewed (syrup, 56 patients; capsules, 31 patients). Comparison shows that patients were similar for both formulations (no significant difference concerning age [median 2 years], sex ratio [M/F 0.85], previous history, and ingested quantities of methadone). There was a similar severity profile with both formulations proving that methadone can lead to lethal child intoxications (1 death with capsules and 4 with syrup). The relative risk of pediatric accidents is also the same with 2 formulations, leading the health authorities, in collaboration with laboratories, to design and distribute flyers. The aim was to inform patients who are also parents about the high danger risk of their treatment for children, whatever the formulation of methadone present in the house.

Discussion
The results of this survey were similar to those of another national study by the French Poison Centers concerning adult suicide attempts with methadone. Both prospective studies led to the conclusion that methadone must be considered as a dangerous molecule for patients and their families. The recent availability of a solid formulation in France did not change the profile of poisonings with this opiate substitute treatment.

Full text available from:
http://www.tandfonline.com/doi/full/10.3109/15563650.2015.1073298#abstract

External validation of the paracetamol-aminotransferase multiplication product to predict hepatotoxicity from paracetamol overdose

Context
Risk prediction in paracetamol (acetaminophen, or APAP) poisoning treated with acetylcysteine helps guide initial patient management and disposition. The paracetamol-aminotransferase multiplication product may be a useful and less time-sensitive risk predictor.

Objective
The aim of this study was to validate this multiplication product in an independent cohort of patients with paracetamol overdose.

Materials and methods
Using an existing toxicology dataset of poisoned patients from two large inner-city United Kingdom teaching hospitals, we retrospectively identified by electronic search all paracetamol overdoses from February 2005 to March 2013. We assessed the diagnostic accuracy of the multiplication product (serum APAP concentration × alanine transaminase [ALT] activity), especially at the pre-specified cut-off points of 1 500 mg/L × IU/L (10 000 micromol/L × IU/L) and 10 000 mg/L × IU/L (66 000 micromol/L × IU/L). The primary outcome was hepatotoxicity defined by a peak ALT > 1000 IU/L.

Results
Of 3823 total paracetamol overdose presentations, there were 2743 acute single, 452 delayed single (> 24 h post overdose), 426 staggered (ingestion over > 1 h), and 202 supratherapeutic ingestions. Altogether, 34 patients developed hepatotoxicity. Among the acute single-ingestion patients, a multiplication product > 10 000 mg/L × IU/L had a sensitivity of 80% (95% confidence interval [CI]: 44%, 96%) and specificity of 99.6% [99.3%, 99.8%], while a product > 1 500 mg/L × IU/L had a sensitivity of 100% [66%,
100%] and specificity of 92% [91%, 93%]. Overall, 16 patients with a multiplication product > 10 000 mg/L × IU/L developed hepatotoxicity (likelihood ratio: 250, 95% CI: 130, 480), and 4 patients with a multiplication product between 1 500 and 10 000 (likelihood ratio: 2.5, 95% CI: 1.0, 6.0). No patient with a product < 1 500 mg/L × IU/L who received acetylcysteine developed hepatotoxicity.

**Conclusions**

Regardless of ingestion type, a product > 10 000 mg/L × IU/L was associated with a very high likelihood, and < 1 500 mg/L × IU/L with a very low likelihood, of developing hepatotoxicity in patients treated with acetylcysteine.

Full text available from: [http://dx.doi.org/10.3109/15563650.2015.1066507](http://dx.doi.org/10.3109/15563650.2015.1066507)

**Pharmacological treatment of acquired QT prolongation and torsades de pointes**

Thomas SHL, Behr ER. Br J Clin Pharmacol 2015; online early: doi: 10.1111/bcp.12726:

Abstract and full text available from: [http://dx.doi.org/10.1111/bcp.12726](http://dx.doi.org/10.1111/bcp.12726)

**Confusion about infusion: rational volume limits for intravenous lipid emulsion during treatment of oral overdoses**


Full text available from: [http://dx.doi.org/10.1016/j.annemergmed.2015.01.020](http://dx.doi.org/10.1016/j.annemergmed.2015.01.020)

**Intravenous lipid emulsion therapy for severe diphenhydramine toxicity: a randomized, controlled pilot study in a swine model**


Abstract and full text available from: [http://dx.doi.org/10.1016/j.annemergmed.2015.05.028](http://dx.doi.org/10.1016/j.annemergmed.2015.05.028)

**Methoxetamine-related deaths in the UK: an overview**


Abstract and full text available from: [http://dx.doi.org/10.1002/hup.2422](http://dx.doi.org/10.1002/hup.2422)

**Deaths of individuals aged 16–24 years in the UK after using mephedrone**


Abstract and full text available from: [http://dx.doi.org/10.1002/hup.2423](http://dx.doi.org/10.1002/hup.2423)
Assessment of the management outcomes of body packers
Abstract and full text available from: http://dx.doi.org/10.1111/ans.13226

Lead toxicity
Gidlow DA. Occup Med (Oxf) 2015; 65: 348-56.
Abstract and full text available from: http://dx.doi.org/10.1093/occmed/kqv018

The relationship between cognitive impairment and global DNA methylation decrease among aluminum potroom workers
Abstract and full text available from: http://dx.doi.org/10.1097/JOM.0000000000000474

Physiologically based pharmacokinetic modeling of hydrogen cyanide levels in human breath
Abstract and full text available from: http://dx.doi.org/10.1007/s00204-014-1310-y

Comparison of acute health effects from exposures to diesel and biodiesel fuel emissions
Abstract and full text available from: http://dx.doi.org/10.1097/JOM.0000000000000473

Pulmonary fibrosis and exposure to steel welding fume
Cosgrove MP. Occup Med (Oxf) 2015; online early: doi: 10.1093/occmed/kqv093:
Abstract and full text available from: http://occmed.oxfordjournals.org/content/early/2015/07/06/occmed.kqv093.abstract

Formaldehyde exposure and mortality risks from acute myeloid leukemia and other lymphohematopoietic malignancies in the US National Cancer Institute cohort study of workers in formaldehyde industries
Abstract and full text available from: http://dx.doi.org/10.1097/JOM.0000000000000466
Acute anticholinesterase pesticide poisoning caused a long-term mortality increase: a nationwide population-based cohort study
Abstract and full text available from: http://dx.doi.org/10.1097/MD.0000000000001222

Endosulfan poisoning. Case series
Abstract and full text available from:

Specific SSRIs and birth defects: bayesian analysis to interpret new data in the context of previous reports
Abstract and full text available from: http://dx.doi.org/10.1136/bmj.h3190

Prenatal cocaine exposure and child outcomes: a conference report based on a prospective study from Cleveland
Abstract and full text available from: http://dx.doi.org/10.1002/hup.2454

Developmental outcomes of 3,4-methylenedioxymethamphetamine (ecstasy)-exposed infants in the UK
Abstract and full text available from: http://dx.doi.org/10.1002/hup.2459

Antiepileptic drugs and intrauterine death: a prospective observational study from EURAP
Abstract and full text available from: http://dx.doi.org/10.1212/WNL.0000000000001840
TOXICOLOGY

General
Cleghorn S.
What’s your poison?
Lancet 2015; 386: 328.

Analytical toxicology
Algren DA, Christian MR.
Buyer beware: pitfalls in toxicology laboratory testing.

Bursová M, Hložek T, Cabala R.
Simultaneous determination of methanol, ethanol and formic acid in serum and urine by headspace GC-FID.

Ding L, Yang L, Chen S, Li J, Wen A.
Simultaneous determination of subutinib and its active metabolite in human plasma by LC-MS/MS: application to pharmacokinetic study.

Eckart K, Röhrich J, Breitmeier D, Ferner M, Laufenberg-Clavel M, Högger P.

Gao X, Guo H, Du Y, Gu C.
Simultaneous determination of xylazine and 2,6-xylidine in blood and urine by auto solid-phase extraction and ultra high performance liquid chromatography coupled with quadrupole-time of flight mass spectrometry.

Hawkes CP, Schnellbacher S, Singh RJ, Levine MA.
25-hydroxyvitamin D can interfere with a common assay for 1,25-dihydroxyvitamin D in vitamin D intoxication.
J Clin Endocrinol Metab 2015; online early: doi: 10.1210/jc.2015-2206:

Evaluating misoprostol content in pregnant women with hourly oral administration during labor induction by microElution solid phase extraction combined with liquid chromatography tandem mass spectrometry.

Imran M, Shafi H, Wattoo SA, Chaudhary MT, Usman HF.
Analytical methods for determination of anticoagulant rodenticides in biological samples.

Jang M, Shin I, Kim J, Yang W.
Forensic Toxicol 2015; 33: 221-34.

Kirtz P, Mathiaux F, Villéger P, Gaulier J-M.
Testing for drugs in exhaled breath collected with ExoBreath® in a drug dependence population: comparison with data obtained in urine after LC-MS/MS analyses.
Ther Drug Monit 2015; online early: doi: 10.1097/FTD.0000000000000228:

Lee H, Park Y, Jo J, In S, Park Y, Kim E, Pyo J, Choe S.
Analysis of benzodiazepines and their metabolites using DBS cards and LC-MS/MS.

Mohamed KM, Cromarty D, Steenkamp V.

Fenofibric acid can cause false-positive urine methylenedioxymethamphetamine immunoassay results.
J Anal Toxicol 2015; online early: doi: 10.1093/jat/bkv074:

Scherf-Clavel M, Högger P.
Analysis of metformin, sitagliptin and creatinine in human dried blood spots.

Shintani-Ishida K, Nakamura M, Tojo M, Idota N, Ikegaya H.
Identification and quantification of 4’-methoxy-alpha-pyrrolidinobutophenone (4-MeOPBP) in human plasma and urine using LC-TOF-MS in an autopsy case.
Forensic Toxicol 2015; 33: 346-54.

Skow L, Johansen SS, Linnet K.
Postmortem quetiapine reference concentrations in brain and blood.

Biomarkers
Identification and quantification of biomarkers to confirm the poisoning by *Ginkgo biloba* seeds in a 2-year-old boy.  

Martinez-Quiroz J, Melendez-Camargo E.  
Blood biochemical markers could improve the reliability of postmortem alcohol analyses.  

Nanau RM, Neuman MG.  
Biomolecules and biomarkers used in diagnosis of alcohol drinking and in monitoring therapeutic interventions.  

van Boxtel W, Bulten BF, Mavinkurve-Groothuis AMC, Bellersen L, Mandigers CMPW, Joosten LAB, Kapusta L, de Guis-Oei LF, van Laarhoven HWM.  
New biomarkers for early detection of cardiotoxicity after treatment with docetaxel, doxorubicin and cyclo-phosphamide.  

**Body packers**

Alfa-Wall M, Atinga A, Tanham M, Iqbal Q, Meng A-Y, Mohsen Y.  
Assessment of the management outcomes of body packers.  

**Carcinogenicity**

Checkoway H, Deil LD, Boffetta P, Gallagher AE, Crawford L, Lees PSJ, Mundt KA.  
Formaldehyde exposure and mortality risks from acute myeloid leukemia and other lymphohematopoietic malignancies in the US National Cancer Institute cohort study of workers in formaldehyde industries.  

**Cardiotoxicity**

Ameer SS, Engström K, Harari F, Concha G, Vaher M, Broberg K.  
The effects of arsenic exposure on blood pressure and early risk markers of cardiovascular disease: evidence for population differences.  

Arjomandi M, Wong H, Donde A, Frelinger J, Dalton S, Ching W, Power K, Balmes JR.  
Exposure to medium and high ambient levels of ozone causes adverse systemic inflammatory and cardiac autonomic effects.  

Early detection of anthracycline cardiotoxicity and improvement with heart failure therapy.  

Cieslak-Guerra UJ, Rechcinsky T, Trzos E, Wierzbow ska-Drabik K, Uznanska-Loch B, Winnicka R, Krakowiak A, Kasprzak JD, Fröhlich C, Korpresa M.  
Cardiotoxic effect due to accidental ingestion of an organic solvent.  

Devera TS, Prusator DK, Joshi SK, Ballard JD, Lang ML.  
Immunization of mice with anthrax protective antigen limits cardiotoxicity but not hepatotoxicity following lethal toxin challenge.  
Toxins (Basel) 2015; 7: 2371-84.

Hon KL, Fung CK, Lee VY, Cheung KL, Wong W, Leung AKC.  
Neurologic and cardiovascular complications in pediatric life threatening imipramine poisoning.  

Katz AZ, Grossstreuer AV, Gaieski DF, Abella BS, Kumar V, Perrone J.  
Outcomes of patients resuscitated from cardiac arrest in the setting of drug overdose.  

Laskowsky LK, Henesch JA, Nelson LS, Hoffman RS, Smith SW.  
Start me up! Recurrent ventricular tachydysrhythmias following intentional concentrated caffeine ingestion.  

Cellular mechanisms for trazodone-induced cardiotoxicity.  
Hum Exp Toxicol 2015; online early: doi: 10.1177/0960327115595968:

Short-term relationships between emergency hospital admissions for respiratory and cardiovascular diseases and fine particulate air pollution in Beirut, Lebanon.  

Piskac O, Stribrny J, Rakovcová H, Malý M.  
Cardiotoxicity of yew.  
Cor et Vasa 2015; 57: e234-e238.

Sheth S, Tan ECC, Tan HH, Tay L.  
Herb-induced cardiotoxicity from accidental aconitine overdose.  

Tartarone A, Gallucci G, Lazzari C, Lero se R, Lombardi L, Aleta M.  
Crizotinib-induced cardiotoxicity: the importance of a proactive monitoring and management.  

Thomas SHL, Behr ER.  
Pharmacological treatment of acquired QT prolongation and torsades de pointes.  

van Boxtel W, Bulten BF, Mavinkurve-Groothuis AMC, Bellersen L, Mandigers CMPW, Joosten LAB, Kapusta L, de Guis-Oei LF, van Laarhoven HWM.  
New biomarkers for early detection of cardiotoxicity after treatment with docetaxel, doxorubicin and cyclo-phosphamide.  

Wills BK, Kwan C, Bailey M, Johnson L, Allan N.  
Recalcitrant supraventricular tachycardia: occult albuterol toxicity due to a factitious disorder.  
J Emerg Med 2015; online early: doi: 10.1016/j.jemermed.2015.05.007:

**Dermal Toxicity**

Bal ZS, Can FK, Anil AB, Bal A, Anil M, Gokalp G, Yavascan O, Aksu N.  
A rare cause of metabolic acidosis: fatal transdermal methanol intoxication in an infant.  
Pediatr Emerg Care 2015; online early:
Prenatal exposure to phthalates, bisphenol A and perfluoroalkyl substances and cord blood levels of IgE, TSLP and IL-33. Environ Res 2015; 140: 360-8.


Galatsis K.
Engineering evidence for carbon monoxide toxicity cases.

Gjerde H, Langel K, Favretto D, Verstraete AG.
Detection of illicit drugs in oral fluid from drivers as biomarker for drugs in blood.
Forensic Sci Int 2015; online early: doi: 10.1016/j.forsciint.2015.06.027:

Han E, Lee S, In S, Park M, Park Y, Cho S, Shin J, Lee H.
Relationship between methamphetamine use history and segmental hair analysis findings of MA users.
Forensic Sci Int 2015; online early: doi: 10.1016/j.forsciint.2015.06.029:

Iliescu-Bulgaru D, Costea G, Scirpoulu A, Ciubara AM.
Homicide and alcohol consumption. a medico-legal and psychiatric interdisciplinary approach. Multivariate analysis.

Imran M, Shafi H, Wattoo SA, Chaudhary MT, Usman HF.
Analytical methods for determination of anticoagulant rodenticides in biological samples.

Jang M, Shin I, Kim J, Yang W.
Simultaneous quantification of 37 synthetic cannabinoid metabolites in human urine by liquid chromatography-tandem mass spectrometry.
Forensic Toxicol 2015; 33: 221-34.

Katselou M, Papoutsis I, Nikolaou P, Spiliopoulou C, Athanaselis S.
AH-7921: the list of new psychoactive opioids is expanded.

Lee H, Park Y, Jo J, In S, Park Y, Kim E, Pyo J, Choe S.
Analysis of benzodiazepines and their metabolites using DBS cards and LC-MS/MS.

Nicolas ACS, Lemos NP.
Toxicology findings in cases of hanging in the City and County of San Francisco over the 3-year period from 2011 to 2013.

Oosting R, van der Hulst R, Pescher L, Verschraegen M.
Toxicological findings in three cases of suicidal asphyxiation with helium.
Forensic Sci Int 2015; online early: doi: 10.1016/j.forsciint.2015.06.028:

Shearer K, Bryce C, Parsons M, Torrance H.
Phenazepam: a review of medico-legal deaths in South Scotland between 2010 and 2014.

Shintani-Ishida K, Nakamura M, Tojo M, Idota N, Ikegaya H.
Identification and quantification of 4’-methoxy-alpha-pyrrolidinobutophenone (4-MeOPBP) in human plasma and urine using LC-TOF-MS in an autopsy case.
Forensic Toxicol 2015; 33: 348-54.

Suwannachom N, Thananchai T, Junkuy A, O’Brien TE, Srirbanditmongkol P.
Duration of detection of methamphetamine in hair after abstinence.

A case of fatal intoxication due to the new designer drug 25B-NBOMe.
Forensic Toxicol 2015; 33: 396-401.

Genotoxicity
Huovinen M, Loikkanen J, Naarala J, Vähäkangas K.
Toxicity of diuron in human cancer cells.
Toxicol Vitro 2015; 29: 1577-86.

Early life lead exposure causes gender-specific changes in the DNA methylation profile of DNA extracted from dried blood spots.

Senapati VA, Kumar A, Gupta GS, Pandey AK, Dhawan A.
ZnO nanoparticles induced inflammatory response and genotoxicity in human blood cells: a mechanistic approach.
Food Chem Toxicol 2015; online early: doi: 10.1016/j.fct.2015.06.018:

The relationship between cognitive impairment and global DNA methylation decrease among aluminum potroom workers.

Hepatotoxicity
Ballet F.
Preventing drug-induced liver injury: how useful are animal models?

Benesic A, Gerbes AL.
Drug-induced liver injury and individual cell models.
Dig Dis 2015; 33: 486-91.

Calitz C, Du Plessis L, Gouws C, Steyn D, Steenekamp J, Muller C, Hamman S.
Herbal hepatotoxicity: current status, examples, and challenges.
Expert Opin Drug Metab Toxicol 2015; online early: doi: 10.1517/17425255.2015.1064110:

Devera TS, Prusator DK, Joshi SK, Ballard JD, Lang ML.
Immunization of mice with anthrax protective antigen limits cardiotoxicity but not hepatotoxicity following lethal toxin challenge.
Toxins (Basel) 2015; 7: 2371-84.

Galvin Z, McDonough A, Ryan J, Stewart S.
Blood alanine aminotransferase levels >1,000 IU/l - Causes and outcomes.

Jaeschke H.
Acetaminophen: dose-dependent drug hepatotoxicity and acute liver failure in patients.


Inhalation toxicity

Cosgrove MP. Pulmonary fibrosis and exposure to steel welding fume. Occup Med (Oxf) 2015; online early: doi: 10.1093/occmed/kqv093:


Kinetics


Nephrotoxicity


Neurotoxicity


Acute and long-term exposure to chlorpyrifos induces cell death of basal forebrain cholinergic neurons through AChE variants alteration.
Toxicology 2015; online early: doi: 10.1016/j.tox.2015.07.004:

Frykberg RG, Gordon S, Tierney E, Banks J. Linezolid-associated serotonin syndrome a report of two cases.

Neurotoxicology 2015; 49: 158-64.


Toxicology 2015; 335: 1-10.

Liu J, Parsons L, Pope C. Comparative effects of parathion and chlorpyrifos on endocannabinoid and endocannabinoid-like lipid metabolites in rat striatum.
Neurotoxicology 2015; online early: doi: 10.1016/j.neuro.2015.07.006:


Motsoeneng PM, Dalvie MA. Relationship between urinary pesticide residue levels and neurotoxic symptoms among women on farms in the Western Cape, South Africa.


Richendrfer H, Creton R. Chlorpyrifos and malathion have opposite effects on behaviors and brain size that are not correlated to changes in AChE activity.

Sindhu KK, Sutherland WW. Role of lead in the central nervous system: effect on electroencephalography, evoked potentials, electroretinography, and nerve conduction.

Toxicon 2015; 103: 1-11.


Toxicology 2015; online early: doi: 10.1016/j.tox.2015.07.014:

Occupational toxicology

Cosgrove MP. Pulmonary fibrosis and exposure to steel welding fume.
Occup Med (Oxf) 2015; online early: doi: 10.1093/occmed/kqv093:

De D, Khullar G, Handa S. Performance of a commercially available plant allergen series in the assessment of suspected occupational contact dermatitis to plants in north Indian patients.


Gidlow DA. Lead toxicity.
Occup Med (Oxf) 2015; 65: 348-56.


Krasnov V, Kryukov V, Samedova E, Emelianova I, Ryzhova I.


Rivas-Coppola MS, Patterson AL, Morgan R, Wheless JW.
BuPROPion overdose presenting as status epilepticus in an infant.  
Pediatri Neurol 2015; online early:  
doi: 10.1016/j.pediatrieneur.2015.05.018:

Ruwanpathirana R, Abdel-Latif ME, Burns L, Chen J, Craig F, Liu K, Oei JL.  
Prematurity reduces the severity and need for treatment of neonatal abstinence syndrome.  
Acta Paediatr 2015; 104: e188-e194.

Sauer H, Woliny C, Oster I, Tutdibi E, Gortner L, Gotschiling S, Meyer S.  
Severe cyanide poisoning from an alternative medicine treatment with amygdalin and apricot kernels in a 4-year-old child.  

Sharif MR, Nouri S.  
Clinical signs and symptoms and laboratory findings of methadone poisoning in children.  

Prenatal exposure to persistent organochlorine pollutants is associated with high insulin levels in 5-year-old girls.  

Comparison of snakebite cases in children and adults.  

Trasande L, Attina TM.  
Association of exposure to di-2-ethylhexylphthalate replacements with increased blood pressure in children and adolescents.  

Vieira SE.  
The health burden of pollution: the impact of prenatal exposure to air pollutants.  

Perchlorate: water and infant formulae contamination in France and risk assessment in infants.  

Prenatal exposure to perfluoroalkyl substances and children's IQ: the Taiwan Maternal and Infant Cohort Study.  
Int J Hyg Environ Health 2015; online early:  
doi: 10.1016/j.ijheh.2015.07.002:

Wangchuk T, Mazaheri M, Clifforf S, Dudzinska MR, He C, Buonanno G, Moravksa L.  
Children's personal exposure to air pollution in rural villages in Bhutan.  

Wilhelm M, Wittsiepe J, Völkel W, Fromme H, Kasper-Sonnenc M.  
Perfluoroalkyl acids in children and their mothers: association with drinking water and time trends of inner exposures – Results of the Duisburg birth cohort and Bochum cohort studies.  
Int J Hyg Environ Health 2015; online early:  
doi: 10.1016/j.ijheh.2015.07.001:

Yalçın SS, Örün E, Yalçın S, Akyut O.  
Organochlorine pesticide residues in breast milk and maternal psychopathologies and infant growth from suburban area of Ankara, Turkey.  

Polymorphisms  
Mitrí S, Fonseca ASA, Otero UB, Tabalipa MM, Moreira JC, de Novaes Sarceinelli P.  
Metabolic polymorphisms and clinical findings related to benzene poisoning detected in exposed Brazilian gas-station workers.  

Psychiatric aspects  
Is there any difference in patterns of use and psychiatric symptom status between injectors and non-injectors of mephedrone?  

Kim NH, Kim HC, Lee JY, Lee J-M, Suh I.  
Association between environmental tobacco smoke and depression among Korean women.  

Le Querrec F, Bounes V, Mestre ML, Azema O, Longeaux N, Gallart J-C.  
Gender and age differences in emergency department patients with mental and behavioral disorders due to psychoactive substance use.  
Am J Emerg Med 2015; online early:  
doi: 10.1016/j.ajem.2015.06.068:

Prolonged neuropsychiatric effects following management of chloroquine intoxication with psychotropic polypharmacy.  

Moon E, Suh H, Lee BD, Park JM, Lee YM, Jeong HJ.  
A case of acute psychosis in a patient following exposure to a single high dose of styrene.  
Asia Pac Psychiatry 2015; 7: 337-8.

Yalçın SS, Örün E, Yalçın S, Akyut O.  
Organochlorine pesticide residues in breast milk and maternal psychopathologies and infant growth from suburban area of Ankara, Turkey.  

Reprotoxicity  
Perfluoroalkyl acids and time to pregnancy revisited: an update from the Danish National Birth Cohort.  
Environ Health 2015; 14: 59.

Costa NO, Vieira ML, Sgarioni V, Pereira MRF, Montagnini BG, de Fátima Pacquesina S, Gerardin DCC.
Evaluation of the reproductive toxicity of fungicide propiconazole in male rats. Toxicology 2015; online early: doi: 10.1016/j.tox.2015.06.011:


Risk assessment


Suicide


MANAGEMENT

General

Alam-Mehrjerdi Z, Mokri A, Dolan K. Methamphetamine use and treatment in Iran: a systematic review from the most populated Persian Gulf country. Asian J Psychiatr 2015; online early: doi: 10.1016/j.ajp.2015.05.036:


Acamprosate


Antidotes

Acetylcysteine


Antivenom


Das RR, Sankar J, Dev N.


**Flumazenil**


**Hyperbaric oxygen therapy**


**Lipid emulsion therapy**


**Methylthioninium chloride (Methylene blue)**

Graham RE, Cartner M, Winears J. A severe case of vasoplegic shock following metformin overdose successfully treated with methylene blue as a last line therapy. BMJ Case Rep 2015; doi: 10.1136/bcr-2015-210229:

**Oximes**


**Adiponectin**


**Bioscavengers**


**Cyclophosphamide**


**Dexmedetomidine**

Extracorporeal treatments
Boisramé-Helms J, Rahmani H, Stiel L, Tournoud C, Sauder P.
Extracorporeal life support in the treatment of colchicine poisoning.

Haemoperfusion
Clearance rate and BP-ANN model in paraquat poisoned patients treated with hemoperfusion.

Plasmapheresis
Disel NR, Akpinar AA, Sebe A, Karakoç E, Sürer S, Matyar S.
Therapeutic plasma exchange in poisoning: eight years' experience of a university hospital.

Glucocorticoids
Effect of pulse therapy with glucocorticoids and cyclophosphamide in patients with paraquat poisoning.

Hydrogen sulphide
Zhang J, Wu H, Zhao Y, Zu H.
Therapeutic effects of hydrogen sulfide in treating delayed encephalopathy after acute carbon monoxide poisoning.

Menadione
Vitamin K3 (menadione) redox cycling inhibits cytochrome P450-mediated metabolism and inhibits parathion intoxication.

Opioid maintenance therapy
Buprenorphine
Ng CM, Dombrowsky E, Lin H, Erlich ME, Moody DE, Barrett JS, Kraft WK.
Population pharmacokinetic model of sublingual buprenorphine in neonatal abstinence syndrome.

Methadone
Mijatovic V, Samojlik I, Petkovic S, Uvelin A, Dickov A, Popov T, Pejakovic J.
Consequences of cardiac toxicity in patients on low methadone doses during methadone maintenance treatment.
Provenza N, Calpena AC, Mallandrich M, Pueyo B, Clares B.
Design of pediatric oral formulations with a low proportion of methadone or phenobarbital for the treatment of neonatal abstinence syndrome.

Methadone continuation versus forced withdrawal on incarceration in a combined US prison and jail: a randomised, open-label trial.

Ilicit heroin and methamphetamine use among methadone maintenance treatment patients in Dehong Prefecture of Yunnan Province, China.

Naloxone
Bachhuber MA, McGinty EE, Kennedy-Hendricks A, Niederdeppe J, Barry CL.
Messaging to increase public support for naloxone distribution policies in the United States: results from a randomized survey experiment.

Buprenorphine
Ng CM, Dombrowsky E, Lin H, Erlich ME, Moody DE, Barrett JS, Kraft WK.
High uptake of naloxone-based overdose prevention training among previously incarcerated syringe-exchange program participants.

Neale J, Strang J.
Naloxone—does over-antagonism matter? Evidence of iatrogenic harm after emergency treatment of heroin/opioid overdose.

Midazolam
Chapman S, Yaakov G, Egoz I, Rabinovitz I, Raveh L, Kadar T, Gilat E, Grauer E.
Sarin-induced brain damage in rats is attenuated by delayed administration of midazolam.

Monoclonal antibodies
Monoclonal antibody, mAb 4C13, an effective detoxicant antibody against ricin poisoning.
Vaccine 2015; online early: doi: 10.1016/j.vaccine.2015.06.096.

Phenobarbital
Provenza N, Calpena AC, Mallandrich M, Pueyo B, Clares B.
Design of pediatric oral formulations with a low proportion of methadone or phenobarbital for the treatment of neonatal abstinence syndrome.

Ballet F.
Preventing drug-induced liver injury: how useful are animal models?

Benesic A, Gerbes AL.
Drug-induced liver injury and individual cell models.
Dig Dis 2015; 33: 486-91.

Chen H-Y, Albertson TE, Olson KR.
Treatment of drug-induced seizures.
Br J Clin Pharmacol 2015; online early:
doi: 10.1111/bcp.12720:

Davanzo R, Bua J, De Cunto A, Farina ML, De Ponti F, Clavenna A, Mandrella S, Sagone A, Clementi M.
Advising mothers on the use of medications during breastfeeding: a need for a positive attitude.
J Hum Lact 2015; online early:
doi: 10.1177/0890334415595513:

Fettiplace MR, Akpa BS, Rubinstein I, Weinberg G.
Confusion about infusion: rational volume limits for intravenous lipid emulsion during treatment of oral overdoses.

Galvin Z, McDonough A, Ryan J, Stewart S.
Blood alanine aminotransferase levels >1,000 IU/l - Causes and outcomes.

Gjerde H, Langel K, Favretto D, Verstraete AG.
Detection of illicit drugs in oral fluid from drivers as biomarker for drugs in blood.
Forensic Sci Int 2015; online early:
doi: 10.1016/j.forsciint.2015.06.027:

Heilbrun LP, Palmer RF, Jaen CR, Svoboda MD, Miller CS, Perkins J.
Maternal chemical and drug intolerances: potential risk factors for autism and attention deficit hyperactivity disorder (ADHD).

Jones HE, Fielder A.
Neonatal abstinence syndrome: historical perspective, current focus, future directions.
Prev Med 2015; online early:
doi: 10.1016/j.pmed.2015.07.017:

Katz AZ, Grossestreuter AV, Gaieski DF, Abella BS, Kumar V, Perrone J.
Outcomes of patients resuscitated from cardiac arrest in the setting of drug overdose.

Kintz P, Mathiaux F, Villégé P, Gaulier J-M.
Testing for drugs in exhaled breath collected with ExaBreath® in a drug dependence population: comparison with data obtained in urine after LC-MS/MS analyses.
Ther Drug Monit 2015; online early:
doi: 10.1097/FDM.0000000000002228:

Lalosevic J, Nikolic M, Gajic-Veljic M, Skiljevic D, Medenica L.

O’Brien JE, Dumas HM, Leslie D.
Neonatal abstinence outcomes in post-acute care: a brief report.

Orhan H.

Extrahepatic targets and cellular reactivity of drug metabolites.

Provenza N, Calpena AC, Mallandrich M, Pueyo B, Clares B.
Design of pediatric oral formulations with a low proportion of methadone or phenobarbital for the treatment of neonatal abstinence syndrome.
Pharm Dev Technol 2015; online early:
doi: 10.3109/10837450.2015.1055765:

Richardson R, Charters T, King N, Harper S.
Am J Public Health 2015; online early:
doi: 10.2105/AJPH.2015.302697:

Ruwanpathirana R, Abdel-Latif ME, Burns L, Chen J, Craig F, Lui K, Oei JL.
Prematurity reduces the severity and need for treatment of neonatal abstinence syndrome.
Acta Paediatr 2015; 104: e188-e194.

Schierf-Clavel M, Högger P.
Analysis of metformin, sitagliptin and creatinine in human dried blood spots.

Skeff LB.
Drug-induced liver injury is a major risk for new drugs.

Shukla P, Singh R.
Potential pharmacological interventions against hematotoxicity: an overview.

Väänämäki J, Ojanperä I.
Photodiode array to charged aerosol detector response ratio enables comprehensive quantitative monitoring of basic drugs in blood by ultra-high performance liquid chromatography.

Watkins PB.
How to diagnose and exclude drug-induced liver injury.

Causes, features, and outcomes of drug-induced liver injury in 69 children from China.

Acetaminophen (see paracetamol)

Amfetamines and MDMA (ecstasy)

Alam-Mehrjerdi Z, Mokri A, Dolan K.
Methamphetamine use and treatment in Iran: a systematic review from the most populated Persian Gulf country.
Asian J Psychiatr 2015; online early:
doi: 10.1016/j.ajp.2015.05.036:

Han E, Lee S, In S, Park M, Park Y, Cho S, Shin J, Lee H.
Relationship between methamphetamine use history and segmental hair analysis findings of MA users.
Forensic Sci Int 2015; online early:
doi: 10.1016/j.forsciint.2015.06.029:


Anaesthetics


Prilocaine

Antiarhythmics
Flecainide

Antibiotics

Colistin

Gentamicin

Anticoagulants

Apixaban

Warfarin

Lacosamide

Phenytoin
Valproate

Antidepressants
Bupropion
Rivas-Coppola MS, Patterson AL, Morgan R, Wheless JW. Bupropion overdose presenting as status epilepticus in an infant.
Pediatr Neurol 2015; online early: doi: 10.1016/j.pediatrneurol.2015.05.018:

Trazodone
Hum Exp Toxicol 2015; online early: doi: 10.1177/096032715595683:

Antihistamines
Diphenhydramine
Varney SM, Bebarta VS, Boudreau SM, Vargas TE, Castaneda M, Zarzabal LA. Intravenous lipid emulsion therapy for severe diphenhydramine toxicity: a randomized, controlled pilot study in a swine model.
Ann Emerg Med 2015; online early: doi: 10.1016/j.annemergmed.2015.05.028:

Antimalarial drugs
Chloroquine

Antineoplastics
van Boxtel W, Bulten BF, Mavinkurve-Groothuis AMC, Bellersen L, Mandigers CMPW, Joosten LAB, Kapusta L, de Guis-Oei LF; van Laarhoven HWM. New biomarkers for early detection of cardiotoxicity after treatment with docetaxel, doxorubicin and cyclophosphamide.

Cisplatin

Crizotinib

Subutinib
Ding L, Yang L, Chen S, Li J, Wen A. Simultaneous determination of subutinib and its active metabolite in human plasma by LC-MS/MS: application to pharmacokinetic study.

Vinblastin

Antipsychotics
Olanzapine
Valeriani G, Corazza O, Bersani FS, Melcore C, Metastasio A, Bersani G, Schifano F. Olanzapine as the ideal “trip terminator”? Analysis of online reports relating to antipsychotics’ use and misuse following occurrence of novel psychoactive substance-related psychotic symptoms.
Hum Psychopharmacol 2015; 30: 249-54.

Quetiapine

Skov L, Johansen SS, Linnet K. Postmortem quetiapine reference concentrations in brain and blood.

Antituberculous drugs
Ethambutol
Garg P, Garg R, Prasad R, Mishra AK. A prospective study of ocular toxicity in patients receiving ethambutol as a part of directly observed treatment strategy therapy.

Antitussives
Lowry JA, Leeder JS. Over-the-counter medications: update on cough and cold preparations.

Baclofen
Malak M, Barzegar M. Baclofen induced encephalopathy in a 6-year-old boy with advanced renal failure.

Barbiturates
Pentobarbital
Int J Legal Med 2015; online early: doi: 10.1007/s00414-015-1231-1:

Benzodiazepines
Parent and metabolite opioid drug concentrations in unintentional deaths involving opioid and benzodiazepine combinations.

Jones CM, McAninch JK.
Emergency department visits and overdose deaths from combined use of opioids and benzodiazepines.

Lee H, Park Y, Jo J, In S, Park Y, Kim E, Pyo J, Choe S.
Analysis of benzodiazepines and their metabolites using DBS cards and LC-MS/MS.

Nurse-driven pediatric analgesia and sedation protocol reduces withdrawal symptoms in critically ill medical pediatric patients.

Phenazepam
Shearer K, Bryce C, Parsons M, Torrance H.
Phenazepam: a review of medico-legal deaths in South Scotland between 2010 and 2014.

Beta-blockers
Markota A, Hajdinjak E, Rupnik B, Sinkovic A.
Treatment of near-fatal beta blocker and calcium channel blocker intoxication with hyperinsulimic euglycemia, intravenous lipid emulsions and high doses of nor-epinephrine.

Caffeine
Cheng W-J, Huang M-C, Cheng Y, Chen C-H, Chen C-J.
Consumption of alcoholic energy drinks is associated with work-related injury or disease among manual workers in Taiwan.
Alcohol Alcohol 2015; 50: 458-62.

Cytotoxic drugs
Early detection of anthracycline cardiotoxicity and improvement with heart failure therapy.

Methotrexate

**Designer drugs**

Anon.


**Ethylphenidate**


**Phenethylamines**


**Fenofibrate**


**Synthetic cannabinoids**


**Synthetic cathinones**

Kudo K, Usamoto Y, Kikura-Hanajiri R, Sameshima N, Tsuji A, Ikeda N. A fatal case of poisoning related to new cathinone designer drugs, 4-methoxy PV8, PV9, and 4-methoxy PV9, and a dissociative agent, diphenidine. Leg Med 2015; online early: doi: 10.1016/j.legalmed.2015.06.005:

**Mephedrone**


**Herbal medicines, ethnic remedies and dietary supplements**


Laskowski LK, Henesch JA, Nelson LS, Hoffman RS, Smith SW.


Aconitine

Heroin (diacetylmorphine)


Hydroxychloroquine

Hypoglycaemic drugs
Metformin
Graham RE, Carter M, Winears J. A severe case of vasoplegic shock following metformin overdose successfully treated with methylene blue as a last line therapy. BMJ Case Rep 2015; doi: 10.1136/bcr-2015-210229:

Ibogaine

Insulin

Levothyroxine

Lithium

Methoxetamine

Misoprostol
Monoamine oxidase inhibitors

**Linezolid**
Frykberg RG, Gordon S, Tierney E, Banks J.
Linezolid-associated serotonin syndrome a report of two cases.

**Nicotine**
Kim JW, Baum CR.
Liquid nicotine toxicity.

Parrott AC.
Why all stimulant drugs are damaging to recreational users: an empirical overview and psychobiological explanation.

Nitrites
Lindenmann J, Fink-Neuboeck N, Schilcher G, Smolle-Juettner FM.
Severe methaemoglobinaemia treated with adjunctive hyperbaric oxygenation.

Opioids
Chung CP, Callahan ST, Cooper WO, Murray KT, Hall K, Dudley JA, Michael SC, Ray WA.
Development of an algorithm to identify serious opioid toxicity in children.
BMC Res Notes 2015; 8: 293.

Parent and metabolite opioid drug concentrations in unintentional deaths involving opioid and benzodiazepine combinations.

Thallium exists in opioid poisoned patients.
Daru 2015; 23: 39.

Jobski K, Kollhorst B, Schink T, Garbe E.
The risk of opioid intoxications or related events and the effect of alcohol-related disorders: a retrospective cohort study in German patients treated with high-potency opioid analogues.

Jones CM, McAninch JK.
Emergency department visits and overdose deaths from combined use of opioids and benzodiazepines.

Katselou M, Papoutsis I, Nikolaou P, Spiliopoulos C, Athanaselis S.
AH-7921: the list of new psychoactive opioids is expanded.

Lee AS, Twigg SM.
Opioid-induced secondary adrenal insufficiency presenting as hypercalcaemia.
Endocrinol Diabetes Metab Case Rep 2015; 2015: EDM150035.

Lin LA, Bohnert ASB, Ilgen MA, Pfeiffer PN, Ganoczy D, Blow FC.
Outpatient provider contact prior to unintentional opioid overdose among VHA service users.
Psychiatr Serv 2015; online early: doi: 10.1176/appi.ps.201400194:

Martin PR, Finlayson AJR.
Opioid use disorder during pregnancy in Tennessee: expediency vs. science.

Metz VE, Comer SD, Pribasnig A, Wuerzl J, Fischer G.
Observational study in an outpatient clinic specializing in treating opioid-dependent pregnant women: neonatal abstinence syndrome in infants exposed to methadone-, buprenorphine- and slow-release oral morphine.
Heroin Addict Rel Clin Probl 2015; 17: 5-16.

Neale J, Strang J.
Naloxone—does over-antagonism matter? Evidence of iatrogenic harm after emergency treatment of heroin/opioid overdose.
Addiction 2015; online early: doi: 10.1111/add.13027:

**Methadone**

Mijatovic V, Samojlik I, Petkovic S, Uvelin A, Dickov A, Popov T, Pejakovic J.
Consequences of cardiac toxicity in patients on low methadone doses during methadone maintenance treatment.

Mostafavi S-A, Bidaki R.
Priapism followed by discontinuation of methadone: a rare case report.

Nikolaou V, Luty J.
Methadone deaths in Scotland.

Sharif MR, Nouri S.
Clinical signs and symptoms and laboratory findings of methadone poisoning in children.

Child poisonings with methadone in France: a 6-year prospective national survey since the availability of capsules in 2008.

**Methorphan**
Bertaso A, Musile G, Gottardo R, Seri C, Tagliaro F.
Chiral analysis of methorphan in opiate-overdose related deaths by using capillary electrophoresis.
**Naloxone**
Neale J, Strang J.
Naloxone—does over-antagonism matter? Evidence of iatrogenic harm after emergency treatment of heroin/opioid overdose.
Addiction 2015; online early: doi: 10.1111/add.13027:

**Pethidine**
Durga Devi NK, Putta M, Satyasesha Sree Y, Naveena P, Sravani P.
Pharmanest 2015; 6: 2834-5.

**Tramadol**
Beakley BD, Kaye AM, Kaye AD.
Tramadol, pharmacology, side effects, and serotonin syndrome: a review.

**Paracetamol (acetaminophen)**
Chen SJ, Lin CS, Hsu CW, Lin CL, Kao CH.
Acetaminophen poisoning and risk of acute pancreatitis: a population-based cohort study.
Medicine (Baltimore) 2015; 94: e1195.
Jaeschke H.
Acetaminophen: dose-dependent drug hepatotoxicity and acute liver failure in patients.
Comparison of bile acids and acetaminophen protein adducts in children and adolescents with acetaminophen toxicity.
Pang C, Sheng Y, Jiang P, Wei H, Ji L.
Chlorogenic acid prevents acetaminophen-induced liver injury: the involvement of CYP450 metabolic enzymes and some antioxidant signals.
Wong A, Sivilotti MLA, Dargan PJ, Wood DM, Greene SL.
External validation of the paracetamol-aminotransferase multiplication product to predict hepatotoxicity from paracetamol overdose.

**Propylthiouracil**
Propylthiouracil induced pulmonary-renal syndrome: a case report.

**Salicylate**
Seneviratne MP, Karunarathne S, de Alwis AH, Fernando AHN, Fernando R.
Accidental methyl salicylate poisoning in two adults.

**Sildenafil**
Francesconi G, Orsolini L, Papanti D, Corkery JM, Schifano F.
Sildenafil as the ‘baby ecstasy’? Literature overview and analysis of web-based misusers’ experiences.

**Serotonin reuptake inhibitors (SSRIs and SNRIs)**
Gentile S.
Early pregnancy exposure to selective serotonin reuptake inhibitors, risks of major structural malformations, and hypothesized teratogenic mechanisms.
Expert Opin Drug Metab Toxicol 2015; online early: doi: 10.1517/17425255.2015.1063614:
Reefhuis J, Devine O, Friedman JM, Louik C, Honein MA, on behalf of the National Birth Defects Prevention Study.
Specific SSRIs and birth defects: bayesian analysis to interpret new data in the context of previous reports.

**Venlafaxine**
Francesconi G, Orsolini L, Papanti D, Corkery JM, Schifano F.
Venlafaxine as the ‘baby ecstasy’? Literature overview and analysis of web-based misusers’ experiences.

**Statins**
Le Querrec F, Bounes V, Mestre ML, Azema O, Longeaux N, Gallart J-C.
Gender and age differences in emergency department patients with mental and behavioral disorders due to psychoactive substance use.

**Substance abuse**
Serum zinc, copper, iron, and magnesium levels in Iranian drug users: a case control study.
J Addict Med 2015; online early: doi: 10.1097/ADM.0000000000000134:
Bersani FS, Imperatori C, Philutskaya M, Kuliev R, Corazza O.
Injecting eye-drops: a mini-review on the non-clinical use of tropicamide.

**SSRIs and SNRIs**
Gentile S.
Early pregnancy exposure to selective serotonin reuptake inhibitors, risks of major structural malformations, and hypothesized teratogenic mechanisms.
Expert Opin Drug Metab Toxicol 2015; online early: doi: 10.1517/17425255.2015.1063614:
Reefhuis J, Devine O, Friedman JM, Louik C, Honein MA, on behalf of the National Birth Defects Prevention Study.
Specific SSRIs and birth defects: bayesian analysis to interpret new data in the context of previous reports.

**Tricyclic antidepressants**

**Imipramine**

**Tropicamide**

**Veterinary products**

**Xylazine**

**Vitamins**

**Calciferol**
Hawkes CP, Schnellbacher S, Singh RJ, Levine MA. 25-hydroxyvitamin D can interfere with a common assay for 1,25-dihydroxyvitamin D in vitamin D intoxication. J Clin Endocrinol Metab 2015; online early: doi: 10.1210/jc.2015-2206:

**CHEMICAL INCIDENTS AND POLLUTION**

**Air pollution**


**Exhaust fumes**


**PM$_{10}$**
Winckelmans E, Cox B, Martens E, Fierens F, Nemery B, Nawrot TS.
Fetal growth and maternal exposure to particulate air pollution — More marked effects at lower exposure and modification by gestational duration.

Yorifuji T, Bae S, Kashima S, Tsuda T, Doi H, Honda Y, Kim H, Hong YC.
Health impact assessment of PM10 and PM2.5 in 27 Southeast and East Asian Cities.

### Chemical incidents

Effects of environmental cadmium and lead exposure on adults neighboring a discharge: evidences of adverse health effects.

Zhang Y, Wang X, Sharma K, Mao X, Qiu X, Ni L, Han C.
Injuries following a serious hydrofluoric acid leak: first aid and lessons.
Burns 2015; online early: doi: 10.1016/j.burns.2015.04.002:

### Pollution and hazardous waste

Curren MS, Liang CL, Davis K, Kandola K, Brewster J, Potryala M, Chan HM.
Assessing determinants of maternal blood concentrations for persistent organic pollutants and metals in the eastern and western Canadian Arctic.

Prenatal exposure to persistent organochlorine pollutants is associated with high insulin levels in 5-year-old girls.

### Water pollution

Dutta K, Prasad P, Sinha D.
Chronic low level arsenic exposure evokes inflammatory responses and DNA damage.

Huang L, Wu H, van der Kuip TJ.
The health effects of exposure to arsenic-contaminated drinking water: a review by global geographical distribution.

### CHEMICALS

#### General

Dantoft TM, Andersson L, Nordin S, Skovbjerg S.
Chemical intolerance.

Heilbrun LP, Palmer RF, Jaen CR, Svoboda MD, Miller CS, Perkins J.
Maternal chemical and drug intolerances: potential risk factors for autism and attention deficit hyperactivity disorder (ADHD).

Prenatal phthalate, perfluorooalkyl acid, and organochlorine exposures and term birth weight in three birth cohorts: multi-pollutant models based on elastic net regression.
Environ Health Perspect 2015; online early: doi: 10.1289/ehp.1408933:

#### Alcohol (ethanol)

Aksel G, Özel BA, Güler S, Kavalci C, Dogan NÖ, Corbacıoğlu SK.
The association between blood alcohol levels and the severity of head trauma in patients with minor head trauma.

Bursová M, Hložek T, Cabala R.
Simultaneous determination of methanol, ethanol and formic acid in serum and urine by headspace GC-FID.
J Anal Toxicol 2015; online early: doi: 10.1093/jat/bkv075:

Cheng W-J, Huang M-C, Cheng Y, Chen C-H, Chen C-J.
Consumption of alcoholic energy drinks is associated with work-related injury or disease among manual workers in Taiwan.
Alcohol Alcohol 2015; 50: 458-62.

Cannabis effects on driving lateral control with and without alcohol.
Drug Alcohol Depend 2015; online early: doi: 10.1016/j.drugalcdep.2015.06.015:

Higuchi S.
Efficacy of acamprosate for the treatment of alcohol dependence long after recovery from withdrawal syndrome: a randomized, double-blind, placebo-controlled study conducted in Japan (Sunrise Study).

Iliescu-Bulgariu D, Costea G, Scripcaru A, Ciubara AM.
Homicide and alcohol consumption. a medico-legal and psychiatric interdisciplinary approach. Multivariate analysis.

Jobski K, Kollhorst B, Schink T, Garbe E.
The risk of opioid intoxications or related events and the effect of alcohol-related disorders: a retrospective cohort study in German patients treated with high-potency opioid analgesics.
Drug Saf 2015; online early: doi: 10.1007/s40264-015-0312-x:

Martinez-Quiroz J, Melendez-Camargo E.
Blood biochemical markers could improve the reliability of postmortem alcohol analyses.

Identification and management of alcohol withdrawal syndrome.

Nanau RM, Neuman MG.
Biomolecules and biomarkers used in diagnosis of alcohol drinking and in monitoring therapeutic interventions.

Self-efficacy to drive while intoxicated: insights into the persistence of alcohol-impaired driving.

Scheenen ME, de Koning ME, van der Horn HJ, Roks G, Yilmaz T, van der Naalt J, Spikman JM.
J Neurotrauma 2015; online early: doi: 10.1089/neu.2015.3926:

Wang W-C, Yang H-C, Chen Y-J.
Acute multiple focal neuropathies and delayed postanoxic encephalopathy after alcohol intoxication.

Wong A, Benedict NJ, Lohr BR, Pizon AF, Kane-Gill SL.
Management of benzodiazepine-resistant alcohol withdrawal across a healthcare system: benzodiazepine dose-escalation with or without propofol.
Drug Alcohol Depend 2015; online early: doi: 10.1016/j.drugalcdep.2015.07.005:

Aniline
Occupational contact dermatitis caused by aniline epoxy resins in the aircraft industry.

Benzene
Mitri S, Fonseca ASA, Otero UB, Tabalipa MM, Moreira JC, de Novaes Sarcinelli P.
Metabolic polymorphisms and clinical findings related to benzene poisoning detected in exposed Brazilian gas-station workers.

Singh SP, Singh G, Verma Y, Rana SVS.
Biological monitoring of exposure to benzene and toluene in tyre retreaders.

Bisphenol A
Ashley-Martin J, Dodds L, Levy AR, Platt RW, Marshall JS, Arbuckle TE.
Prenatal exposure to phthalates, bisphenol A and perfluoroalkyl substances and cord blood levels of IgE, TSLP and IL-33.

Mikolajewska K, Stragierowicz J, Gromadzinska J.
Bisphenol A – Application, sources of exposure and potential risks in infants, children and pregnant women.

Mustieles V, Pérez-Lobato R, Olea N, Fernández MF.
Bisphenol A: human exposure and neurobehavior.

Carbon black
Indoor air sampling for fine particulate matter and black carbon in industrial communities in Pittsburgh.

Carbon monoxide
Callosal damage and cognitive deficits in chronic carbon monoxide intoxication: a diffusion tensor imaging study.

Damlapinar R, Arikani FI, Sahin S, Dallar Y.
Lactate level is more significant than carboxihemoglobin level in determining prognosis of carbon monoxide intoxication of childhood.
Pediatr Emerg Care 2015; online early: doi: 10.1097/PEC.0000000000000452:

Galatsis K.
Engineering evidence for carbon monoxide toxicity cases.

Hampson NB, Dunn SL.
Carbon monoxide poisoning from portable electrical generators.

Utilizing cerebral perfusion scan and diffusion-tensor MR imaging to evaluate the effect of hyperbaric oxygen therapy in carbon monoxide-induced delayed neuropsychiatric sequelae- A case report and literature review.
Acta Neurol Taiwan 2015; 24: 57-62.

Lu Q, Lv W, Tian J, Zhang L, Zhu B.

Prognostic value of plasma visfatin level for Chinese patients with severe carbon monoxide poisoning.

Predicting poor outcome in patients with intentional carbon monoxide poisoning and acute respiratory failure: a retrospective study.

Zhang J, Wu H, Zhao Y, Zu H.
Therapeutic effects of hydrogen sulfide in treating delayed encephalopathy after acute carbon monoxide poisoning.
Am J Ther 2015; online early: doi: 10.1097/MJT.0000000000000290:

Chlorine
Chowdhury S.
Predicting human exposure and risk from chlorinated indoor swimming pool: a case study.

Soman AR, Sundararaj G.
Accidental release of chlorine from a storage facility and an on-site emergency mock drill: a case study.

Contrast media
Sadat U, Usman A, Boyle JR, Hayes PD, Solomon RJ.
Contrast medium-induced acute kidney injury.
**Corrosives**
Manjhi SN, Buktar SB, Mukherjee BB, Farooqui JM.
Suicidal death due to floor cleaning material: a case report.

**Cosmetics**
Zakaria A, Ho YB.
Heavy metals contamination in lipsticks and their associated health risks to lipstick consumers.

**Cyanide**
Severe cyanide poisoning from an alternative medicine treatment with amygdalin and apricot kernels in a 4-year-old child.

**Decamethylcyclopentasiloxane**
Dekant W, Klaunig JE.
Toxicology of decamethylcyclopentasiloxane (D5).
Regul Toxicol Pharmacol 2015; online early: doi: 10.1016/j.yrtph.2015.06.011:

**Didecyldimethylammonium chloride**
Ethylene glycol potentiated didecyldimethylammonium chloride toxicity in human bronchial epithelial cells.

**Disinfection byproducts**
Chowdhury S.
Predicting human exposure and risk from chlorinated indoor swimming pool: a case study.

**E-cigarettes**
Kienhuis AS, Soeteman-Hernandez LG, Bos PMJ, Cremers HWJM, Klerx WN, Talhout R.
Potential harmful health effects of inhaling nicotine-free shisha-pen vapor: a chemical risk assessment of the main components propylene glycol and glycerol.
Tob Induc Dis 2015; 13: 15.

**Ethylene glycol**
Ethylene glycol potentiated didecyldimethylammonium chloride toxicity in human bronchial epithelial cells.

**Fluoride**
Choubisa SL, Choubisa D.
Neighbourhood fluorosis in people residing in the vicinity of superphosphate fertilizer plants near Udaipur city of Rajasthan (India).

**Glycerol**
Kienhuis AS, Soeteman-Hernandez LG, Bos PMJ, Cremers HWJM, Klerx WN, Talhout R.
Toxicological findings in three cases of suicidal asphyxiation with helium.
Forensic Sci Int 2015; online early: doi: 10.1016/j.forsciint.2015.06.028:

**Household products**
Manjhi SN, Buktar SB, Mukherjee BB, Farooqui JM.
Suicidal death due to floor cleaning material: a case report.

**Hydrofluoric acid**
Zhang Y, Wang X, Sharma K, Mao X, Qiu X, Ni L, Han C.
Injuries following a serious hydrofluoric acid leak: first aid and lessons.
Burns 2015; online early: doi: 10.1016/j.burns.2015.04.002:

**Methanol**
Bursová M, Hložek T, Cabala R.
Simultaneous determination of methanol, ethanol and formic acid in serum and urine by headspace GC-FID.
J Anal Toxicol 2015; online early: doi: 10.1093/jat/bkv075:

**Formic acid**
Bursová M, Hložek T, Cabala R.
Simultaneous determination of methanol, ethanol and formic acid in serum and urine by headspace GC-FID.
J Anal Toxicol 2015; online early: doi: 10.1093/jat/bkv075:

**Helium**
Oosting R, van der Hulst R, Peschier L, Verschraagen M.
Toxicological findings in three cases of suicidal asphyxiation with helium.
Forensic Sci Int 2015; online early: doi: 10.1016/j.forsciint.2015.06.028:

**Formaldehyde**
Checkoway H, Dell LD, Boffetta P, Gallagher AE, Crawford L, Lees PSJ, Mundt KA.
Formaldehyde exposure and mortality risks from acute myeloid leukemia and other lymphohematopoietic malignancies in the US National Cancer Institute cohort study of workers in formaldehyde industries.

**Fluoride**
Choubisa SL, Choubisa D.
Neighbourhood fluorosis in people residing in the vicinity of superphosphate fertilizer plants near Udaipur city of Rajasthan (India).

**Environ Monit Assess 2015; 187: 497.**
Liu GJ, Ye QF, Chen W, Zhao ZJ, Li L, Lin P.
Study of the relationship between the lifestyle of residents residing in fluorosis endemic areas and adult skeletal fluorosis.

**Formic acid**
Bursová M, Hložek T, Cabala R.
Simultaneous determination of methanol, ethanol and formic acid in serum and urine by headspace GC-FID.
J Anal Toxicol 2015; online early: doi: 10.1093/jat/bkv075:

**Glycerol**
Kienhuis AS, Soeteman-Hernandez LG, Bos PMJ, Cremers HWJM, Klerx WN, Talhout R.
Potential harmful health effects of inhaling nicotine-free shisha-pen vapor: a chemical risk assessment of the main components propylene glycol and glycerol.
Tob Induc Dis 2015; 13: 15.

**Helium**
Oosting R, van der Hulst R, Peschier L, Verschraagen M.
Toxicological findings in three cases of suicidal asphyxiation with helium.
Forensic Sci Int 2015; online early: doi: 10.1016/j.forsciint.2015.06.028:

**Household products**
Manjhi SN, Buktar SB, Mukherjee BB, Farooqui JM.
Suicidal death due to floor cleaning material: a case report.

**Hydrofluoric acid**
Zhang Y, Wang X, Sharma K, Mao X, Qiu X, Ni L, Han C.
Injuries following a serious hydrofluoric acid leak: first aid and lessons.
Burns 2015; online early: doi: 10.1016/j.burns.2015.04.002:

**Methanol**
Bursová M, Hložek T, Cabala R.
Simultaneous determination of methanol, ethanol and formic acid in serum and urine by headspace GC-FID.
J Anal Toxicol 2015; online early: doi: 10.1093/jat/bkv075:

**Manuchehri AA, Alijanpour E, Daghmechi M, Ghaeminan N, Abedi SH, Nikbaksh N, Saeed SAMGM, Amani N.
A case of methanol poisoning leading to prolonged respirator dependency with consequent blindness and irreversible brain damage.

**Vossen LM, van Dongen CMP, Schouteten MK, de Wit HAJM, de Leeuw PW.
Survival after intoxication with inhaled methanol.
Neth J Med 2015; 73: 304.**
**Nanoparticles**
Martin J, Bello D, Bunker K, Shafer M, Christiani D, Woskie S, Demokritou P.
Occupational exposure to nanoparticles at commercial photocopy centers.

Senapati VA, Kumar A, Gupta GS, Pandey AK, Dhawan A.
ZnO nanoparticles induced inflammatory response and genotoxicity in human blood cells: a mechanistic approach.

**Nitrates**
Evans KA, Rich DQ, Weinberger B, VetranO AM, Valentin-Blasini L, Strickland PO, Blount BC.
Association of prenatal perchlorate, thiocyanate, and nitrate exposure with neonatal size and gestational age.

**Nitrogen dioxide**
Prenatal exposure to NO\(_2\) and ultrasound measures of fetal growth in the Spanish INMA cohort.
Environ Health Perspect 2015; online early: doi: 10.1289/ehp.1409423:

**Organosilicon compounds**
Dekant W, Klaunig JE.
Toxicology of decamethylcyclopentasiloxane (D5).
Regul Toxicol Pharmacol 2015; online early: doi: 10.1016/j.yrtph.2015.06.011:

**Dimethicone**
Inde ES, Boscamp JR, Loh JM, Rosen L.
Safety and efficacy of a 100 % dimethicone pediculocide in school-age children.

**Ozone**
Arjomandi M, Wong H, Donde A, Frelinger J, Dalton S, Ching W, Power K, Balme JR.
Exposure to medium and high ambient levels of ozone causes adverse systemic inflammatory and cardiac autonomic effects.

**Paraphenylenediamine**
Mohamed KM, Cromarty D, Steenkamp V.

**Perchlorates**
Evans KA, Rich DQ, Weinberger B, VetranO AM, Valentin-Blasini L, Strickland PO, Blount BC.
Association of prenatal perchlorate, thiocyanate, and nitrate exposure with neonatal size and gestational age.
Reprod Toxicol 2015; online early: doi: 10.1016/j.reprotox.2015.07.069:

Perchlorate: water and infant formulae contamination in France and risk assessment in infants.

**Perfluorinated compounds**
Ashley-Martin J, Dodds L, Levy AR, Platt RW, Marshall JS, Arbuckle TE.
Prenatal exposure to perfluoracids, bisphenol A and perfluoralkyl substances and cord blood levels of IgE, TSLP and IL-33.

Perfluoroalkyl acids and time to pregnancy revisited: an update from the Danish National Birth Cohort.
Environ Health 2015; 14: 59.

Perfluoroalkyl acid (PFAA) levels and profiles in breast milk, maternal and cord serum of French women and their newborns.
Environ Int 2015; 84: 71-81.

Structural equation modeling of immunotoxicity associated with exposure to perfluorinated alkylates.
Environ Health 2015; 14: 47.

Vélez MP, Arbuckle TE, Fraser WD.
Maternal exposure to perfluorinated chemicals and reduced fecundity: the MIREC study.

Prenatal exposure to perfluoroalkyl substances and children's IQ: the Taiwan Maternal and Infant Cohort Study.

Wilhelm M, Wittsiepe J, Vöikel W, Fromme H, Kasper-Sonnenberg M.
Perfluoroalkyl acids in children and their mothers: association with drinking water and time trends of inner exposures – Results of the Duisburg birth cohort and Bochum cohort studies.
Int J Hyg Environ Health 2015; online early: doi: 10.1016/j.ijheh.2015.07.001:

**Phenols**
Vélez MP, Arbuckle TE, Fraser WD.
Female exposure to phenols and phthalates and time to pregnancy: the Maternal-Infant Research on Environmental Chemicals (MIREC) study.

**Photocopier fumes**
Martin J, Bello D, Bunker K, Shafer M, Christiani D, Woskie S, Demokritou P.
Occupational exposure to nanoparticles at commercial photocopy centers.

**Phthalate esters**
Ejeredar M, Nyanza EC, Ten Eycke K, Dewey D.
Phthalate exposure and children's neurodevelopment: a systematic review.

Marie C, Venditelli F, Sauvant-Rochat M-P.
Obstetrical outcomes and biomarkers to assess exposure to phthalates: a review.
Environ Int 2015; 83: 116-36.

Trasande L, Attina TM.
Association of exposure to di-2-ethylhexylphthalate replacements with increased blood pressure in children and adolescents.

Vélez MP, Arbuckle TE, Fraser WD.
Female exposure to phenols and phthalates and time to pregnancy: the Maternal-Infant Research on Environmental Chemicals (MIREC) study.

Polycyclic aromatic hydrocarbons
Prenatal polycyclic aromatic hydrocarbon (PAH) exposure, antioxidant levels and behavioral development of children ages 6–9.
Environ Res 2015; 140: 136-44.

Radiation
Krasnov V, Kryukov V, Samedova E, Emelianova I, Ryzhova I.
Early aging in Chernobyl clean-up workers: long-term study.

Maternal occupational exposure to ionizing radiation and major structural birth defects.

Smoke
Page CM, Patel A, Hibberd PL.
Does smoke from biomass fuel contribute to anemia in pregnant women in Nagpur, India? A cross-sectional study.

Sodium
Extreme hypernatremic dehydration due to potential sodium intoxication: consequences and management for an infant with diarrhea at an urban intensive care unit in Bangladesh: a case report.

Sodium azide
Weatherall R, Oleschuk C.
Suicidal fatality from azide ingestion.

Solvents
Cardiotoxic effect due to accidental ingestion of an organic solvent.

Styrene
Moon E, Suh H, Lee BD, Park JM, Lee YM, Jeong HJ.
A case of acute psychosis in a patient following exposure to a single high dose of styrene.
Asia Pac Psychiatry 2015; 7: 337-8.

Sulphuric acid
Rao KN, Sudarshan CY.
Suicide due to sulfuric acid ingestion in a case of major depressive disorder.

Tattoo inks
A medical-toxicological view of tattooing.
Lancet 2015; online early: doi: 10.1016/S0140-6736(15)60215-X:

Tetrachlorodibenzodioxin
Scialli AR, Watkins DK, Ginevan ME.
Agent Orange exposure and 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in human milk.

Thiocyanate
Evans KA, Rich DQ, Weinberger B, Vetranio AM, Valentin-Blasini L, Strickland PO, Blount BC.
Association of prenatal perchlorate, thiocyanate, and nitrate exposure with neonatal size and gestational age.
Reprod Toxicol 2015; online early: doi: 10.1016/j.reprotox.2015.07.069:

Tobacco
Hawsawi AM, Bryant LO, Goodfellow LT.
Association between exposure to secondhand smoke during pregnancy and low birthweight: a narrative review.
Respir Care 2015; 60: 135-40.

Kadhum M, Sweidan A, Jaffery AE, Al-Saadi A, Madden B.
A review of the health effects of smoking shisha.
Respir Care 2015; 60: 135-40.

Kim NH, Kim HC, Lee JY, Lee J-M, Suh I.
Association between environmental tobacco smoke and depression among Korean women.

Saleeon T, Siriwong W, Maldonado-Pérez HL, Robson MG.
Green tobacco sickness among Thai traditional tobacco farmers, Thailand.

Shamo F, Wilson T, Kiley J, Repace J.
Assessing the effect of Michigan's smoke-free law on air quality inside restaurants and casinos: a before-and-after observational study.

Toluene
Singh SP, Singh G, Verma Y, Rana SVS.
Biological monitoring of exposure to benzene and toluene in tyre retreaders.

Trichloroethylene
Huang Y, Xia L, Wu Q, Zeng Z, Huang Z, Zhou S, Jin J, Huang H.
Trichloroethylene hypersensitivity syndrome is potentially mediated through its metabolite chloral hydrate.

Triclosan
Adgent MA, Rogan WJ.
Triclosan and prescription antibiotic exposures and enterolactone production in adults.

Welding fumes
Cosgrove MP.
Pulmonary fibrosis and exposure to steel welding fume.
Occup Med (Oxf) 2015; online early: doi: 10.1093/occmed/kqv093:

METALS
General
Serum zinc, copper, iron, and magnesium levels in Iranian drug users: a case control study.
J Addict Med 2015; online early: doi: 10.1097/ADM.0000000000000134:

Chopra AK, Pathak C.
Accumulation of heavy metals in the vegetables grown in wastewater irrigated areas of Dehradun, India with reference to human health risk.

Autism spectrum disorder prevalence and proximity to industrial facilities releasing arsenic, lead or mercury.

Jayasumana C, Gunatilake S, Siribaddana S.
Simultaneous exposure to multiple heavy metals and glyphosate may contribute to Sri Lankan agricultural nephropathy.

Metwally FM, Abdelraoof ER, Rashad H, Hashoosh A, Elsedfy ZB, Gebri O, Meguid NA.
Toxic effect of some heavy metals in Egyptian autistic children.

Maternal cadmium, iron and zinc levels, DNA methylation and birth weight.

Zakaria A, Ho YB.
Heavy metals contamination in lipsticks and their associated health risks to lipstick consumers.

Aluminium
The relationship between cognitive impairment and global DNA methylation decrease among aluminum potroom workers.

Arsenic
The effects of arsenic exposure on blood pressure and early risk markers of cardiovascular disease: evidence for population differences.

Mechanisms underlying latent disease risk associated with early-life arsenic exposure: current research trends and scientific gaps.
Environ Health Perspect 2015; online early: doi: 10.1289/ehp.1409360:

Dutta K, Prasad P, Sinha D.
Chronic low level arsenic exposure evokes inflammatory responses and DNA damage.

Edmunds WM, Ahmed KM, Whitehead PG.
A review of arsenic and its impacts in groundwater of the Ganges-Brahmaputra-Meghna delta, Bangladesh.

Huang L, Wu H, van der Kuijpp TJ.
The health effects of exposure to arsenic-contaminated drinking water: a review by global geographical distribution.

Robles-Orsorio ML, Sabath-Silva E, Sabath E.
Arsenic-mediated nephrotoxicity.

Weidemann D, Kuo C-C, Navas-Acien A, Abraham AG, Weaver V, Fadrowski J.
Association of arsenic with kidney function in adolescents and young adults: results from the National Health and Nutrition Examination Survey 2009–2012.

Cadmium
Effects of environmental cadmium and lead exposure on adults neighboring a discharge: evidence of adverse health effects.

Chromium
Occupational exposure to chromium of assembly workers in aviation industries.

Sun H, Brocato J, Costa M.
Oral chromium exposure and toxicity.

Lead
Effects of environmental cadmium and lead exposure on adults neighboring a discharge: evidences of adverse health effects.

Gidlow DA.
Lead toxicity.
Occup Med (Oxf) 2015; 65: 348-56.

Grashow R, Sparrow D, Hu H, Weisskopf MG.
Cumulative lead exposure is associated with reduced olfactory recognition performance in elderly men: the Normative Aging Study.

Jannuzzi AT, Alpertunga B.
Evaluation of DNA damage and DNA repair capacity in occupationally lead-exposed workers.

Lead exposure during early human development and DNA methylation of imprinted gene regulatory elements in adulthood.

Continuous lead exposure increases blood pressure but does not alter kidney function in adults 20-44 years of age in a lead-polluted region of China.

Mathee A, Naicker N, Teare J.
Retrospective investigation of a lead poisoning outbreak from the consumption of an Ayurvedic medicine: Durban, South Africa.

Early life lead exposure causes gender-specific changes in the DNA methylation profile of DNA extracted from dried blood spots.

Sindhu KK, Suthering WW.
Role of lead in the central nervous system: effect on electroencephalography, evoked potentials, electroretinography, and nerve conduction.
Acute anticholinesterase pesticide poisoning caused a long-term mortality increase: a nationwide population-based cohort study. 
Medicine (Baltimore) 2015; 94: e1222.

Indu TH, Raja D, Ponnusankar S. 
Toxicoepidemiology of acute poisoning cases in a secondary care hospital in rural South India: a five-year analysis. 

Jensen BH, Petersen A, Nielsen E, Christensen T, Poulsen ME, Andersen JH. 
Cumulative dietary exposure of the population of Denmark to pesticides. 

Lebov JF, Engel LS, Richardson D, Hogan SL, Hoppin JA, Sandler DP. 
Pesticide use and risk of end-stage renal disease among licensed pesticide applicators in the Agricultural Health Study. 
Ocup Environ Med 2015; online early: doi: 10.1136/oemed-2014-102615:

Richardson JR, Taylor MM, Shalat SL, Guillot TS, III, Caudle WM, Hossain MM, Mathews TA, Jones SR, Cory-Slechta DA, Miller GW. 
Developmental pesticide exposure reproduces features of attention deficit hyperactivity disorder. 

Yuantari MGC, Van Gestel CAM, van Straalen NM, Widianarko B, Sunoko HR, Shobib MN. 
Knowledge, attitude, and practice of Indonesian farmers regarding the use of personal protective equipment against pesticide exposure. 
Environ Monit Assess 2015; 187: 142.

Pesticides and cancer 
Organophosphate insecticide use and cancer incidence among spouses of pesticide applicators in the Agricultural Health Study. 
Ocup Environ Med 2015; online early: doi: 10.1136/oemed-2014-102798:

Zahzeh MR, Loukidi B, Meziane W, Haddouche M, Mesli N, Zouaoui Z, Aribi M. 
Relationship between NADPH and Th1/Th2 ratio in patients with non-hodgkin lymphoma who have been exposed to pesticides. 

Aluminium phosphide 
Mirakbari SM. 
Hot charcoal vomitus in aluminium phosphide poisoning – A case report of internal thermal reaction in aluminium phosphide poisoning and review of literature. 

Carbamate insecticides 
Lin JN, Lin CL, Lin MC, Lai CH, Lin HH, Yang CH, Kao CH. 
Increased risk of dementia in patients with acute organophosphate and carbamate poisoning: a nationwide population-based cohort study. 
Medicine (Baltimore) 2015; 94: e1187.

Propiconazole 
Costa NO, Vieira ML, Sgarioni V, Pereira MRF, Montagnini BG, de Fátima Paccola Mesquita S, Gerardin DCC. 
Evaluation of the reproductive toxicity of fungicide propiconazole in male rats. 
Toxicology 2015; online early: doi: 10.1016/j.tox.2015.06.011:

Herbicides 
Diuron 
Huovinen M, Loikkanen J, Naaraa J, Vähäkangas K. 
Toxicity of diuron in human cancer cells. 
Toxicol Vitro 2015; 29: 1577-86.

Glufosinate 
Moon JM, Chun BJ. 
Serial ammonia measurement in patients poisoned with glufosinate ammonium herbicide. 
Hum Exp Toxicol 2015; online early: doi: 10.1177/096032715595688:

Glyphosate 
Jayasumana C, Gunatilake S, Siribaddana S. 
Simultaneous exposure to multiple heavy metals and glyphosate may contribute to Sri Lankan agricultural nephropathy. 

Insecticides (general) 
Amitraz 
Aundhakar C, Mahajan K, Mane B, Agrawal M. 
Amitraz - A new poison with unusual neurotoxic effects. 

Fipronil 
Caballero MV, Ares I, Martínez M, Martínez-Larrañaga MR, Anadón A, Martínez MA. 
Fipronil induces CYP isoforms in rats. 

Flonicamid 
Potential dermal exposure to flonicamid and risk assessment of applicators during treatment in apple orchards. 

Neonicotinoids 
Imidacloprid 
Sunny A, Mishra AK, Chandraesharan VK, Jose N. 
Imidacloprid poisoning: case report. 

Organochlorine pesticides 
General 
Patterson AT, Kaffenberger BH, Keller RA, Elston DM. 
Skin diseases associated with Agent Orange and other organochlorine exposures. 
J Am Acad Dermatol 2015; online early: doi: 10.1016/j.jaad.2015.05.006:

Tyagi V, Garg N, Mustafa MD, Banerjee BD, Guleria K.
Organochlorine pesticide levels in maternal blood and placental tissue with reference to preterm birth: a recent trend in North Indian population. Environ Monit Assess 2015; 187: 471.


Chlordecone

DDT

Endosulfan


Organophosphorus insecticides
General


Chlorpyrifos


Richendrfer H, Creton R. Chlorpyrifos and malathion have opposite effects on behaviors and brain size that are not correlated to changes in ACHe activity. Neurotoxicology 2015; 49: 50-8.


Malathion
Richendrfer H, Creton R. Chlorpyrifos and malathion have opposite effects on behaviors and brain size that are not correlated to changes in ACHe activity. Neurotoxicology 2015; 49: 50-8.

Methamidophos

Parathion

Liu J, Parsons L, Pope C.

**Paraquat and diquat**


**Pyrethroid insecticides**
**General**

**Cypermethrin**


**Prallethrin**

**Rodenticides**

**CHEMICAL WARFARE, BIOLOGICAL WARFARE AND RIOT CONTROL AGENTS**

**Biological warfare**
**Anthrax**
Devera TS, Prusator DK, Joshi SK, Ballard JD, Lang ML. Immunization of mice with anthrax protective antigen limits cardiotoxicity but not hepatotoxicity following lethal toxin challenge. Toxins (Basel) 2015; 7: 2371-84.

**Chemical warfare**

**Agent Orange**
Patterson AT, Kaffengerber BH, Keller RA, Elston DM. Skin diseases associated with Agent Orange and other organochlorine exposures. J Am Acad Dermatol 2015; online early: doi: 10.1016/j.jaad.2015.05.006:


**Mustard gas**

**Nerve agents**

**Ricin**

**Sarin**


PLANTS

General


Irvingia gabonensis (African mango)

Camellia sinensis (Tea)

Cassia occidentalis

Colchicum autumnale (Autumn crocus)

Ginkgo biloba

Lamprocapnos spectabilis (Bleeding Heart)

Rhamnus alaternus (Italian buckthorn)

Taxis baccata (Yew)

Mushrooms and other fungi


Mycotoxins

ANIMALS

Fish/marine poisoning
Anemone

Megalopyge spp.

Micro-organisms
Snake bites
Population-based study of venomous snakebite in Taiwan.

Das RR, Sankar J, Dev N.

Comparison of snakebite cases in children and adults.

Coral snake
Biological characterization of the Amazon coral Micrurus spixii snake venom: isolation of a new neurotoxic phospholipase A2.
Toxicon 2015; 103: 1-11.

Sea snakes

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Danger in the reef: proteome, toxicity, and neutralization of the venom of the olive sea snake, Aipysurus laevis.
Toxicon 2015; online early:
doi: 10.1016/j.toxicon.2015.07.008:

Viperinae (True vipers)
Population pharmacokinetics of an Indian F(ab')2 snake antivenom in patients with Russell's viper (Daboia russellii) bites.

Spiders
Bush SP, Davy JV.
Troponin elevation after black widow spider envenomation.
CJEM 2015; online early: doi: 10.1017/cem.2015.82:

Vespula spp. (Wasps)
Galindo-Bonilla PA, Galán-Nieto A, Alfaya-Arias T, García-Rodríguez C, de la Roca-Pinzón F, Feo-Brito F.
Component-resolved diagnosis in vespid venom-allergic individuals.
Allergol Immunopathol 2015; 43: 398-402.
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