

# *Current Awareness in Clinical Toxicology*

*Editors: Sarah Cage MSc and Allister Vale MD*

*November 2010*

## **CURRENT AWARENESS PAPERS OF THE MONTH**

### **When do the aminotransferases rise after acute acetaminophen overdose?**

**Green TJ, Sivilotti ML, Langmann C, Yarema M, Juurlink D, Burns MJ, Johnson DW. Clin Toxicol 2010; 48: 787-92.**

#### *Context*

Rising aminotransferases (ATs) [either aspartate aminotransferase (AST) or alanine aminotransferase (ALT)] are one of the first signs of hepatotoxicity following acetaminophen (APAP) overdose (OD). However, the timing and speed of such rises are not well characterized, hampering early risk prediction.

#### *Objective*

To describe the kinetics of AT release in acute APAP OD patients who develop hepatotoxicity despite treatment.

#### *Methods*

A descriptive study of acute APAP OD patients with peak AT > 1000 IU/L taken from the derivation subset of the Canadian Acetaminophen Overdose Study (CAOS), a large, multicenter retrospective cohort of patients hospitalized for APAP poisoning.

#### *Results*

Of 2488 hospital admissions for acute APAP OD, 94 met inclusion criteria. Treatment with acetylcysteine, mostly intravenously, was begun in all cases within 24 h of ingestion. The initial AT concentration was already elevated in most patients at presentation [median 211 (IQR 77-511) IU/L obtained at 15.3 (12.1-19.2) h postingestion], and exceeded 100 IU/L in almost all patients within 24 h of ingestion. Serum AT concentrations rose rapidly [doubling time 9.5 h (95% CI: 8.7-10.4 h)], especially in patients who developed AT > 1,000 IU/L within 48 h of ingestion. Coagulopathy was worse in these patients and in those with an AT > 250 IU/L during the first 12 h of treatment with acetylcysteine.

#### *Discussion and conclusions*

An abnormal and rapidly doubling AT at presentation is more typical in severely poisoned patients, as judged by the effects on clotting. These data suggest that risk prediction instruments may be improved by incorporating both the serum AT concentration at initiation of antidotal therapy and its rate of change. Further studies using such an approach are warranted.

*Current Awareness in Clinical Toxicology* is produced monthly for the EAPCCT  
by the Birmingham Unit of the UK National Poisons Information Service.  
The NPIS is commissioned by the Health Protection Agency.



## Overdose pattern and outcome in paracetamol-induced acute severe hepatotoxicity

Craig DGN, Bates CM, Davidson JS, Martin KG, Hayes PC, Simpson KJ. *Br J Clin Pharmacol* 2010; online early: doi: 10.1111/j.1365-2125.2010.03819.x:

### *What is already known on this subject*

Paracetamol hepatotoxicity is the commonest cause of acute liver failure (ALF) in the UK. Conflicting data exist regarding the impact of overdose pattern upon subsequent mortality or need for emergency liver transplantation.

### *What this study adds*

Unintentional paracetamol overdose is independently associated with reduced survival compared with intentional overdose. Unintentional paracetamol overdoses should be treated as high-risk for the development of multiorgan failure, and should be considered for N-acetyl cysteine treatment irrespective of admission serum paracetamol levels. The King's College poor prognostic criteria have reduced sensitivity in unintentional overdose patients and alternative prognostic criteria may be required.

### *Aims & methods*

Paracetamol (acetaminophen) hepatotoxicity is the commonest cause of acute liver failure (ALF) in the UK. Conflicting data regarding the outcomes of paracetamol-induced ALF resulting from different overdose patterns are reported. Using prospectively defined criteria, we have analyzed the impact of overdose pattern upon outcome in a cohort of 938 acute severe liver injury patients admitted to the Scottish Liver Transplantation Unit.

### *Results*

Between 1992 and 2008, 663 patients were admitted with paracetamol-induced acute severe liver injury. Of these patients, 500 (75.4%) had taken an intentional paracetamol overdose, whilst 110 (16.6%) had taken an unintentional overdose. No clear overdose pattern could be determined in 53 (8.0%). Unintentional overdose patients were significantly older, more likely to abuse alcohol, and more commonly overdosed on compound narcotic/paracetamol analgesics compared with intentional overdose patients. Unintentional overdoses had significantly lower admission paracetamol and alanine aminotransferase levels compared with intentional overdoses. However, unintentional overdoses had greater organ dysfunction at admission, and subsequently higher mortality (unintentional, 42/110 (38.2%); intentional, 128/500 (25.6%),  $p < 0.001$ ). The King's College poor prognostic criteria had reduced sensitivity in unintentional overdoses (77.8%, 95% confidence intervals (CI) 62.9-88.8) compared with intentional overdoses (89.9%, 95% CI 83.4-94.5). Unintentional overdose was independently predictive of death or liver transplantation on multivariate analysis (odds ratio 1.91 (95% CI 1.07-3.43),  $p = 0.032$ ).

### *Conclusions*

Unintentional paracetamol overdose is associated with increased mortality compared with intentional paracetamol overdose, despite lower admission paracetamol levels. Alternative prognostic criteria may be required for unintentional paracetamol overdoses.

## Medications used in overdose and how they are acquired - an investigation of cases attending an inner Melbourne emergency department

Buykx P, Loxley W, Dietze P, Ritter A. *Aust N Z J Public Health* 2010; 34: 401-4.

### *Objective*

This study aimed to investigate which categories of medication are most commonly implicated in overdose, to compare this information with prescription data and to explore how the medications used in overdoses are typically acquired.

### *Methods*

A 12-month audit (11/2003-10/2004) of all medication overdose presentations to an inner-

Melbourne ED was conducted and the medications compared to published population-based prescription data. Interviews were conducted with 31 patients who attended the ED following a medication overdose and typical stories regarding the acquisition of medications reported.

### **Results**

The same broad categories of medications identified in earlier studies were found to contribute to the majority of overdoses in this study, namely benzodiazepines, antidepressants, analgesics and antipsychotics. Two benzodiazepine medications, diazepam and alprazolam, appeared to be over-represented in the overdose data relative to their population rates of prescription. Patient interviews revealed three main reasons for the original acquisition of the medications used in overdose: treatment purposes (77%); recreational use (16%); and overdose (7%). The most common source of medications (68%) used in overdose was prescription by the patient's usual doctor.

### **Conclusion**

The high representation of benzodiazepines among medications used in overdose is of ongoing concern.

### **Implications**

The time of medication prescription and dispensing may be an ideal opportunity for overdose prevention, through judicious prescribing, consideration of treatment alternatives, patient education and encouraging the safe disposal of unused medications.

## **Low-molecular-weight heparin overdose: management by observation**

**Monte AA, Bodmer M, Schaeffer TH. Ann Pharmacother 2010; 44: 1836-9.**

### **Objective**

To describe 3 episodes of low-molecular-weight heparin (LMWH) overdose in 2 patients and discuss the clinical presentations, outcomes, and therapeutic options.

### **Case summaries**

The first patient, a 35-year-old female, presented after an intentional overdose of 72 000 units of dalteparin. The peak measured anti-Xa activity was 6.2 U/mL at 7.5 h postinjection. No interventions were performed and there were no bleeding complications. The patient presented 20 days later following another overdose of 72 000 units. Anti-Xa activity was 4.5 U/mL 2 h postinjection. No treatment was given and the patient was discharged with plans for follow-up the next day. There was no evidence of bleeding complications on follow-up. The second patient, a 29-year-old male, presented after an intentional overdose of 480 mg of enoxaparin. The anti-Xa activity was 1.9 U/mL measured 2 h postinjection. The patient was observed without intervention. There were no bleeding complications.

### **Discussion**

To our knowledge, there is only one previous report of an LMWH overdose in the literature, an iatrogenic overdose in an infant treated with protamine. In our 3 presented episodes of LMWH overdose, no therapeutic interventions were performed and there were no bleeding complications. Review of the literature regarding the efficacy of protamine and recombinant factor VIIa for reversal of LMWH coagulopathy revealed that protamine is only partially effective and recombinant factor VIIa is effective in in vitro studies and case reports.

### **Conclusions**

In cases of LMWH overdose, observation seems to be appropriate in the absence of clinically significant bleeding. Prolonged monitoring may be necessary for patients with renal failure. Use of protamine or recombinant factor VIIa is not supported by this case series in patients without significant bleeding. There is a lack of data regarding how to treat patients with significant bleeding.

## **Benzene and human health: a historical review and appraisal of associations with various diseases**

**Galbraith D, Gross SA, Paustenbach D. Crit Rev Toxicol 2010; 40(S2): 1-46.**

### ***Abstract***

Over the last century, benzene has been a well-studied chemical, with some acute and chronic exposures being directly associated with observed hematologic effects in humans and animals. Chronic heavy exposures to benzene have also been associated with acute myelogenous leukemia (AML) and myelodysplastic syndrome (MDS) in humans. Other disease processes have also been studied, but have generally not been supported by epidemiologic studies of workers using benzene in the workplace.

Within occupational cohorts with large populations and very low airborne benzene exposures (less than 0.1-1.0 ppm), it can be difficult to separate background disease incidence from those occurring due to occupational exposures. In the last few decades, some scientists and physicians have suggested that chronic exposures to various airborne concentrations of benzene may increase the risk of developing non-Hodgkin's lymphoma (NHL) ( Savitz and Andrews, 1997 , Am J Ind Med 31:287-295; Smith et al., 2007 , Cancer Epidemiol Biomarkers Prev 16:385-391), multiple myeloma (MM) ( Goldstein, 1990 , Ann NY Acad Sci 609:225-230; Infante, 2006 , Ann NY Acad Sci 1076:90-109), and various other hematopoietic disorders.

We present a state-of-the-science review of the medical and regulatory aspects regarding the hazards of occupational exposure to benzene. We also review the available scientific and medical evidence relating to benzene and the risk of developing various disorders following specific levels of exposure.

Our evaluation indicates that the only malignant hematopoietic disease that has been clearly linked to benzene exposure is AML. Information from the recent "Benzene 2009," a symposium of international experts focusing on the health effects and mechanisms of toxicity of benzene, hosted by the Technical University of Munich, has been incorporated and referenced.

## **Toxicological analysis of 17 autopsy cases of hydrogen sulfide poisoning resulting from the inhalation of intentionally generated hydrogen sulfide gas**

**Maebashi K, Iwadate K, Sakai K, Takatsu A, Fukui K, Aoyagi M, Ochiai E, Nagai T. Forensic Sci Int 2010; online early: doi 10.1016/j.forsciint.2010.09.008:**

### ***Abstract***

Although many cases of fatal hydrogen sulfide poisoning have been reported, in most of these cases, it resulted from the accidental inhalation of hydrogen sulfide gas. In recent years, we experienced 17 autopsy cases of fatal hydrogen sulfide poisoning due to the inhalation of intentionally generated hydrogen sulfide gas.

In this study, the concentrations of sulfide and thiosulfate in blood, urine, cerebrospinal fluid and pleural effusion were examined using GC/MS. The sulfide concentrations were blood: 0.11-31.84, urine: 0.01-1.28, cerebrospinal fluid: 0.02-1.59 and pleural effusion: 2.00-8.59 ( $\mu\text{g/ml}$ ), while the thiosulfate concentrations were blood: 0-0.648, urine: 0-2.669, cerebrospinal fluid: 0.004-0.314 and pleural effusion: 0.019-0.140 ( $\mu\text{mol/ml}$ ). In previous reports, the blood concentration of thiosulfate was said to be higher than that of sulfide in hydrogen sulfide poisoning cases, although the latter was higher than the former in 8 of the 14 cases examined in this study.

These results are believed to be strongly influenced by the atmospheric concentration of hydrogen sulfide the victims were exposed to and the time interval between exposure and death.

## **Lead exposure is associated with a delay in the onset of puberty in South African adolescent females: findings from the birth to twenty cohort**

**Naicker N, Norris SA, Mathee A, Becker P, Richter L. *Sci Total Environ* 2010; 408: 4949-54.**

### ***Introduction***

One of the suggested, yet under-researched, causes of pubertal delay is lead exposure. In South Africa blood lead levels are generally higher than in resource-rich countries. Thus the effects of lead exposure on pubertal development may be significant.

### ***Objective***

The objective of this study is to determine the association between lead exposure and pubertal development in adolescent females in the Birth to Twenty cohort (Bt20).

### ***Methods***

Bt20 is a Johannesburg based birth cohort study that commenced in 1990 and includes 1682 girls. At 13 years of age venous blood samples were collected from 725 adolescent female participants for lead content analyses; of these, 712 had menarche data. Pubertal measurement was based on age of menarche and self-reported Tanner staging for pubic hair (n=684) and breast development (n=682).

### ***Results***

The mean blood lead level for the sample was 4.9 µg/dl. Fifty percent had blood lead levels <5.0 µg/dl, 49% were ≥5.0 µg/dl and 1% was >10.0 µg/dl. The average age of menarche was 12.7 years. At 13 years, 4% and 7% had reached Tanner stage 5 for pubic hair and breast development, respectively. Analyses showed that higher blood lead levels were associated with significant delays in the onset of puberty (p < 0.001).

### ***Conclusion***

The study found that higher blood lead levels were associated with a delay in the onset of puberty, after adjustment for confounders. Lead exposure in resource-poor countries is generally higher compared to resource-rich countries and thus the effects of high blood levels have personal and public health significance.

## **Organophosphate induced delayed polyneuropathy in man: an overview**

**Jokanovic M, Kosanovic M, Brkic D, Vukomanovic P. *Clin Neurol Neurosurg* 2010; online early: doi: 10.1016/j.clineuro.2010.08.015:**

### ***Abstract***

About 80 years have passed since the first cases of organophosphate induced delayed polyneuropathy (OPIDP), as the consequence of human poisoning with certain organophosphorus compounds, were described in the literature.

OPIDP is a relatively rare neurodegenerative disorder in humans characterized by loss of function, ataxia and paralysis of distal parts of sensory and motor axons in peripheral nerves and ascending and descending tracts of spinal cord appearing 2-3 weeks after exposure or later. The molecular target for OPIDP is considered to be an enzyme in the nervous system known as neuropathy target esterase (NTE).

This review discusses OPIDP in man with emphasis on clinical presentation, pathogenesis, molecular mechanisms, and possibilities for prevention/therapy.

## Kinetic prerequisites of oximes as effective reactivators of organophosphate-inhibited acetylcholinesterase: a theoretical approach

Worek F, Aurbek N, Wille T, Eyer P, Thiermann H. *J Enzyme Inhib Med Chem* 2010; online early: doi: [10.3109/14756366.2010.504673](https://doi.org/10.3109/14756366.2010.504673):

### *Abstract*

The standard treatment of poisoning by organophosphorus compounds (OP) includes the reversible muscarine receptor antagonist atropine and oximes for the reactivation of OP-inhibited acetylcholinesterase (AChE).

There is an ongoing discussion on the benefit of oxime therapy in OP pesticide poisoning, and experimental data indicate a limited efficacy of oximes against various nerve agents. Oxime effectiveness can be quantified in vitro by determination of the reactivity ( $k_r$ ) and affinity constants ( $1/K_D$ ). These constants can be used to calculate reactivation velocities and oxime concentrations necessary for the reactivation of a desired fraction of inhibited AChE.

Model calculations indicate that a  $k_r > 0.1 \text{ min}^{-1}$  and  $K_D < 100 \text{ }\mu\text{M}$  are minimal requirements for oxime effectiveness when reactivation is performed in the absence of free OP. In addition, the findings demonstrate that selective increase of either reactivity or affinity of an oxime would be insufficient. Hereby, it has to be taken into account that an increase of affinity to OP-inhibited AChE is generally accompanied by an increased affinity to native AChE and subsequent reduction in oxime tolerance.

Hence, future developments of more effective oximes should consider kinetic demands by attempting to achieve a certain level of reactivity and affinity, preferentially towards OP-inhibited AChE.

## Short-term outcomes after Fab antivenom therapy for severe crotaline snakebite

Lavonas EJ, Kokko J, Schaeffer TH, Mlynarchek SL, Bogdan GM, Dart RC. *Ann Emerg Med* 2010; online early: doi: [10.1016/j.annemergmed.2010.06.550](https://doi.org/10.1016/j.annemergmed.2010.06.550):

### *Study objectives*

We seek to determine the short-term outcomes associated with the use of Crotalidae polyvalent immune Fab (ovine) (CroFab; FabAV) therapy for severe crotaline snake envenomation and to better define the incidence of hypersensitivity reactions associated with FabAV use.

### *Methods*

We conducted a multicenter observational case series study of patients who received FabAV at 17 US hospitals in 2002 to 2004. A 7-point score incorporating local, systemic, and hematologic venom effects was used to grade envenomation severity before and after FabAV therapy. The primary outcome for response to therapy was the change in overall envenomation severity after FabAV administration. The primary safety outcomes were the rates of immediate hypersensitivity reactions and serum sickness.

### *Results*

The outcome-evaluable population included 209 patients, of whom 28 had severe envenomation. All severely envenomated patients improved after receiving FabAV. The median severity scores of severely envenomated patients were 5 (interquartile range [IQR] 5 to 5) before FabAV, 1 (IQR 1 to 2) at the last FabAV loading dose, and 1 (IQR 0 to 1) at the last clinical observation. The proportion of patients with progressive pain, progressive swelling, cardiovascular effects, respiratory effects, neurologic effects, gastrointestinal effects, coagulopathy, and thrombocytopenia all improved after FabAV therapy. The safety population included 247 patients. Immediate hypersensitivity reactions were reported in 6.1% (95% confidence interval 3.4% to 9.8%) of patients. Serum sickness was reported in 5% (95% confidence interval 0.6% to 17%) of patients with a

minimum of 6 days of follow-up after the last dose of FabAV.

### ***Conclusion***

FabAV therapy is associated with clinical improvement in severe crotaline snake envenomation. Immediate hypersensitivity and serum sickness rates may be less than described in the FabAV prescribing information.

## **Efficacy studies of reactive skin decontamination lotion, M291 skin decontamination kit, 0.5% bleach, 1% soapy water, and skin exposure reduction paste against chemical warfare agents. Part 1: guinea pigs challenged with VX**

**Braue EH,Jr, Smith KH, Doxzon BF, Lumpkin HL, Clarkson ED. Cutan Ocul Toxicol 2010; online early: doi: 10.3109/15569527.2010.515280:**

### ***Objective***

This report, first in a series of five, directly compares the efficacy of 4 decontamination products and Skin Exposure Reduction Paste Against Chemical Warfare Agents (SERPACWA) in the haired guinea pig model following exposure to VX.

### ***Methods***

In all experiments, guinea pigs were close-clipped and given anesthesia. In the decontamination experiments, the animals were challenged with VX and decontaminated after a 2-min delay for the standard procedure or at longer times for the delayed-decontamination experiments. Skin Exposure Reduction Paste Against Chemical Warfare Agents was applied as a thin coating (0.1 mm thick), allowed to dry for 15 min, and challenged with VX. After a 2-h challenge, any remaining VX was blotted off the animal, but no additional decontamination was done. Positive control animals were challenged with VX in the same manner as the treated animals, except that they received no treatment. In addition, the positive control animals were always challenged with 5% VX in isopropyl alcohol (IPA) solution, whereas the treatment animals received either neat (undiluted) VX or 5% VX in IPA solution. All animals were observed during the first 4 h and again at 24 h after exposure for signs of toxicity and death. The protective ratio (PR, defined as the median lethal dose [LD50] of the treatment group divided by the LD50 of the untreated positive control animals) was calculated from the probit dose-response curves established for each treatment group and nontreated control animals. Significance in this report was defined as  $p < 0.05$ .

### ***Results***

In the standard 2-min neat VX decontamination experiments, the calculated PRs for Reactive Skin Decontamination Lotion (RSDL), 0.5% bleach, 1% soapy water, and the M291 Skin Decontamination Kit (SDK) were 66, 17, 16, and 1.1, respectively. Reactive Skin Decontamination Lotion was by far the most effective decontamination product tested and was significantly better than any of the other products. Bleach and soapy water provided equivalent and good ( $PR > 5$ ) protection. They were both significantly better than the M291 SDK. The M291 SDK did not provide significant protection compared with positive controls. In the neat VX delayed-decontamination experiments, the calculated LT50 (the delayed-decontamination time at which 50% of the animals died in the test population following a 5-LD50 challenge) values for RSDL, 0.5% bleach, and 1% soapy water were 31, 48, and 26 min, respectively. The results showed that SERPACWA provided significant, but modest ( $PR < 5$ ), protection against neat VX, with a PR of 2.1.

### ***Conclusions***

Several conclusions can be drawn from this study: 1) RSDL provided superior protection against VX compared with the other products tested; 2) 0.5% bleach and 1% soapy water were less effective than RSDL, but still provided good protection against VX; 3) the M291 SDK was the least effective decontamination product and did not provide significant protection against VX; 4) the agent was observed to streak when using the M291 SDK, and efficacy may improve if the agent is first blotted, followed by wiping with a new or clean part of the M291 SDK pad; 5) RSDL, 0.5% bleach, and 1% soapy water provided significant protection against a 5-LD50 challenge of VX,

even when decontamination was delayed for up to about 30 minutes; and 6) SERPACWA provided significant, but modest, protection against VX.

## **Efficacy studies of reactive skin decontamination lotion, M291 skin decontamination kit, 0.5% bleach, 1% soapy water, and skin exposure reduction paste against chemical warfare agents. Part 2: guinea pigs challenged with soman**

**Braue EH,Jr, Smith KH, Doxzon BF, Lumpkin HL, Clarkson ED. *Cutan Ocul Toxicol* 2010; online early: doi: 10.3109/15569527.2010.515281:**

### ***Objective***

This report, the second in a series of five, directly compares the efficacy of Reactive Skin Decontamination Lotion (RSDL), the M291 Skin Decontamination Kit (SDK), 0.5% bleach (sodium or calcium hypochlorite solution), 1% soapy water, and Skin Exposure Reduction Paste Against Chemical Warfare Agents (SERPACWA) in the haired guinea pig model following exposure to soman (GD).

### ***Methods***

In all experiments, guinea pigs were close-clipped and given anesthesia. In the decontamination experiments, the animals were challenged with GD and decontaminated after a 2-min delay for the standard procedure or at longer times for the delayed-decontamination experiments. Positive control animals were challenged with GD in the same manner as the treated animals, except that they received no treatment. All animals were observed during the first 4 h and again at 24 h after exposure for signs of toxicity and death. The protective ratio (PR, defined as the median lethal dose [LD50] of the treatment group divided by the LD50 of the untreated positive control animals) was calculated from the derived probit dose-response curves established for each treatment group and nontreated control animals. SERPACWA was applied as a thin coating (0.1 mm thick), allowed to dry for 15 min, and challenged with GD. After a 2-h challenge, any remaining GD was blotted off the animal, but no additional decontamination was done. Significance in this report is defined as  $p < 0.05$ . Neat (undiluted) GD was used to challenge all animals in these studies.

### ***Results***

In the standard 2-min GD decontamination experiments, the calculated PRs for RSDL, 0.5% bleach, 1% soapy water, and M291 SDK were 14, 2.7, 2.2, and 2.6, respectively. RSDL was by far the most effective decontamination product tested and significantly better than any of the other products. Bleach, soapy water, and the M291 SDK provided equivalent and modest protection. Since only RSDL provided at least good protection ( $PR > 5$ ), it was the only decontamination product evaluated for delayed decontamination. In the GD delayed-decontamination experiments, the calculated LT50 (the delayed-decontamination time at which 50% of the animals die in the test population following a 5-LD50 challenge) value for RSDL was only 4.0 min.

### ***Conclusions***

Several conclusions can be drawn from this study: 1) Reactive Skin Decontamination Lotion provided superior protection against GD compared with the other products tested; 2) The 0.5% bleach solution, the 1% soapy water solution, and the M291 SDK were less effective than RSDL, but still provided modest ( $2 < PR < 5$ ) protection against GD; 3) Reactive Skin Decontamination Lotion, the best product tested, did not provide significant protection against GD when decontamination was delayed for more than 3 min; 4) Skin Exposure Reduction Paste Against Chemical Warfare Agents provided significant, but modest, protection against GD; 5) There was good correlation between using the rabbit model and the guinea pig model for decontamination efficacy evaluations; and 6) Soman (GD) is an agent of real concern because it is very difficult to decontaminate and the effects of exposure are difficult to treat.

## TOXICOLOGY

### General

Coruzzi G.

Overview of gastrointestinal toxicology.  
Curr Protoc Toxicol 2010; Chapter 21: Unit 21.1.

### Analytical toxicology

Anon.

[Differential diagnosis of ethanol poisoning, alcohol withdrawal, and chronic alcoholic intoxication from the changes in neurons and macroglyocytes in the cerebral cortex]. In Russian with English abstract.  
Sud Med Ekspert 2010; 53: 28-32.

Anon.

[The influence of acute alcohol intoxication on glycogen content in liver and skeletal muscle]. In Russian with English abstract.  
Patol Fiziol Eksp Ter 2010; 15-7.

Araoud M, Neffeti F, Douki W, Najjar MF, Kenani A.  
Paraoxonase 1 correlates with butyrylcholinesterase and gamma glutamyl transferase in workers chronically exposed to pesticides.  
J Occup Health 2010; online early: PM:20944437:

Bader M, Goen T.

Biological monitoring and analytical toxicology in occupational and environmental medicine.  
J Chromatogr B Analyt Technol Biomed Life Sci 2010; 878: 2465-2466

Barroso M, Dias M, Vieira DN, Lopez-Rivadulla M, Queiroz JA.  
Mixed-mode solid-phase extraction for sample cleanup in hair analysis for methadone and its main metabolite.  
Biomed Chromatogr 2010; 24: 1240-6.

Becker C, Worek F, John H.

Chromatographic analysis of toxic phosphorylated oximes (POX): a brief overview.  
Drug Test Anal 2010; online early: doi: 10.1002/dta.167:

Caporossi L, Tranfo G, Paci E, De Rosa M, Capanna S, Tidei F, Papaleo B.

LC determination of the skin exposure to oxamyl on greenhouse workers and comparison between DAD and MS-MS detection.  
Chromatographia 2010; 72: 281-7.

Chaillol I, Ecochard R, Denis MA, Iwaz J, Khoeiry P, Bergeret A.  
Fast and specific detection of moderate long-term changes in occupational blood exposures.  
Occup Environ Med 2010; 67: 785-91.

Chytil L, Strauch B, Cvacka J, Maresova V, Widimsky J, Jr., Holaj R, Slanar O.

Determination of doxazosin and verapamil in human serum by fast LC-MS/MS: Application to document non-compliance of patients.  
J Chromatogr B Analyt Technol Biomed Life Sci 2010; 878: 3167-73.

Cornes MP, Ford C, Gama R.

The lactate gap revisited: variable interference with lactate analyses in ethylene glycol poisoning.  
Br J Biomed Sci 2010; 67: 148-50.

Dear JW.

New marker for paracetamol poisoning - revolution or evolution?  
Clin Toxicol 2010; 48: 785-6.

Ebrahimzadeh H, Khezri E, Kamarei F.

Determination of methadone in biological samples using liquid phase microextraction with back extraction combined with LC.  
Chromatographia 2010; 72: 231-8.

Feng L, Musto CJ, Kemling JW, Lim SH, Zhong W, Suslick KS.  
Colorimetric sensor array for determination and identification of toxic industrial chemicals.  
Anal Bioanal Chem 2010; 82: 9433-40.

Flores-Perez C, Chavez-Pacheco JL, Ramirez-Mendiola B, Alemon-Medina R, Garcia-Alvarez R, Juarez-Olguin H, Flores-Perez J.  
A reliable method of liquid chromatography for the quantification of acetaminophen and identification of its toxic metabolite N-acetyl-p-benzoquinoneimine for application in pediatric studies.  
Biomed Chromatogr 2010; early online: PM:20878659:

Giorgi M, Mengozzi G.

An HPLC method for the determination of bromadiolone plasma kinetics and its residues in hen eggs.  
J Chromatogr Sci 2010; 48: 714-20.

Gosselin M, Ramirez Fernandez MdM, Wille SM, Samyn N, De Boeck G, Bourel B.

Quantification of methadone and its metabolite 2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine in third instar larvae of *Lucilia sericata* (diptera: *Calliphoridae*) using liquid chromatography-tandem mass spectrometry.  
J Anal Toxicol 2010; 34: 374-80.

He X, McMahon S, Henderson TD, Griffey SM, Cheng LW.

Ricin toxicokinetics and its sensitive detection in mouse sera or feces using immuno-PCR.  
PLoS ONE 2010; 5: 9.

He Y, Fekete A, Chen G, Harir M, Zhang L, Tong P, Schmitt-Kopplin P.

Analytical approaches for an important shellfish poisoning agent: domoic acid.  
J Agric Food Chem 2010; online early: doi 10.1021/jf1031789:

Hess C, Musshoff F, Madea B.

Disorders of glucose metabolism - post mortem analyses in forensic cases: part I.  
Int J Legal Med 2010; online early: doi: 10.1007/s00414-010-0509-6:

Hori Y, Iseki K, Suzuki K, Namera A, Fukumoto M, Fuke C, Mori H, Soma K.

[Survey of analytical works for drugs at emergency and critical care centers with high-performance instruments provided by the Ministry of Health and Welfare (at present: Ministry of Health, Labour and Welfare) in fiscal 1998]. In Japanese with English abstract.  
Chudoku Kenkyu 2010; 23: 224-31.

Ijaz A, Maqsood ul Hassan, Shahbaz N, Khan IM, Saeed F, Tariq KM.  
EDTA contamination in laboratory specimens - effect of an awareness campaign.  
J Coll Physicians Surg Pak 2010; 20: 405-7.

Ingels AS, Lambert WE, Stove CP.

Determination of gamma-hydroxybutyric acid in dried blood spots using a simple GC-MS method with direct "on spot" derivatization.  
Anal Bioanal Chem 2010; 398: 2173-82.

Kang Y, Lee Y, Park S, Paek O, Choi H, Jo C, Kim M.

Analysis of tetrodotoxin in puffer fish by liquid chromatography tandem mass spectrometry. (Abstract from the 9th International ISSX Meeting Istanbul Turkey).  
Drug Metab Rev 2010; 42: 42.

Karinen R, Oiestad EL, Andresen W, Wethe G, Smith-Kielland A, Christophersen A.

Comparison of ethanol and other drugs of abuse concentrations in whole blood stored in Venoject® glass and plastic and Venosafe® plastic evacuated tubes.  
J Anal Toxicol 2010; 34: 420-8.

## Analytical toxicology

Kim JH, Gil HW, Yang JO, Lee EY, Hong SY.

Serum uric acid level as a marker for mortality and acute kidney injury in patients with acute paraquat intoxication.

Nephrol Dial Transplant 2010; online early: doi: 10.1093/ndt/gfq632:

Kolmonen M, Leinonen A, Kuuranne T, Pelander A, Ojanpera I. Hydrophilic interaction liquid chromatography and accurate mass measurement for quantification and confirmation of morphine, codeine and their glucuronide conjugates in human urine.

J Chromatogr B Analyt Technol Biomed Life Sci 2010; online early: doi: 10.1016/j.jchromb.2010.08.047:

Li S-F, An R-S, Ma B-Z, Yuan J, Zhang X-L.

[Simultaneous determination of naloxone hydrochloride and estazolam in human plasma by HPLC assay]. In Chinese with English abstract.

Chin Pharm J 2010; 45: 376-8.

Morton J, Leese E.

Arsenic speciation in clinical samples: urine analysis using fast micro-liquid chromatography ICP-MS.

Anal Bioanal Chem 2010; online early: doi: 10.1007/s00216-010-4180-z:

Nilsson GH, Kugelberg FC, Ahlner J, Kronstrand R.

Influence of pre-analytical conditions on the interpretation of zopiclone concentrations in whole blood.

Forensic Sci Int 2010; online early: doi: 10.1016/j.forsciint.2010.08.016:

Ogawa T, Hattori H, Kaneko R, Ito K, Iwai M, Mizutani Y, Arinobu T, Ishii A, Suzuki O, Seno H.

Sensitive analysis of blonanserin, a novel antipsychotic agent, in human plasma by ultra-performance liquid chromatography-tandem mass spectrometry.

Anal Sci 2010; 26: 1099-102.

Panuwet P, Wade EL, Nguyen JV, Montesano MA, Needham LL, Barr DB.

Quantification of cyanuric acid residue in human urine using high performance liquid chromatography-tandem mass spectrometry.

J Chromatogr B Analyt Technol Biomed Life Sci 2010; 878: 2916-22.

Papoutsis II, Nikolaou PD, Athanaselis SA, Pistos CM, Spiliopoulou CA, Maravelias CP.

Development and validation of a highly sensitive GC/MS method for the determination of buprenorphine and nor-buprenorphine in blood.

J Pharm Biomed Anal 2010; online early: doi: 10.1016/j.jpba.2010.09.023:

Raposo R, Barroso M, Fonseca S, Costa S, Queiroz JA, Gallardo E, Dias M.

Determination of eight selected organophosphorus insecticides in postmortem blood samples using solid-phase extraction and gas chromatography/mass spectrometry.

Rapid Commun Mass Spectrom 2010; 24: 3187-94.

Sobin C, Parisi N, Schaub T, de la Riva E.

A Bland-Altman comparison of the LeadCare® system and inductively coupled plasma mass spectrometry for detecting low-level lead in child whole blood samples.

J Med Toxicol 2010; online early: doi: 10.1007/s13181-010-0113-7:

Solovyev ND, Ivanenko NB, Ivanenko AA.

Whole blood thallium determination by GFAAS with high-frequency modulation polarization Zeeman effect background correction.

Biol Trace Elem Res 2010; online early: doi: 10.1007/s12011-010-8865-0:

Stefanidou M, Athanaselis S, Spiliopoulou C, Dona A, Maravelias C. Biomarkers of opiate use.

Int J Clin Pract 2010; 64: 1712-8.

Strano-Rossi S, Cadwallader AB, De la Torre X, Botre F.

Toxicological determination and in vitro metabolism of the designer drug methylenedioxypropylvalerone (MPDV) by gas chromatography/mass spectrometry and liquid chromatography/quadrupole time-of-flight mass spectrometry.

Rapid Commun Mass Spectrom 2010; 24: 2706-14.

Stribrny J, Dogosi M, Snuparek Z, Toupalik P, Balaz P, Bartos P. [3,5-dimethoxyphenol - marker of intoxication with *Taxus baccata*]. In Czech with English abstract.

Soud Lek 2010; 55: 36-9.

Sturm S, Hammann F, Drewe J, Maurer HH, Scholer A.

An automated screening method for drugs and toxic compounds in human serum and urine using liquid chromatography-tandem mass spectrometry.

J Chromatogr B Analyt Technol Biomed Life Sci 2010; 878: 2726-32.

Tenore PL.

Advanced urine toxicology testing.

J Addict Dis 2010; 29: 436-48.

Uhrenholt L, Schumacher B, Freeman M.

[Medico-legal autopsy and testing for alcohol and drugs/medicine after traffic fatalities is not routinely conducted]. In Danish with English abstract.

Ugeskr Laeger 2010; 172: 2683-7.

Valente MJ, Carvalho F, Bastos ML, Carvalho M, de Pinho PG.

Development and validation of a gas chromatography/ion trap-mass spectrometry method for simultaneous quantification of cocaine and its metabolites benzoylecgonine and norcocaine: application to the study of cocaine metabolism in human primary cultured renal cells.

J Chromatogr B Analyt Technol Biomed Life Sci 2010; online early: doi 10.1016/j.jchromb.2010.09.010:

Wang X, Xiang Z, Cai X, Wu H, Wang X, Li J, Zhang M.

Determination of pethidine in human plasma by LC-MS/MS.

Biomed Chromatogr 2010; online early: PM:20872940:

Watterson JH, Desrosiers NA.

Examination of the effect of dose-death interval on detection of meperidine exposure in decomposed skeletal tissues using microwave-assisted extraction.

Forensic Sci Int 2010; online early:

doi:10.1016/j.forsciint.2010.08.021:

Zheng W, Fu SX, Dydak U, Cowan DM.

Biomarkers of manganese intoxication.

Neurotoxicology 2010; online early: doi:

10.1016/j.neuro.2010.10.002:

Zlatkovic M, Jovanovic M, Djordjevic D, Vucinic S.

[Rapid simultaneous determination of organophosphorus pesticides in human serum and urine by liquid chromatography-mass spectrometry]. In Serbian with English abstract.

Vojnosanit Pregl 2010; 67: 717-22.

## Body packers

Kenerson KL, Lear-Kaul KC.

Ingestion of drugs by "parachuting": a unique drug delivery technique.

Am J Forensic Med Pathol 2010; online early: doi:

10.1097/PAF.0b013e3181f69ccc:

## Body packers

Wilcher G.

Drug-related deaths with evidence of intracorporeal drug concealment at autopsy: five case reports.

Am J Forensic Med Pathol 2010; online early: doi: 10.1097/PAF.0b013e3181efbc09:

## Carcinogenicity

Absalon D, Slesak B.

The effects of changes in cadmium and lead air pollution on cancer incidence in children.

Sci Total Environ 2010; 408: 4420-8.

Acharya S, Chaudhuri S, Chatterjee S, Kumar P, Begum Z, Dasgupta S, Flora S, Chaudhuri S.

Immunological profile of arsenic toxicity: a hint towards arsenic-induced carcinogenesis.

Asian Pac J Cancer Prev 2010; 11: 479-90.

Axelsson G, Barregard L, Holmberg E, Sallsten G.

Cancer incidence in a petrochemical industry area in Sweden.

Sci Total Environ 2010; 408: 4482-7.

Bartolotta SA, Pacskowski MG, Hick A, Carballo MA.

Micronuclei assay in exfoliated buccal cells from individuals exposed to arsenic in Argentina.

Arch Environ Contam Toxicol 2010; online early: doi: 10.1007/s00244-010-9607-1:

Cohn B, Cirillo P, Christianson R.

Prenatal DDT exposure and testicular cancer: a nested case-control study.

Arch Environ Occup Health 2010; 65: 127-34.

Eitan O, Yuval, Barchana M, Dubnov J, Linn S, Carmel Y, Broday DM.

Spatial analysis of air pollution and cancer incidence rates in Haifa Bay, Israel.

Sci Total Environ 2010; 408: 4429-39.

Kumar V, Yadav CS, Singh S, Goel S, Ahmed RS, Gupta S, Grover RK, Banerjee BD.

CYP 1A1 polymorphism and organochlorine pesticides levels in the etiology of prostate cancer.

Chemosphere 2010; 81: 464-8.

Lan Q, Zhang L, Tang X, Shen M, Smith MT, Qiu C, Ge Y, Ji Z, Xiong J, He J, Reiss B, Hao Z, Liu S, Xie Y, Guo W, Purdue MP, Galvan N, Xin KX, Hu W, Beane Freeman LE, Blair AE, Li L, Rothman N, Vermeulen R, Huang H.

Occupational exposure to trichloroethylene is associated with a decline in lymphocyte subsets and soluble CD27 and CD30 markers.

Carcinogenesis 2010; 31: 1592-6.

Maiti S, Chattopadhyay S, Deb B, Samanta T, Maji G, Pan B, Ghosh A, Ghosh D.

Antioxidant and metabolic impairment result in DNA damage in arsenic-exposed individuals with severe dermatological manifestations in Eastern India.

Environ Toxicol 2010; online early: doi: 10.1002/tox.20647:

Meliker JR, Goovaerts P, Jacquez GM, Nriagu JO.

Incorporating individual-level distributions of exposure error in epidemiologic analyses: an example using arsenic in drinking water and bladder cancer.

Ann Epidemiol 2010; 20: 750-8.

Nickens KP, Patierno SR, Ceryak S.

Chromium genotoxicity: a double-edged sword.

Chem Biol Interact 2010; 188: 276-88.

Peplonska B, Stewart P, Szeszenia-Dabrowska N, Lissowska J, Brinton LA, Gromiec JP, Brzezniacki S, Yang XR, Sherman M, García-Closas M, Blair A.

Occupational exposure to organic solvents and breast cancer in women.

Occup Environ Med 2010; 67: 722-9.

Prochazka M, Feychting M, Ahlbom A, Edwards CG, Nise G, Plato N, Schwartzbaum JA, Forsen UM.

Occupational exposures and risk of acoustic neuroma.

Occup Environ Med 2010; 67: 766-71.

Thompson CM, Haws LC, Harris MA, Gatto NM, Proctor DM.

Application of the US EPA mode of action framework for purposes of guiding future research: a case study involving the oral carcinogenicity of hexavalent chromium.

Toxicol Sci 2010; online early: doi: 10.1093/toxsci/kfq320:

Tokar EJ, Diwan BA, Ward JM, Delker DA, Waalkes MP.

Carcinogenic effects of whole life exposure to inorganic arsenic in CD1 mice.

Toxicol Sci 2010; online early: doi: 10.1093/toxsci/kfq315:

## Chemical sensitivity

De Luca C, Scordo G, Cesareo E, Raskovic D, Genovesi G, Korkina L.

Idiopathic environmental intolerances (IEI): from molecular epidemiology to molecular medicine.

Indian J Exp Biol 2010; 48: 625-35.

Genuis SJ.

Sensitivity-related illness: the escalating pandemic of allergy, food intolerance and chemical sensitivity.

Sci Total Environ 2010; online early: doi:

10.1016/j.scitotenv.2010.08.047:

## Dermal toxicity

Alpay A, Ermis B, Ugurbas SC, Battal F, Sagdik HM.

The local vasoconstriction of infant's skin following instillation of mydriatic eye drops.

Eur J Clin Pharmacol 2010; 66: 1161-4.

Black AT, Hayden PJ, Casillas RP, Heck DE, Gerecke DR, Sinko PJ, Laskin DL, Laskin JD.

Expression of proliferative and inflammatory markers in a full-thickness human skin equivalent following exposure to the model sulfur mustard vesicant, 2-chloroethyl ethyl sulfide.

Toxicol Appl Pharmacol 2010; 249: 178-87.

Braue EH, Jr, Smith KH, Doxzon BF, Lumpkin HL, Clarkson ED.

Efficacy studies of reactive skin decontamination lotion, M291 skin decontamination kit, 0.5% bleach, 1% soapy water, and skin exposure reduction paste against chemical warfare agents. Part 1: guinea pigs challenged with VX.

Cutan Ocul Toxicol 2010; online early: doi:

10.3109/15569527.2010.515280:

Braue EH, Jr, Smith KH, Doxzon BF, Lumpkin HL, Clarkson ED.

Efficacy studies of reactive skin decontamination lotion, M291 skin decontamination kit, 0.5% bleach, 1% soapy water, and skin exposure reduction paste against chemical warfare agents. Part 2: guinea pigs challenged with soman.

Cutan Ocul Toxicol 2010; online early: doi:

10.3109/15569527.2010.515281:

Burgher F, Mathieu L, Lati E, Gasser P, Peno-Mazzarino L, Blomet J, Hall AH, Maibach HI.

Part 2. Comparison of emergency washing solutions in 70% hydrofluoric acid-burned human skin in an established ex vivo explants model.

Cutan Ocul Toxicol 2010; online early: doi:

103109/15569527.2010.534748: 1-8.

## Dermal toxicity

Burgher F, Mathieu L, Lati E, Gasser P, Peno-Mazzarino L, Blomet J, Hall AH, Maibach HI.

Part 1. Experimental 70% hydrofluoric acid burns: histological observations in an established human skin explants ex vivo model.

Cutan Ocul Toxicol 2010; online early: doi: 10.3109/15569527.2010.533316:

Chan HP, Maibach HI.

Hair highlights and severe acute irritant dermatitis ("burn") of the scalp.

Cutan Ocul Toxicol 2010; 29: 229-33.

Fediuk DJ, Wang T, Raizman JE, Parkinson FE, Gu X.

Tissue deposition of the insect repellent DEET and the sunscreen oxybenzone from repeated topical skin applications in rats.

Int J Toxicol 2010; online early: doi: 10.1177/1091581810380147:

Firooz A, Sadr B, Davoudi SM, Nassiri-Kashani M, Panahi Y, Dowlati Y.

Long-term skin damage due to chemical weapon exposure.

Cutan Ocul Toxicol 2010; online early: doi: 10.3109/15569527.2010.529547: 1-5.

Genovese RF, Benton BJ, Oubre JL, Byers CE, Jakubowski EM, Mioduszewski RJ, Settle TJ, Steinbach TJ.

Determination of threshold adverse effect doses of percutaneous VX exposure in African green monkeys.

Toxicology 2010; online early: doi:10.1016/j.tox.2010.09.012: 1-8.

Gilpin S, Maibach H.

Allergic contact dermatitis caused by farnesol: clinical relevance.

Cutan Ocul Toxicol 2010; 29: 278-87.

Morris S, Barlow R, Selva D, Malhotra R.

Allergic contact dermatitis: a case series and review for the ophthalmologist.

Br J Ophthalmol 2010; online early: doi: 10.1136/bjo.2009.174607:

Nicholson PJ, Llewellyn D, English JS.

Evidence-based guidelines for the prevention, identification and management of occupational contact dermatitis and urticaria.

Contact Dermatitis 2010; 63: 177-86.

Riviere JE, Brooks JD.

Predicting skin permeability from complex chemical mixtures: dependency of quantitative structure permeation relationships (QSPR) on biology of skin model used.

Toxicol Sci 2010; online early: doi: 10.1093/toxsci/kfq317:

Robinett DA, Shelton B, Dyer KS.

Special considerations in hazardous materials burns.

J Emerg Med 2010; 39: 544-53.

Usatine RP, Riojas M.

Diagnosis and management of contact dermatitis.

Am Fam Physician 2010; 82: 249-55.

## Developmental toxicology

Aliyu MH, Alio AP, Salihu HM.

To breastfeed or not to breastfeed: a review of the impact of lactational exposure to polychlorinated biphenyls (PCBs) on infants.

J Environ Health 2010; 73: 8-14.

Blumenfeld YJ, Reynolds-May MF, Altman RB, El-Sayed YY.

Maternal-fetal and neonatal pharmacogenomics: a review of current literature.

J Perinatol 2010; 30: 571-9.

Burns L, Conroy E, Mattick RP.

Infant mortality among women on a methadone program during pregnancy.

Drug Alcohol Rev 2010; 29: 551-6.

Carney EW, Tornesi B, Liberacki AB, Markham DA, Weitz KK, Luders TM, Studniski KG, Blessing JC, Gies RA, Corley RA.

The impact of dose-rate on ethylene glycol developmental toxicity and pharmacokinetics in pregnant CD rats.

Toxicol Sci 2010; online early: doi:10.1093/toxsci/kfq310:

Cohn B, Cirillo P, Christianson R.

Prenatal DDT exposure and testicular cancer: a nested case-control study.

Arch Environ Occup Health 2010; 65: 127-34.

Costa LG, Giordano G, Faustman EM.

Domoic acid as a developmental neurotoxin.

Neurotoxicology 2010; 31: 409-23.

Davidson PW, Leste A, Benstrong E, Burns CM, Valentin J, Sloane-Reeves J, Huang L-S, Miller WA, Gunzler D, van Wijngaarden E, Watson GE, Zareba G, Shamlaye CF, Myers GJ.

Fish consumption, mercury exposure, and their associations with scholastic achievement in the Seychelles child development study.

Neurotoxicology 2010; 31: 439-47.

De Siqueira MT, Braga C, Cabral-Filho JE, Augusto LGDS, Figueiroa JN, Souza AI.

Correlation between pesticide use in agriculture and adverse birth outcomes in Brazil: an ecological study.

Bull Environ Contam Toxicol 2010; 84: 647-51.

Di Renzo F, Broccia ML, Giavini E, Menegola E.

Stage-dependent abnormalities induced by the fungicide triadimefon in the mouse.

Reprod Toxicol 2010; online early:

doi:10.1016/j.reprotox.2010.10.011:

Edwards SC, Jedrychowski W, Butscher M, Camann D, Kieltyka A, Mroz E, Flak E, Li Z, Wang S, Rauh V, Perera F.

Prenatal exposure to airborne polycyclic aromatic hydrocarbons and children's intelligence at 5 years of age in a prospective cohort study in Poland.

Environ Health Perspect 2010; 118: 1326-31.

Ema M, Kobayashi N, Naya M, Hanai S, Nakanishi J.

Reproductive and developmental toxicity studies of manufactured nanomaterials.

Reprod Toxicol 2010; 30: 343-52.

Fabian D, Bystriansky J, Burkus J, Rehak P, Legath J, Koppel J.

The effect of herbicide BASTA 15 on the development of mouse preimplantation embryos in vivo and in vitro.

Toxicol Vitro 2010; online early: doi:

10.1016/j.tiv.2010.09.009:

Fucic A, Stojkovic R, Miskov S, Zeljezic D, Markovic D, Gjergja R, Katic J, Jazbec AM, Bakulic TI, Demarin V.

Transplacental genotoxicity of antiepileptic drugs: animal model and pilot study on mother/newborn cohort.

Reprod Toxicol 2010; online early:

doi:10.1016/j.reprotox.2010.08.008:

Goodman JE, Kerper LE, Boyce CP, Prueitt RL, Rhomberg LR.

Weight-of-evidence analysis of human exposures to dioxins and dioxin-like compounds and associations with thyroid hormone levels during early development.

Regul Toxicol Pharmacol 2010; 58: 79-99.

## Developmental toxicology

Hobler C, Andrade AJM, Grande SW, Gericke C, Talsness CE, Appel KE, Chahoud I, Grote K.

Sex-dependent aromatase activity in rat offspring after pre- and postnatal exposure to triphenyltin chloride.

Toxicology 2010; 276: 198-205.

Karada M.

Congenital Minamata disease: intrauterine methylmercury poisoning. Teratology 18:285-8. 1978.

Birth Defects Res A Clin Mol Teratol 2010; 88: 906-9.

Kasem M, Sayasneh A, Matta N.

Maternal use of methadone and neonatal thrombocytosis.

Internet J Pediatr Neonatol 2010; 11: 1.

Koren G, Bend JR.

Fish consumption in pregnancy and fetal risks of methylmercury toxicity.

Can Fam Physician 2010; 56: 1001-2.

Liu ST, Young GC, Lee YC, Chang YF.

A preliminary report on the toxicity of arecoline on early pregnancy in mice.

Food Chem Toxicol 2010; online early: doi:

10.1016/j.fct.2010.10.009:

Lynch ML, Huang LS, Cox C, Strain JJ, Myers GJ, Bonham MP, Shamlaye CF, Stokes-Riner A, Wallace JM, Duffy EM, Clarkson TW, Davidson PW.

Varying coefficient function models to explore interactions between maternal nutritional status and prenatal methylmercury toxicity in the Seychelles child development nutrition study.

Environ Res 2010; online early: doi:

10.1016/j.envres.2010.09.005:

Makris L, Euling SY, Gray LE, Jr., Benson R, Foster P.

Use of genomic data in risk assessment. Case study: I. Evaluation of the dibutyl phthalate male reproductive development toxicity dataset.

Toxicol Appl Pharmacol 2010; online early: doi:

10.1016/j.taap.2010.09.006:

McCance-Katz EF.

Drug interactions associated with methadone, buprenorphine, cocaine, and HIV medications: implications for pregnant women.

Life Sci 2010; online early: doi: 10.1016/j.lfs.2010.09.016:

Nzerue CM, Carew K, Faulkner M, Torrente S, Fleming M.

Spontaneous perinephric haemorrhage and acute renal failure in pregnancy due to cocaine intoxication.

NDT Plus 2010; 3: 265-8.

Oliveira CD, Moreira CQ, Marques de Sa LR, de Souza Spinosa H, Yonamine M.

The relevance of performing developmental toxicity studies about ayahuasca.

Birth Defects Res B Dev Reprod Toxicol 2010; online early:

PM:20976698:

Pogrmic-Majkic K, Fa S, Dakic V, Kaisarevic S, Kovacevic R.

Upregulation of peripubertal rat Leydig cell steroidogenesis following 24 h in vitro and in vivo exposure to atrazine.

Toxicol Sci 2010; 118: 52-60.

Robinson JF, Yu X, Moreira EG, Hong S, Faustman EM.

Arsenic- and cadmium-induced toxicogenomic response in mouse embryos undergoing neurulation.

Toxicol Appl Pharmacol 2010; online early: doi:

10.1016/j.taap.2010.09.018:

Shin BS, Hwang SW, Bulitta JB, Lee JB, Yang SD, Park JS, Kwon MC, Kim do J, Yoon HS, Yoo SD.

Assessment of bisphenol A exposure in Korean pregnant women by physiologically based pharmacokinetic modeling.

J Toxicol Environ Health A 2010; 73: 1586-98.

Sweeting JN, Siu M, Wiley MJ, Wells PG.

Species- and strain-dependent teratogenicity of methanol in rabbits and mice.

Reprod Toxicol 2010; online early: doi:

10.1016/j.reprotox.2010.09.014:

Thajam D, Atkinson DE, Sibley CP, Lavender T.

Is neonatal abstinence syndrome related to the amount of opiate used?

J Obstet Gynecol Neonatal Nurs 2010; 39: 503-9.

Tonk ECM, De Groot DMG, Penninks AH, Waalkens-Berendsen IDH, Wolterbeek APM, Slob W, Piersma AH, Van Loveren H.

Developmental immunotoxicity of methylmercury: the relative sensitivity of developmental and immune parameters.

Toxicol Sci 2010; 117: 325-35.

Vajda F, O'Brien T.

Valproic acid use in pregnancy and congenital malformations.

N Engl J Med 2010; 363: 1771-2.

van Ravenzwaay B, Dammann M, Buesen R, Schneider S.

The threshold of toxicological concern for prenatal developmental toxicity.

Regul Toxicol Pharmacol 2010; online early: doi:

10.1016/j.yrtph.2010.09.009:

Zimmermann-Baer U, Notzli U, Rentsch K, Bucher HU.

Finnegan neonatal abstinence scoring system: normal values for first 3 days and weeks 5-6 in non-addicted infants.

Addiction 2010; 105: 524-8.

## Driving under the influence

Livingston M, Matthews S, Barratt MJ, Lloyd B, Room R.

Diverging trends in alcohol consumption and alcohol-related harm in Victoria.

Aust N Z J Public Health 2010; 34: 368-73.

Spaanjaars NL, Spijkerman R, Engels RC.

Do smooth waters run deep? Alcohol intoxication and the effects of water consumption on driving-related cognitions and behavior.

Eur Addict Res 2010; 17: 21-8.

Uhrenholt L, Schumacher B, Freeman M.

[Medico-legal autopsy and testing for alcohol and drugs/medicine after traffic fatalities is not routinely conducted]. In Danish with English abstract.

Ugeskr Laeger 2010; 172: 2683-7.

## Epidemiology

Ahmed B, Fatmi Z, Siddiqui AR, Sheikh AL.

Predictors of unintentional poisoning among children under 5 years of age in Karachi: a matched case-control study.

Injury Prev 2010; online early: doi: 10.1136/ip.2010.027524:

Al-Barraq A, Farahat F.

Pattern and determinants of poisoning in a teaching hospital in Riyadh, Saudi Arabia.

Saudi Pharm J 2010; online early:

doi:10.1016/j.jsps.2010.10.002:

Baggott MJ, Coyle JR, Erowid E, Erowid F, Robertson LC.

Abnormal visual experiences in individuals with histories of hallucinogen use: a web-based questionnaire.

Drug Alcohol Depend 2010; online early:

doi:10.1016/j.drugalcdep.2010.09.006:

## Epidemiology

Baldacchino A, Crome IB, Zador D, McGarrol S, Taylor A, Hutchison S, Fahey T, Hickman M, Kidd B.  
Recording of clinical information in a Scotland-wide drug deaths study.

J Psychopharmacol 2010; 24: 1289-98.

Burns CJ, Bodner KM, Jammer BL, Collins JJ, Swaen GH.  
Mortality surveillance of a US wide cohort of chemical industry workers.

J Occup Environ Med 2010; 52: 982-7.

Burns L, Conroy E, Mattick RP.  
Main reasons for hospital admissions by women with a history of methadone maintenance.

Drug Alcohol Rev 2010; 29: 669-75.

Burns L, Conroy E, Mattick RP.  
Infant mortality among women on a methadone program during pregnancy.

Drug Alcohol Rev 2010; 29: 551-6.

Buykx P, Loxley W, Dietze P, Ritter A.  
Medications used in overdose and how they are acquired - an investigation of cases attending an inner Melbourne emergency department.

Aust N Z J Public Health 2010; 34: 401-4.

Carrasco-Garrido P, Lopez de Andres A, Hernandez-Barrera V, Gil de Miguel A, Jimenez-Garcia R.  
Trends of adverse drug reactions related-hospitalizations in Spain (2001-2006).

BMC Health Serv Res 2010; 10: 287.

Chan HP, Maibach HI.  
Hair highlights and severe acute irritant dermatitis ("burn") of the scalp.

Cutan Ocul Toxicol 2010; 29: 229-33.

Cohen DP, Unoh E, Barry H, O'Connor JJ.  
Codeine misuse among service users on a methadone treatment programme.

Ir J Med Sci 2010; 179: 465.

Craig DGN, Bates CM, Davidson JS, Martin KG, Hayes PC, Simpson KJ.

Overdose pattern and outcome in paracetamol-induced acute severe hepatotoxicity.

Br J Clin Pharmacol 2010; online early: doi: 10.1111/j.1365-2125.2010.03819.x:

Daghir E, Markuszewski MJ.  
Disposition of drugs of abuse and their metabolites in wastewater as a method of the estimation of drug consumption.

Curr Drug Metab 2010; online early: PM:20942782:

Davis AP, King BL, Mockus S, Murphy CG, Saraceni-Richards C, Rosenstein M, Wieggers T, Mattingly CJ.

The Comparative Toxicogenomics Database: update 2011.  
Nucleic Acids Res 2010; online early: doi: 10.1093/nar/gkq813:

De Siqueira MT, Braga C, Cabral-Filho JE, Augusto LGDS, Figueiroa JN, Souza AI.

Correlation between pesticide use in agriculture and adverse birth outcomes in Brazil: an ecological study.

Bull Environ Contam Toxicol 2010; 84: 647-51.

Espitia-Hardeman V, Hungerford D, Hill HA, Betancourt CE, Villareal AN, Caycedo LD, Portillo C.

Alcohol-associated injury visits to emergency departments in Pasto, Colombia in 2006.

Int J Inj Contr Saf Promot 2010; 17: 129-33.

Forrester MB.  
Pediatric carvedilol ingestions reported to Texas poison centers, 2000 to 2008.

Pediatr Emerg Care 2010; online early: doi:

10.1097/PEC.0b013e3181f39635:

Friedman LS, Modi P, Liang S, Hryhorczuk D.  
Analysis of hymenoptera stings reported to the Illinois Poison Center.

J Med Entomol 2010; 47: 907-12.

Gómez JP, Quintana JC, Arbeláez P, Fernández J, Silva JF, Barona J, Gutiérrez JC, Díaz A, Otero R.

[*Tityus asthenes* scorpion stings: epidemiological, clinical and toxicological aspects]. In Spanish with English abstract.

Biomedica 2010; 30: 126-39.

Guloglu C, Orak M, Ustundag M, Altunci YA.

Analysis of amitriptyline overdose in emergency medicine.

Emerg Med J 2010; online early: 10.1136/emj.2009.076596:

Gustafsson NK, Ramstedt MR.

Changes in alcohol-related harm in Sweden after increasing alcohol import quotas and a Danish tax decrease - an interrupted time-series analysis for 2000-2007.

Int J Epidemiol 2010; online early: doi: 10.1093/ije/dyq153:

Herrera Justiniano C.

Intoxicaciones por productos del hogar. [Poisonings from household products] In Spanish with English abstract.

Pediatr Integr 2010; 14: 385-95.

Hori Y, Iseki K, Suzuki K, Namera A, Fukumoto M, Fuke C, Mori H, Soma K.

[Survey of analytical works for drugs at emergency and critical care centers with high-performance instruments provided by the Ministry of Health and Welfare (at present: Ministry of Health, Labour and Welfare) in fiscal 1998]. In Japanese with English abstract.

Chudoku Kenkyu 2010; 23: 224-31.

Iravani FS, Akhgari M, Jokar F, Bahmanabadi L.

Current trends in tramadol-related fatalities, Tehran, Iran 2005-2008.

Subst Use Misuse 2010; 45: 2162-71.

Kaoru I.

[Epidemiology of hydrogen sulfide poisoning in Japan]. In Japanese.

Chudoku Kenkyu 2010; 23: 199-205.

Karsbol JD, Jorgensen HL, Dalhoff K.

[Low mortality following salicylic poisoning.]. In Danish with English abstract.

Ugeskr Laeger 2010; 172: 2541-6.

Keaney F, Gossop M, Dimech A, Guerrini I, Butterworth M, Al-Hassani H, Morinan A.

Physical health problems among patients seeking treatment for substance use disorders: a comparison of drug dependent and alcohol dependent patients.

J Subst Use 2010; online early: doi:

10.3109/14659890903580474: 1-11.

Krishnakumar P, Geeta MG, Riyaz A.

Deliberate self harm in children.

Indian Pediatr 2010; online early: PM:20972301:

Kuhns JB, Wilson DB, Clodfelter TA, Maguire ER, Ainsworth SA.  
A meta-analysis of alcohol toxicology study findings among homicide victims.

Addiction 2010; online early: doi: 10.1111/j.1360-0443.2010.03153.x:

## Epidemiology

Kulkarni R, Chauhan S, Shah B, Menon G.

Cause of death among reproductive age group women in Maharashtra, India.

Indian J Med Res 2010; 132: 150-4.

Laidlaw MA, Taylor MP.

Potential for childhood lead poisoning in the inner cities of Australia due to exposure to lead in soil dust.

Environ Pollut 2010; online early: doi: 10.1016/j.envpol.2010.08.020:

Laing WJ, Lupton DJ, Veiraiah A, Bateman DN.

Legislation and acetaminophen overdose in a UK hospital 2000-2008. Abstract of the 2010 North American Congress of Clinical Toxicology Annual Meeting, October 7-12, 2010. Denver, CO, USA. Clin Toxicol 2010; 48: 605.

Livingston M, Matthews S, Barratt MJ, Lloyd B, Room R.

Diverging trends in alcohol consumption and alcohol-related harm in Victoria.

Aust N Z J Public Health 2010; 34: 368-73.

Livshits Z, Hoffman RS.

Comment: a population study of the frequency of high-dose acetaminophen prescribing and dispensing.

Ann Pharmacother 2010; online early: doi: 10.1345/aph.1P012a:

Mazur J, Malinowska-Cieslik M.

[Perspectives on future decline in child and adolescent mortality in Poland]. In Polish with English abstract.

Med Wieku Rozwoj 2010; 14: 150-9.

McKenny M, O'Beirne S, Fagan C, O'Connell M.

Alcohol-related admissions to an intensive care unit in Dublin.

Ir J Med Sci 2010; 179: 405-8.

Meggs WJ, Brewer KL.

Toxicant exposures and the obesity epidemic.

J Med Toxicol 2010; 6: 275.

Meliker JR, Goovaerts P, Jacquez GM, Nriagu JO.

Incorporating individual-level distributions of exposure error in epidemiologic analyses: an example using arsenic in drinking water and bladder cancer.

Ann Epidemiol 2010; 20: 750-8.

Milloy MJ, Wood E, Reading C, Kane D, Montaner J, Kerr T.

Elevated overdose mortality rates among first nations individuals in a Canadian setting: a population-based analysis.

Addiction 2010; 105: 1962-70.

Moller LF, Matic S, van den Bergh BJ, Moloney K, Hayton P, Gatherer A.

Acute drug-related mortality of people recently released from prisons.

Public Health 2010; online early: doi: 10.1016/j.puhe.2010.08.012:

Morgan BW, Skinner CG, Kleiman RJ, Geller RJ, Chang AS.

Review of multi-person exposure calls to a regional poison control center.

West J Med 2010; 11: 291-3.

Mrazova K, Navratil T, Pelcova D.

Use and accidental exposure to hallucinogenic agents reported to the Czech toxicological information centre from 1995 to 2008.

Subst Use Misuse 2010; online early: doi: 10.3109/10826084.2010.527418:

Oshiro N, Yogi K, Asato S, Sasaki T, Tamanaha K, Hiramata M, Yasumoto T, Inafuku Y.

Ciguatera incidence and fish toxicity in Okinawa, Japan.

Toxicon 2010; 56: 656-61.

Park SK, Elmarsafawy S, Mukherjee B, Spiro A, Vokonas PS, Nie H, Weisskopf MG, Schwartz J, Hu H.

Cumulative lead exposure and age-related hearing loss: the VA normative aging study.

Hear Res 2010; 269: 48-55.

Patrick AR, Miller M, Barber CW, Wang PS, Canning CF, Schneeweiss S.

Identification of hospitalizations for intentional self-harm when E-codes are incompletely recorded.

Pharmacoepidemiol Drug Saf 2010; online early: doi: 10.1002/pds.2037:

Pedapati EV, Bateman ST.

Toddlers requiring pediatric intensive care unit admission following at-home exposure to buprenorphine/naloxone.

Pediatr Crit Care Med 2010; online early: doi: 10.1097/PCC.0b013e3181f3a118:

Petersen DD.

Common plant toxicology: a comparison of national and Southwest Ohio data trends on plant poisonings in the 21st century.

Toxicol Appl Pharmacol 2010; online early: doi:10.1016/j.taap.2010.10.022:

Ramos CL, Barros HM, Stein AT, da Costa JS.

Risk factors contributing to childhood poisoning.

J Pediatr 2010; 86: 435-40.

Sheikhazadi A, Saberi Anary SH, Ghadyani MH.

Non-fire carbon monoxide-related deaths: a survey in Tehran, Iran (2002-2006).

Am J Forensic Med Pathol 2010; online early: PM:20890171:

Simonsen KW, Normann PT, Ceder G, Vuori E, Thordardottir S, Thelander G, Hansen AC, Teige B, Rollmann D.

Fatal poisoning in drug addicts in the Nordic countries in 2007.

Forensic Sci Int 2010; online early: doi:10.1016/j.forsciint.2010.10.001:

Stolle M, Sack PM, Spieles H, Thomasius R.

[Acute ethanol intoxication among children and adolescents in Hamburg, Germany]. In German with English abstract.

Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz 2010; 53: 910-6.

Suzuki K, Nakai K, Sugawara T, Nakamura T, Ohba T, Shimada M, Hosokawa T, Okamura K, Sakai T, Kurokawa N, Murata K, Satoh C, Satoh H.

Neurobehavioral effects of prenatal exposure to methylmercury and PCBs, and seafood intake: neonatal behavioral assessment scale results of Tohoku study of child development.

Environ Res 2010; 110: 699-704.

Szaflarski M, Cubbins LA, Ying J.

Epidemiology of alcohol abuse among US immigrant populations.

J Immigr Minor Health 2010; online early: doi: 10.1007/s10903-010-9394-9:

Talarowska M, Ostrycharczyk K, Florkowski A, Jurczyk AP, Galecki P.

[The risk of death following the consumption of ethanol based on forensic research material]. In Polish with English abstract.

Pol Merkuriusz Lek 2010; 29: 100-2.

## Epidemiology

Uhrenholt L, Schumacher B, Freeman M.

[Medico-legal autopsy and testing for alcohol and drugs/medicine after traffic fatalities is not routinely conducted]. In Danish with English abstract.

Ugeskr Laeger 2010; 172: 2683-7.

Windfuhr K, Turnbull P, While D, Swinson N, Mehta H, Hadfield K, Hiroeh U, Watkinson H, Dixon C, Flynn S, Thomas S, Lewis G, Ferrier I, Amos T, Skapinakis P, Shaw J, Kapur N, Appleby L. The incidence and associated risk factors for sudden unexplained death in psychiatric in-patients in England and Wales.

J Psychopharmacol 2010; online early: doi: 10.1177/0269881110379288:

Winstock A, Mitcheson L, Marsden J.

Mephedrone: still available and twice the price.

Lancet 2010; 376: 1537.

Young AM, Havens JR, Leukefeld CG.

Route of administration for illicit prescription opioids: a comparison of rural and urban drug users.

Harm Reduct J 2010; 7: 24.

Zebley BD, Ferrando SJ.

Suicide-related events in patients treated with antiepileptic drugs. N Engl J Med 2010; 363: 1873-4.

## Forensic toxicology

Argo A, Bongiorno D, Bonifacio A, Pernice V, Liotta R, Indelicato S, Zerbo S, Fleres P, Ceraulo L, Procaccianti P.

A fatal case of a paint thinner ingestion: comparison between toxicological and histological findings.

Am J Forensic Med Pathol 2010; 31: 186-91.

Barroso M, Dias M, Vieira DN, Lopez-Rivadulla M, Queiroz JA.

Mixed-mode solid-phase extraction for sample cleanup in hair analysis for methadone and its main metabolite.

Biomed Chromatogr 2010; 24: 1240-6.

Buykx P, Loxley W, Dietze P, Ritter A.

Medications used in overdose and how they are acquired - an investigation of cases attending an inner Melbourne emergency department.

Aust N Z J Public Health 2010; 34: 401-4.

Cerase A, Leonini S, Bellini M, Chianese G, Venturi C.

Methadone-induced toxic leukoencephalopathy: diagnosis and follow-up by magnetic resonance imaging including diffusion-weighted imaging and apparent diffusion coefficient maps.

J Neuroimaging 2010; online early: doi: 10.1111/j.1552-6569.2010.00530:

Dresen S, Ferreiros N, Putz M, Westphal F, Zimmermann R, Auwarter V.

Monitoring of herbal mixtures potentially containing synthetic cannabinoids as psychoactive compounds.

J Mass Spectrom 2010; 45: 1186-94.

Edelev NS, Obukhova LM, Konov AS.

[On the mechanisms of formation of the serum structural macroportrait in subjects suffering fatal intoxication with narcotic and potent substances]. In Russian with English abstract.

Sud Med Ekspert 2010; 53: 22-5.

Fishbain DA, Lewis JE, Gao J.

Allegations of medical malpractice in chronic opioid analgesic therapy possibly related to collaborative/split treatment and the p-450 enzyme system: forensic case report.

Pain Med 2010; 11: 1419-25.

Gosselin M, Ramirez Fernandez MdM, Wille SM, Samyn N, De Boeck G, Bourel B.

Quantification of methadone and its metabolite 2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine in third instar larvae of *Lucilia sericata* (diptera: *Calliphoridae*) using liquid chromatography-tandem mass spectrometry.

J Anal Toxicol 2010; 34: 374-80.

Hess C, Musshoff F, Madea B.

Disorders of glucose metabolism - post mortem analyses in forensic cases: part I.

Int J Legal Med 2010; online early: doi: 10.1007/s00414-010-0509-6:

Hori Y, Iseki K, Suzuki K, Namera A, Fukumoto M, Fuke C, Mori H, Soma K.

[Survey of analytical works for drugs at emergency and critical care centers with high-performance instruments provided by the Ministry of Health and Welfare (at present: Ministry of Health, Labour and Welfare) in fiscal 1998]. In Japanese with English abstract.

Chudoku Kenkyu 2010; 23: 224-31.

Ingels AS, Lambert WE, Stove CP.

Determination of gamma-hydroxybutyric acid in dried blood spots using a simple GC-MS method with direct "on spot" derivatization.

Anal Bioanal Chem 2010; 398: 2173-82.

Kolmonen M, Leinonen A, Kuuranne T, Pelander A, Ojanpera I.

Hydrophilic interaction liquid chromatography and accurate mass measurement for quantification and confirmation of morphine, codeine and their glucuronide conjugates in human urine.

J Chromatogr B Analyt Technol Biomed Life Sci 2010; online early: doi: 10.1016/j.jchromb.2010.08.047:

Kuhns JB, Wilson DB, Clodfelter TA, Maguire ER, Ainsworth SA.

A meta-analysis of alcohol toxicology study findings among homicide victims.

Addiction 2010; online early: doi: 10.1111/j.1360-0443.2010.03153.x:

Levy RJ.

Clinical effects and lethal and forensic aspects of propofol.

J Forensic Med 2010; online early: doi: 10.1111/j.1556-4029.2010.01583.x:

Maebashi K, Iwadate K, Sakai K, Takatsu A, Fukui K, Aoyagi M, Ochiai E, Nagai T.

Toxicological analysis of 17 autopsy cases of hydrogen sulfide poisoning resulting from the inhalation of intentionally generated hydrogen sulfide gas.

Forensic Sci Int 2010; online early: doi:

10.1016/j.forsciint.2010.09.008:

Magnusdottir K, Kristinsson J, Johannesson T.

[Adulterated alcoholic beverages.]. In Icelandic with English abstract.

Laeknabladid 2010; 96: 626-8.

Morgan DR, Musa M.

Self inflicted death following inhalation and ingestion of builders polyurethane expandable foam.

J Forensic Legal Med 2010; online early:

doi:10.1016/j.jflm.2010.09.004:

Musshoff F, Stamer UM, Madea B.

Pharmacogenetics and forensic toxicology.

Forensic Sci Int 2010; online early: doi:

10.1016/j.forsciint.2010.07.011:

Nilsson GH, Kugelberg FC, Ahlner J, Kronstrand R.

Influence of pre-analytical conditions on the interpretation of zopiclone concentrations in whole blood.

Forensic Sci Int 2010; online early: doi:

10.1016/j.forsciint.2010.08.016:

## Forensic toxicology

Noworyta-Glowacka J, Bankowski R, Wiadrowska B, Ludwicki JK. [Toxicological evaluation of crop protection chemicals in the EU registration process]. *Rocz Panstw Zakl Hig* 2010; 61: 1-6.

Palmer RB.

Fentanyl in postmortem forensic toxicology. *Clin Toxicol* 2010; 48: 771-84.

Pigolkin II, Dolzhanskii OV.

[Comparative characteristic of morphological changes in brain during acute hemorrhage in drug intoxicated subjects and non-drug users]. In Russian with English abstract. *Sud Med Ekspert* 2010; 53: 4-6.

Poli D, Gagliano-Candela R, Strisciullo G, Colucci AP, Strada L, Laviola D, Goldoni M, Mutti A.

Nitrous oxide determination in postmortem biological samples: a case of serial fatal poisoning in a public hospital. *J Forensic Sci* 2010; 55: 258-64.

Raposo R, Barroso M, Fonseca S, Costa S, Queiroz JA, Gallardo E, Dias M.

Determination of eight selected organophosphorus insecticides in postmortem blood samples using solid-phase extraction and gas chromatography/mass spectrometry. *Rapid Commun Mass Spectrom* 2010; 24: 3187-94.

Sheikhazadi A, Saberi Anary SH, Ghadyani MH.

Non-fire carbon monoxide-related deaths: a survey in Tehran, Iran (2002-2006). *Am J Forensic Med Pathol* 2010; online early: PM:20890171:

Simonsen KW, Normann PT, Ceder G, Vuori E, Thordardottir S, Thelander G, Hansen AC, Teige B, Rollmann D.

Fatal poisoning in drug addicts in the Nordic countries in 2007. *Forensic Sci Int* 2010; online early: doi:10.1016/j.forsciint.2010.10.001:

Stefanidou M, Athanaselis S, Spiliopoulou C, Dona A, Maravelias C.

Biomarkers of opiate use. *Int J Clin Pract* 2010; 64: 1712-8.

Strano-Rossi S, Cadwallader AB, De la Torre X, Botre F.

Toxicological determination and in vitro metabolism of the designer drug methylenedioxypropylvalerone (MPDV) by gas chromatography/mass spectrometry and liquid chromatography/quadrupole time-of-flight mass spectrometry. *Rapid Commun Mass Spectrom* 2010; 24: 2706-14.

Sturm S, Hammann F, Drewe J, Maurer HH, Scholer A.

An automated screening method for drugs and toxic compounds in human serum and urine using liquid chromatography-tandem mass spectrometry. *J Chromatogr B Analyt Technol Biomed Life Sci* 2010; 878: 2726-32.

Talarowska M, Ostrycharczyk K, Florkowski A, Jurczyk AP, Galecki P.

[The risk of death following the consumption of ethanol based on forensic research material]. In Polish with English abstract. *Pol Merkuriusz Lek* 2010; 29: 100-2.

Tournel G, Houssaye C, Humbert L, Dhorne C, Gnemmi V, Becart-Robert A, Nisse P, Hedouin V, Gosset D, Lhermitte M.

Acute arsenic poisoning: clinical, toxicological, histopathological, and forensic features. *J Forensic Sci* 2010; online early: doi: 10.1111/j.1556-4029.2010.01581.x:

Uhrenholt L, Schumacher B, Freeman M.

[Medico-legal autopsy and testing for alcohol and drugs/medicine after traffic fatalities is not routinely conducted]. In Danish with English abstract. *Ugeskr Laeger* 2010; 172: 2683-7.

Watterson JH, Desrosiers NA.

Examination of the effect of dose-death interval on detection of meperidine exposure in decomposed skeletal tissues using microwave-assisted extraction. *Forensic Sci Int* 2010; online early: doi:10.1016/j.forsciint.2010.08.021:

Wilcher G.

Drug-related deaths with evidence of intracorporeal drug concealment at autopsy: five case reports. *Am J Forensic Med Pathol* 2010; online early: doi: 10.1097/PAF.0b013e3181efbc09:

Yoshitome K.

[The medicolegal aspect of hydrogen sulfide poisoning]. In Japanese. *Chudoku Kenkyu* 2010; 23: 217-21.

## Inhalation toxicity

Camus P, Rosenow EC, (eds)

Drug-induced and iatrogenic respiratory disease. London: Hodder Arnold, 2010. 350 p.

Cassidy LD, Molenaar DM, Hathaway JA, Feeley TM, Cummings BJ, Simpson P, Li SH.

Trends in pulmonary function and prevalence of asthma in hexamethylene diisocyanate workers during a 19-year period. *J Occup Environ Med* 2010; 52: 988-94.

Hendrick DJ.

Recognition and surveillance of occupational asthma: a preventable illness with missed opportunities. *Br Med Bull* 2010; 95: 175-92.

Kimura R, Kimoto I, Takeda M, Miyake M, Sakamoto T.

Alteration in airway microvascular leakage induced by sensorineural stimulation in rats exposed to inhaled formaldehyde. *Toxicol Lett* 2010; online early: doi: 10.1016/j.toxlet.2010.09.007: 1-27.

Slager RE, Simpson SL, LeVan TD, Poole JA, Sandler DP, Hoppin JA.

Rhinitis associated with pesticide use among private pesticide applicators in the agricultural health study. *J Toxicol Environ Health A* 2010; 73: 1382-93.

Su Y-J, Kung C-T, Lee C-H, Wang I-K, Lee C-T, Chuang F-R.

An industrial worker hospitalized with paralysis after an aerosolized chemical exposure. *Am J Kidney Dis* 2010; 56: A38-A41.

Sung JH, Ji JH, Song KS, Lee JH, Choi KH, Lee SH, Yu IJ.

Acute inhalation toxicity of silver nanoparticles. *Toxicol Ind Health* 2010; online early: PM:20870693:

## Kinetics

Anon.

Long-acting injectable olanzapine. inadequate assessment and a risk of overdose. *Prescribe Int* 2010; 19: 114.

Adeyemi A, Garelick H, Priest ND.

A biokinetic model to describe the distribution and excretion of arsenic by man following acute and chronic intakes of arsenite/arsenate compounds by ingestion. *Hum Exp Toxicol* 2010; 29: 891-902.

## Kinetics

Avella J, Kunaparaju N, Kumar S, Lehrer M, Zito SW, Barletta M. Uptake and distribution of the abused inhalant 1,1-difluoroethane in the rat.

J Anal Toxicol 2010; 34: 381-8.

Benson BE, Farooqi MF, Klein-Schwartz W, Litovitz T, Webb AN, Borys DJ, Lung D, Rutherford Rose S, Aleguas A, Sollee DR, Seifert SA.

Diphenhydramine dose-response: a novel approach to determine triage thresholds.

Clin Toxicol 2010; 48: 820-31.

Burk O, Brenner SS, Hofmann U, Tegude H, Igel S, Schwab M, Eichelbaum M, Alscher MD.

The impact of thyroid disease on the regulation, expression, and function of ABCB1 (MDR1/P glycoprotein) and consequences for the disposition of digoxin.

Clin Pharmacol Ther 2010; 88: 685-94.

Carney EW, Tornesi B, Liberacki AB, Markham DA, Weitz KK, Luders TM, Studniski KG, Blessing JC, Gies RA, Corley RA.

The impact of dose-rate on ethylene glycol developmental toxicity and pharmacokinetics in pregnant CD rats.

Toxicol Sci 2010; online early: doi:10.1093/toxsci/kfq310:

Fishbain DA, Lewis JE, Gao J.

Allegations of medical malpractice in chronic opioid analgesic therapy possibly related to collaborative/split treatment and the p-450 enzyme system: forensic case report.

Pain Med 2010; 11: 1419-25.

Green TJ, Sivilotti ML, Langmann C, Yarema M, Juurlink D, Burns MJ, Johnson DW.

When do the aminotransferases rise after acute acetaminophen overdose?

Clin Toxicol 2010; 48: 787-92.

He S-M, Yang A-K, Li X-T, Du Y-M, Zhou S-F.

Effects of herbal products on the metabolism and transport of anticancer agents.

Expert Opin Drug Metab Toxicol 2010; 6: 1195-213.

He X, McMahon S, Henderson TD, Griffey SM, Cheng LW.

Ricin toxicokinetics and its sensitive detection in mouse sera or feces using immuno-PCR.

PLoS ONE 2010; 5: 9.

Kenerson KL, Lear-Kaul KC.

Ingestion of drugs by "parachuting": a unique drug delivery technique.

Am J Forensic Med Pathol 2010; online early: doi:

10.1097/PAF.0b013e3181f69ccc:

Musshoff F, Stamer UM, Madea B.

Pharmacogenetics and forensic toxicology.

Forensic Sci Int 2010; online early: doi:

10.1016/j.forsciint.2010.07.011:

Palmer RB.

Fentanyl in postmortem forensic toxicology.

Clin Toxicol 2010; 48: 771-84.

Pizzol M, Thomsen M, Andersen MS.

Long-term human exposure to lead from different media and intake pathways.

Sci Total Environ 2010; 408: 5478-88.

Riviere JE, Brooks JD.

Predicting skin permeability from complex chemical mixtures: dependency of quantitative structure permeation relationships (QSPR) on biology of skin model used.

Toxicol Sci 2010; online early: doi: 10.1093/toxsci/kfq317:

Sams C, Jones K.

Human volunteer studies investigating the potential for toxicokinetic interactions between the pesticides deltamethrin, pirimicarb and chlorpyrifos-methyl following oral exposure at the acceptable daily intake.

Toxicol Lett 2010; online early: doi:

10.1016/j.toxlet.2010.10.012:

Shen HW, Jiang XL, Winter JC, Yu AM.

Psychedelic 5-methoxy-N,N-dimethyltryptamine: metabolism, pharmacokinetics, drug interactions, and pharmacological actions.

Curr Drug Metab 2010; online early: PM:20942780:

Shin BS, Hwang SW, Bulitta JB, Lee JB, Yang SD, Park JS, Kwon MC, Kim do J, Yoon HS, Yoo SD.

Assessment of bisphenol A exposure in Korean pregnant women by physiologically based pharmacokinetic modeling.

J Toxicol Environ Health A 2010; 73: 1586-98.

Vikström AC, Abramsson-Zetterberg L, Naruszewicz M, Athanassiadis I, Granath F, Törnqvist M.

In vivo doses of acrylamide and glycidamide in humans after intake of acrylamide-rich food.

Toxicol Sci 2010; online early: doi:10.1093/toxsci/kfq323:

Worek F, Aurbek N, Wille T, Eyer P, Thiermann H.

Kinetic prerequisites of oximes as effective reactivators of organophosphate-inhibited acetylcholinesterase: a theoretical approach.

J Enzyme Inhib Med Chem 2010; online early: doi:

10.3109/14756366.2010.504673:

Worek F, Aurbek N, Wille T, Eyer P, Thiermann H.

Kinetic analysis of interactions of paraoxon and oximes with human, Rhesus monkey, swine, rabbit, rat and guinea pig acetylcholinesterase.

Toxicol Lett 2010; online early: doi:

10.1016/j.toxlet.2010.10.009:

## Medical errors

Bas AY, Demirel N, Soysal A, Arslan K, Dilmen U.

An unusual mimicker of a sepsis outbreak: ergot intoxication.

Eur J Pediatr 2010; online early: doi: 10.1007/s00431-010-1336-y:

Max BA, Mason KP.

Extended infusion of dexmedetomidine to an infant at sixty times the intended rate.

Int J Pediatr 2010; online early: doi: 10.1155/2010/825079:

Poli D, Gagliano-Candela R, Strisciullo G, Colucci AP, Strada L, Laviola D, Goldoni M, Mutti A.

Nitrous oxide determination in postmortem biological samples: a case of serial fatal poisoning in a public hospital.

J Forensic Sci 2010; 55: 258-64.

## Medical ethics

London L, Coggon D, Moretto A, Westerholm P, Wilks MF, Colosio C.

The ethics of human volunteer studies involving experimental exposure to pesticides: unanswered dilemmas.

Environ Health 2010; 9: 50.

Muzaffar S.

'To treat or not to treat'. Kerrie Wooltorton, lessons to learn.

Emerg Med J 2010; online early: doi:

10.1136/emj.2010.100750:

## Munchausen syndromes

Noeker M, Musshoff F, Franke I, Madea B.

Munchausen-by-proxy-syndrom. [Munchausen syndrome by proxy]. In German.

Rechtsmedizin 2010; 20: 223-37.

## Munchausen syndromes

Vaglio JC, Schoenhard JA, Saavedra PJ, Williams SR, Raj SR. Arrhythmogenic Munchausen syndrome culminating in caffeine-induced ventricular tachycardia. *J Electrocardiol* 2010; online early: doi: 10.1016/j.jelectrocard.2010.08.006:

## Occupational toxicology

Abraham AG, Gange SJ, Rawleigh SB, Glass LR, Springer G, Samet JM.

Retrospective mortality study among employees occupationally exposed to toner. *J Occup Environ Med* 2010; 52: 1035-41.

Aldrich TE, Seidu D, Bahr D, Freitas S, Brion GM, Tollerud D. Time-period mortality patterns in a Gaseous Diffusion Plant workforce. *Int J Occup Med Environ Health* 2010; 23: 145-51.

Anees W, Moore VC, Croft JS, Robertson AS, Burge PS. Occupational asthma caused by heated triglycidyl isocyanurate. *Occup Med (Oxf)* 2010; online early: doi: 10.1093/occmed/kqq145:

Araoud M, Neffeti F, Douki W, Najjar MF, Kenani A. Paraoxonase 1 correlates with butyrylcholinesterase and gamma glutamyl transferase in workers chronically exposed to pesticides. *J Occup Health* 2010; online early: PM:20944437:

Bader M, Goen T. Biological monitoring and analytical toxicology in occupational and environmental medicine. *J Chromatogr B Analyt Technol Biomed Life Sci* 2010; 878: 2465-2466

Ban M, Langonné I, Goutet M, Huguet N, Pépin E. Simultaneous analysis of the local and systemic immune responses in mice to study the occupational asthma mechanisms induced by chromium and platinum. *Toxicology* 2010; 277: 29-37.

Baxter PJ, Aw T-C, Cockcroft A, Durrington P, Harrington JM, (eds) *Hunter's diseases of occupations*. 10 ed. London: Hodder Arnold, 2010. 1200 p.

Berr C, Vercambre MN, Bonenfant S, Singh Manoux A, Zins M, Goldberg M. Occupational exposure to solvents and cognitive performance in the GAZEL cohort: preliminary results. *Dement Geriatr Cogn Disord* 2010; 30: 12-9.

Boogaard PJ, Hays SM, Aylward LL. Human biomonitoring as a pragmatic tool to support health risk management of chemicals - examples under the EU REACH programme. *Regul Toxicol Pharmacol* 2010; online early: doi: 10.1016/j.yrtph.2010.09.015:

Bueso A, Rodríguez-Perez R, Rodríguez M, Dionicio J, Pérez-Pimiento A, Caballero ML. Occupational allergic rhinoconjunctivitis and bronchial asthma induced by *Plukenetia volubilis* seeds. *Occup Environ Med* 2010; 67: 797-8.

Burns CJ, Bodner KM, Jammer BL, Collins JJ, Swaen GH. Mortality surveillance of a US wide cohort of chemical industry workers. *J Occup Environ Med* 2010; 52: 982-7.

Caporossi L, Tranfo G, Paci E, De Rosa M, Capanna S, Tidei F, Papaleo B. LC determination of the skin exposure to oxamyl on greenhouse workers and comparison between DAD and MS-MS detection. *Chromatographia* 2010; 72: 281-7.

Cassidy LD, Molenaar DM, Hathaway JA, Feeley TM, Cummings BJ, Simpson P, Li SH. Trends in pulmonary function and prevalence of asthma in hexamethylene diisocyanate workers during a 19-year period. *J Occup Environ Med* 2010; 52: 988-94.

Chaillo I, Ecochard R, Denis MA, Iwaz J, Khoueiry P, Bergeret A. Fast and specific detection of moderate long-term changes in occupational blood exposures. *Occup Environ Med* 2010; 67: 785-91.

Chaumont A, De Winter F, Dumont X, Haufroid V, Bernard A. The threshold level of urinary cadmium associated with increased urinary excretion of retinol-binding protein and  $\beta$ 2-microglobulin: a re-assessment in a large cohort of nickel-cadmium battery workers. *Occup Environ Med* 2010; online early: doi: 10.1136/oem.2009.054122:

Dagli CE, Tanrikulu AC, Koksall N, Abakay A, Gelen ME, Demirpolat G, Yuksel M, Atilla N, Tolun FI. Interstitial lung disease in coppersmiths in high serum copper levels. *Biol Trace Elem Res* 2010; 137: 63-8.

Guzzi G, Pigatto PD, Ronchi A, Minoia C. Exposure to mercury among Norwegian dentists and dental healthcare personnel. *Scand J Work Environ Health* 2010; 36: 430-1.

Hendrick DJ. Recognition and surveillance of occupational asthma: a preventable illness with missed opportunities. *Br Med Bull* 2010; 95: 175-92.

Ibfelt E, Bonde JP, Hansen J. Exposure to metal welding fume particles and risk for cardiovascular disease in Denmark: a prospective cohort study. *Occup Environ Med* 2010; 67: 772-7.

Kossowska B, Dudka I, Bugla-Ploskonska G, Szymanska-Chabowska A, Doroszkiewicz W, Gancarz R, Andrzejak R, Antonowicz-Juchniewicz J. Proteomic analysis of serum of workers occupationally exposed to arsenic, cadmium, and lead for biomarker research: a preliminary study. *Sci Total Environ* 2010; 408: 5317-24.

Lan Q, Zhang L, Tang X, Shen M, Smith MT, Qiu C, Ge Y, Ji Z, Xiong J, He J, Reiss B, Hao Z, Liu S, Xie Y, Guo W, Purdue MP, Galvan N, Xin KX, Hu W, Beane Freeman LE, Blair AE, Li L, Rothman N, Vermeulen R, Huang H. Occupational exposure to trichloroethylene is associated with a decline in lymphocyte subsets and soluble CD27 and CD30 markers. *Carcinogenesis* 2010; 31: 1592-6.

Laohaudomchok W, Cavallari JM, Fang SC, Lin X, Herrick RF, Christiani DC, Weisskopf MG. Assessment of occupational exposure to manganese and other metals in welding fumes by portable X-ray fluorescence spectrometer. *J Occup Environ Hyg* 2010; 7: 456-65.

Marczynski B, Raulf-Heimsoth M, Pesch B, Kendzia B, Kafferlein H, Vosshans B, Borowitzki G, Lee E-H, Bramer R, Bruning T. Detection of DNA strand breaks by comet assay in sputum leucocytes of bitumen-exposed workers: a pilot study. *Hum Exp Toxicol* 2010; 29: 721-9.

## Occupational toxicology

McDiarmid MA, Oliver MS, Roth TS, Rogers B, Escalante C.  
Chromosome 5 and 7 abnormalities in oncology personnel  
handling anticancer drugs.  
*J Occup Environ Med* 2010; 52: 1028-34.

Moreira MAC, Cardoso ARO, Silva DGST, de Queiroz MCCA,  
Oliveira AA, Noleto TMA.  
Pneumoconiose por exposicao a metal duro com pneumotorax  
bilateral espontaneo. [Hard metal pneumoconiosis with sponta-  
neous bilateral pneumothorax]. In Spanish with English abstract.  
*J Bras Pneumol* 2010; 36: 148-51.

Morton J, Leese E.  
Arsenic speciation in clinical samples: urine analysis using fast  
micro-liquid chromatography ICP-MS.  
*Anal Bioanal Chem* 2010; online early: doi: 10.1007/s00216-  
010-4180-z:

Nicholson PJ, Llewellyn D, English JS.  
Evidence-based guidelines for the prevention, identification and  
management of occupational contact dermatitis and urticaria.  
*Contact Dermatitis* 2010; 63: 177-86.

Peplonska B, Stewart P, Szeszenia-Dabrowska N, Lissowska J,  
Brinton LA, Gromiec JP, Brzezicki S, Yang XR, Sherman M,  
García-Closas M, Blair A.  
Occupational exposure to organic solvents and breast cancer in  
women.  
*Occup Environ Med* 2010; 67: 722-9.

Pettersson-Stromback AE, Liljelind IE, Nordin S, Jarvholm B.  
Workers' mental models of chemical exposure in the workplace.  
*Risk Anal* 2010; 30: 488-500.

Prochazka M, Feychting M, Ahlbom A, Edwards CG, Nise G,  
Plato N, Schwartzbaum JA, Forssen UM.  
Occupational exposures and risk of acoustic neuroma.  
*Occup Environ Med* 2010; 67: 766-71.

Rekhadevi PV, Mahboob M, Rahman MF, Grover P.  
Determination of genetic damage and urinary metabolites in  
fuel filling station attendants.  
*Environ Mol Mutagen* 2010; online early: PM:20872828:

Rekhadevi PV, Rahman MF, Mahboob M, Grover P.  
Genotoxicity in filling station attendants exposed to petroleum  
hydrocarbons.  
*Ann Occup Hyg* 2010; online early: doi:  
10.1093/annhyg/meq065:

Safak AA, Arbak P, Yazici B, Bilgin C, Erdogmus B, Annakkaya  
AN, Ozsahin SL.  
Bronchial wall thickness in toll collectors.  
*Ind Health* 2010; 48: 317-23.

Sastre J, García del Potro M, Aguado E, Fernández-Nieto M.  
Occupational asthma due to 5-aminosalicylic acid.  
*Occup Environ Med* 2010; 67: 798-9.

Slager RE, Simpson SL, LeVan TD, Poole JA, Sandler DP,  
Hoppin JA.  
Rhinitis associated with pesticide use among private pesticide  
applicators in the agricultural health study.  
*J Toxicol Environ Health A* 2010; 73: 1382-93.

Stein Y, Finkelstein Y, Levy-Nativ O, Bonne O, Aschner M,  
Richter ED.  
Exposure and susceptibility: schizophrenia in a young man  
following prolonged high exposures to organic solvents.  
*Neurotoxicology* 2010; 31: 603-7.

Su Y-J, Kung C-T, Lee C-H, Wang I-K, Lee C-T, Chuang F-R.  
An industrial worker hospitalized with paralysis after an aerosolized  
chemical exposure.  
*Am J Kidney Dis* 2010; 56: A38-A41.

Usuda K, Kono K, Ohnishi K, Nakayama S, Sugiura Y, Kitamura  
Y, Kurita A, Tsuda Y, Kimura M, Yoshida Y.  
Toxicological aspects of cadmium and occupational health  
activities to prevent workplace exposure in Japan: a narrative  
review.  
*Toxicol Ind Health* 2010; online early: doi:  
10.1177/0748233710386404:

Vinayagamoorthy N, Krishnamurthi K, Devi SS, Naoghare PK,  
Biswas R, Biswas AR, Pramanik S, Shende AR, Chakrabarti T.  
Genetic polymorphism of CYP2D6 \*2 C-->T 2850, GSTM1, NQO1  
genes and their correlation with biomarkers in manganese miners  
of Central India.  
*Chemosphere* 2010; 81: 1286-91.

Wongvijitsuk S, Navasumrit P, Vattanasit U, Parnlob V,  
Ruchirawat M.  
Low level occupational exposure to styrene: its effects on DNA  
damage and DNA repair.  
*Int J Hyg Environ Health* 2010; online early: doi:  
10.1016/j.ijheh.2010.09.007:

Zheng W, Fu SX, Dydak U, Cowan DM.  
Biomarkers of manganese intoxication.  
*Neurotoxicology* 2010; online early: doi:  
10.1016/j.neuro.2010.10.002:

Zyoud SH, Sawalha AF, Sweileh WM, Awang R, Al-Khalil SI, Al-  
Jabi SW, Bsharat NM.  
Knowledge and practices of pesticide use among farm workers  
in the West Bank, Palestine: safety implications.  
*Environ Health Prev Med* 2010; 15: 252-61.

## Ocular toxicity

Ball IM, Seabrook J, Desai N, Allen L, Anderson S.  
Dilute proparacaine for the management of acute corneal  
injuries in the emergency department.  
*CJEM* 2010; 12: 389-96.

Bergholz R, Schroeter J, Ruther K.  
Evaluation of risk factors for retinal damage due to chloroquine  
and hydroxychloroquine.  
*Br J Ophthalmol* 2010; online early: doi:  
10.1136/bjo.2009.174458:

Gordon MK, Desantis A, Deshmukh M, Lacey CJ, Hahn RA,  
Beloni J, Anumolu SS, Schlager JJ, Gallo MA, Gerecke DR,  
Heindel ND, Svoboda KK, Babin MC, Sinko PJ.  
Doxycycline hydrogels as a potential therapy for ocular vesicant  
injury.  
*J Ocul Pharmacol Ther* 2010; 26: 407-19.

Lacava AC.  
[Ocular complications of chloroquine and derivatives therapy].  
In Portuguese with English abstract.  
*Arq Bras Oftalmol* 2010; 73: 384-9.

Morris S, Barlow R, Selva D, Malhotra R.  
Allergic contact dermatitis: a case series and review for the  
ophthalmologist.  
*Br J Ophthalmol* 2010; online early: doi:  
10.1136/bjo.2009.174607:

Naderi M, Jadidi K, Falahati F, Alavi SA.  
The effect of sulfur mustard and nitrogen mustard on corneal  
collagen degradation induced by the enzyme collagenase.  
*Cutan Ocul Toxicol* 2010; 29: 234-40.

## Ocular toxicity

Shazly TA.

Ocular acid burn due to 20% concentrated salicylic acid.  
Cutan Ocul Toxicol 2010; online early: doi:  
10.3109/15569527.2010.521536:

Vaede D, Baudouin C, Warnet JM, Brignole-Baudouin F.  
Les conservateurs des collyres: vers une prise de conscience de leur toxicité. [Preservatives in eye drops: toward awareness of their toxicity]. In French with English abstract.  
J Fr Ophtalmol 2010; 33: 505-24.

Vignal-Clermont C, Audo I, Sahel JA, Paques M.  
Poppers-associated retinal toxicity.  
N Engl J Med 2010; 363: 1583-5.

## Packaging

Laing WJ, Lupton DJ, Veiraiah A, Bateman DN.  
Legislation and acetaminophen overdose in a UK hospital 2000-2008. Abstract of the 2010 North American Congress of Clinical Toxicology Annual Meeting, October 7-12, 2010. Denver, CO, USA.  
Clin Toxicol 2010; 48: 605.

## Paediatric toxicology

Absalon D, Slesak B.  
The effects of changes in cadmium and lead air pollution on cancer incidence in children.  
Sci Total Environ 2010; 408: 4420-8.

Ahmed B, Fatmi Z, Siddiqui AR, Sheikh AL.  
Predictors of unintentional poisoning among children under 5 years of age in Karachi: a matched case-control study.  
Injury Prev 2010; online early: doi: 10.1136/ip.2010.027524:

Aliyu MH, Alio AP, Salihu HM.  
To breastfeed or not to breastfeed: a review of the impact of lactational exposure to polychlorinated biphenyls (PCBs) on infants.  
J Environ Health 2010; 73: 8-14.

Allegaert K, Vanhaesebrouck S, Kulo A, Cosaert K, Verbesselt R, Debeer A, De Hoon J.  
Prospective assessment of short-term propylene glycol tolerance in neonates.  
Arch Dis Child 2010; online early: doi:  
10.1136/adc.2010.190330:

Alpaz A, Ermis B, Ugurbas SC, Battal F, Sagdik HM.  
The local vasoconstriction of infant's skin following instillation of mydriatic eye drops.  
Eur J Clin Pharmacol 2010; 66: 1161-4.

Bader Un Nisa, Ashfaq M, Channa Y.  
Kerosene oil ingestion among children presenting to the emergency department of a tertiary care paediatric hospital.  
Pak Paediatr J 2010; 34: 65-9.

Bas AY, Demirel N, Soysal A, Arslan K, Dilmen U.  
An unusual mimicker of a sepsis outbreak: ergot intoxication.  
Eur J Pediatr 2010; online early: doi: 10.1007/s00431-010-1336-y:

Bunchman TE, Ferris ME.  
Management of toxic ingestions with the use of renal replacement therapy.  
Pediatr Nephrol 2010; online early: doi: 10.1007/s00467-010-1654-3:

Chandran L, Cataldo R.  
Lead poisoning: basics and new developments.  
Pediatr Rev 2010; 31: 399-406.

Cra AC, Degryse J, Van Den Akker M, Dinant G-J, Manolovici C, Buntinx F.  
Impact of early childhood air pollution on respiratory status of school children.  
Eur J Gen Pract 2010; 16: 133-8.

Crighton EJ, Barwin L, Small I, Upshur R.  
What have we learned? A review of the literature on children's health and the environment in the Aral Sea area.  
Int J Public Health 2010; online early: PM:20976516:

Dogan M, Yilmaz C, Temel H, Çaksen H, Taskin G.  
A case of carbamazepine intoxication in a young boy.  
J Emerg Med 2010; 39: 655-6.

Erdogan A, Karaman MG, Ozdemir E, Yurteri N, Tufan AE, Kurcer MA.  
Six months of treatment with risperidone may be associated with nonsignificant abnormalities of liver function tests in children and adolescents: a longitudinal, observational study from Turkey.  
J Child Adolesc Psychopharmacol 2010; 20: 407-13.

Erkekoglu P, Baydar T.  
Toxicity of acrylamide and evaluation of its exposure in baby foods.  
Nutr Res Rev 2010; online early: doi:  
10.1017/S0954422410000211: 1-11.

Forrester MB.  
Pediatric carvedilol ingestions reported to Texas poison centers, 2000 to 2008.  
Pediatr Emerg Care 2010; online early: doi:  
10.1097/PEC.0b013e3181f39635:

Ji G-Z, Deng F-M, Wu X-Y, Li Q-X, Song J-H, Li W-H, Yin F.  
[An epidemiologic survey on blood lead levels in preschool children living in towns of Hunan province]. In Chinese with English abstract.  
Chin J Contemp Pediatr 2010; 12: 645-9.

Kerkhof M, Postma DS, Brunekreef B, Reijmerink NE, Wijga AH, De Jongste JC, Gehring U, Koppelman GH.  
Toll-like receptor 2 and 4 genes influence susceptibility to adverse effects of traffic-related air pollution on childhood asthma.  
Thorax 2010; 65: 690-7.

Korfmacher KS.  
Boundary networks and Rochester's "smart" lead law: the use of multidisciplinary information in a collaborative policy process.  
New Solutions 2010; 20: 317-36.

Krishnakumar P, Geeta MG, Riyaz A.  
Deliberate self harm in children.  
Indian Pediatr 2010; online early: PM:20972301:

Laidlaw MA, Taylor MP.  
Potential for childhood lead poisoning in the inner cities of Australia due to exposure to lead in soil dust.  
Environ Pollut 2010; online early: doi:  
10.1016/j.envpol.2010.08.020:

Lankarani NB, Kreis I, Griffiths DA.  
Air pollution effects on peak expiratory flow rate in children.  
Iran J Allergy Asthma Immunol 2010; 9: 117-26.

Lemaire M, Connolly B, Harvey E, Licht C.  
Treatment of paediatric vancomycin intoxication: a case report and review of the literature.  
NDT Plus 2010; 3: 260-4.

Liu AJ, Nanan R.  
Maternal methadone dose at delivery and neonatal abstinence syndrome.  
J Pediatr 2010; online early: doi: 10.1016/j.jpeds.2010.08.047:

## Paediatric toxicology

Makis A, Kattamis A, Grammeniatis V, Sihlimiri P, Kotsonis H, Iliadis A, Siamopoulou A, Chaliasos N.

Pulmonary embolism after snake bite in a child with diamond-blackfan anemia.

J Pediatr Hematol Oncol 2010; online early: doi: 10.1097/MPH.0b013e3181e88677:

Martinez Ruiz A, Sarabia Meseguer A, Martinez Hernandez P, Tovar Zapata I.

Intoxicacion por ingesta de levotiroxina (Eutirox). [Intoxication due to ingestion of levothyroxine (Eutirox)]. In Spanish with English abstract.

Rev Lab Clin 2010; 3: 136-8.

Max BA, Mason KP.

Extended infusion of dexmedetomidine to an infant at sixty times the intended rate.

Int J Pediatr 2010; online early: doi: 10.1155/2010/825079:

Mazur J, Malinowska-Cieslik M.

[Perspectives on future decline in child and adolescent mortality in Poland]. In Polish with English abstract.

Med Wieku Rozwoj 2010; 14: 150-9.

Milligan K, Niccols A, Sword W, Thabane L, Henderson J, Smith A, Liu J.

Maternal substance use and integrated treatment programs for women with substance abuse issues and their children: a meta-analysis.

Subst Abuse Treat Prev Policy 2010; 5: 21.

Naicker N, Norris SA, Mathee A, Becker P, Richter L.

Lead exposure is associated with a delay in the onset of puberty in South African adolescent females: findings from the birth to twenty cohort.

Sci Total Environ 2010; 408: 4949-54.

Pedapati EV, Bateman ST.

Toddlers requiring pediatric intensive care unit admission following at-home exposure to buprenorphine/naloxone.

Pediatr Crit Care Med 2010; online early: doi: 10.1097/PCC.0b013e3181f3a118:

Ramos CL, Barros HM, Stein AT, da Costa JS.

Risk factors contributing to childhood poisoning.

J Pediatr 2010; 86: 435-40.

Roida S, Ait Sab I, Sbihi M.

Ingestion de produit caustique chez l'enfant. [Caustic product ingestion in children]. In French with English abstract.

J Pediatr Pueric 2010; 23: 179-84.

Sakuma AM, de Capitani EM, Figueiredo BR, De Maio FD, Paoliello MMB, Da Cunha FG, Duran MC.

Avaliacao da exposicao de crianca ao arsenio em area de mineracao de chumbo na Regiao Sudeste do Brasil. [Arsenic exposure assessment of children living in a lead mining area in Southeastern Brazil]. In Portuguese with English abstract.

Cad Saude Publica 2010; 26: 391-8.

Sevketoglu E, Tatli B, Tugcu B, Demirelli Y, Hatipoglu S.

An unusual cause of fulminant Guillain-Barré syndrome: angel's trumpet.

Pediatr Neurol 2010; 43: 368-70.

Sobin C, Parisi N, Schaub T, de la Riva E.

A Bland-Altman comparison of the LeadCare® system and inductively coupled plasma mass spectrometry for detecting low-level lead in child whole blood samples.

J Med Toxicol 2010; online early: doi: 10.1007/s13181-010-0113-7:

Stolle M, Sack PM, Spieles H, Thomasius R.

[Acute ethanol intoxication among children and adolescents in Hamburg, Germany]. In German with English abstract.

Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz 2010; 53: 910-6.

Strickland MJ, Darrow LA, Klein M, Flanders WD, Sarnat JA, Waller LA, Sarnat SE, Mulholland JA, Tolbert PE.

Short-term associations between ambient air pollutants and pediatric asthma emergency department visits.

Am J Respir Crit Care Med 2010; 182: 307-16.

Tezer H, Erkocoglu M, Kara A, Bayrakci B, Duzova A, Teksam O, Aysun S.

Household poisoning cases from mercury brought from school.

Eur J Pediatr 2010; online early: doi: 10.1007/s00431-010-1317-1:

Thajam D, Atkinson DE, Sibley CP, Lavender T.

Is neonatal abstinence syndrome related to the amount of opiate used?

J Obstet Gynecol Neonatal Nurs 2010; 39: 503-9.

Tosun AF, Cecen RE, Aral YZ, Erisen S.

Pediatric case report of topiramate toxicity.

Turk Klinikleri Pediatr 2010; 19: 227-30.

Vivier PM, Hauptman M, Weitzen SH, Bell S, Quilliam DN, Logan JR.

The important health impact of where a child lives: neighborhood characteristics and the burden of lead poisoning.

Matern Child Health J 2010; online early: doi 10.1007/s10995-010-0692-6:

Warnet S.

C'en est assez d'avoir du plomb dans la tête! [It's bad to have lead in the head!]. In French.

Rev Infirm 2010; 162: 42.

## Parasuicide

Krishnakumar P, Geeta MG, Riyaz A.

Deliberate self harm in children.

Indian Pediatr 2010; online early: PM:20972301:

Mizutani T.

[Should "harmful" information on network be restricted to prevent self-poisoning?]. In Japanese.

Chudoku Kenkyu 2010; 23: 197-8.

Moller LF, Matic S, van den Bergh BJ, Moloney K, Hayton P, Gatherer A.

Acute drug-related mortality of people recently released from prisons.

Public Health 2010; online early: doi:

10.1016/j.puhe.2010.08.012:

Morgan DR, Musa M.

Self inflicted death following inhalation and ingestion of builders polyurethane expandable foam.

J Forensic Legal Med 2010; online early: doi:

10.1016/j.jflm.2010.09.004:

Muzaffar S.

'To treat or not to treat'. Kerrie Woollorton, lessons to learn.

Emerg Med J 2010; online early: doi:

10.1136/emj.2010.100750:

Patrick AR, Miller M, Barber CW, Wang PS, Canning CF, Schneeweiss S.

Identification of hospitalizations for intentional self-harm when E-codes are incompletely recorded.

Pharmacoepidemiol Drug Saf 2010; online early: doi: 10.1002/pds.2037:

## Parasuicide

Windfuhr K, Turnbull P, While D, Swinson N, Mehta H, Hadfield K, Hiroeh U, Watkinson H, Dixon C, Flynn S, Thomas S, Lewis G, Ferrier I, Amos T, Skapinakis P, Shaw J, Kapur N, Appleby L. The incidence and associated risk factors for sudden unexplained death in psychiatric in-patients in England and Wales. *J Psychopharmacol* 2010; online early: doi: 10.1177/0269881110379288:

Zebley BD, Ferrando SJ. Suicide-related events in patients treated with antiepileptic drugs. *N Engl J Med* 2010; 363: 1873-4.

## Poisons information and poison information centres

Anadón A, Valerio LG, Jr. Highlights of the XII International Congress on Toxicology, 19-23 July 2010, Barcelona, Spain. *Expert Opin Drug Metab Toxicol* 2010; online early: doi: 10.1517/17425255.2010.521152: 1-6.

Davis AP, King BL, Mockus S, Murphy CG, Saraceni-Richards C, Rosenstein M, Wiegers T, Mattingly CJ. The Comparative Toxicogenomics Database: update 2011. *Nucleic Acids Res* 2010; online early: doi: 10.1093/nar/gkq813:

Jang DH. The impact of a medical toxicology fellowship on the training of future emergency medicine residents. *J Med Toxicol* 2010; online early: doi: 10.1007/s13181-010-0117-3:

Lehman-Huskamp K, Rebmann T, Walter FG, Weber J, Scalzo A. Disaster preparedness education and a Midwest Regional Poison Center. *Am J Disaster Med* 2010; 5: 229-36.

Mizutani T. [Should "harmful" information on network be restricted to prevent self-poisoning?]. In Japanese. *Chudoku Kenkyu* 2010; 23: 197-8.

Morgan BW, Skinner CG, Kleiman RJ, Geller RJ, Chang AS. Review of multi-person exposure calls to a regional poison control center. *West J Med* 2010; 11: 291-3.

Patrick AR, Miller M, Barber CW, Wang PS, Canning CF, Schneeweiss S. Identification of hospitalizations for intentional self-harm when E-codes are incompletely recorded. *Pharmacoepidemiol Drug Saf* 2010; online early: doi: 10.1002/pds.2037:

Sauer UG, Kneuer C, Tentschert J, Wachter T, Schroeder M, Butzke D, Luch A, Liebsch M, Grune B, Gotz ME. A knowledge-based search engine to navigate the information thicket of nanotoxicology. *Regul Toxicol Pharmacol* 2010; online early: doi: 10.1016/j.yrtph.2010.09.005:

## Reprotoxicity

Bloom MS, Louis GMB, Sundaram R, Kostyniak PJ, Jain J. Associations between blood metals and fecundity among women residing in New York State. *Reprod Toxicol* 2010; online early: doi:10.1016/j.reprotox.2010.09.013: 1.

Cantonwine D, Meeker JD, Hu H, Sanchez BN, Lamadrid-Figueroa H, Mercado-Garcia A, Fortenberry GZ, Calafat AM, Tellez-Rojo MM. Bisphenol A exposure in Mexico City and risk of prematurity: a pilot nested case control study. *Environ Health Prev Med* 2010; 9: 62.

Enma M, Kobayashi N, Naya M, Hanai S, Nakanishi J. Reproductive and developmental toxicity studies of manufactured nanomaterials. *Reprod Toxicol* 2010; 30: 343-52.

Ji G, Gu A, Zhou Y, Shi X, Xia Y, Long Y, Song L, Wang S, Wang X. Interactions between exposure to environmental polycyclic aromatic hydrocarbons and DNA repair gene polymorphisms on bulky DNA adducts in human sperm. *PLoS ONE* 2010; 5:

Ji G, Xia Y, Gu A, Shi X, Long Y, Song L, Wang S, Wang X. Effects of non-occupational environmental exposure to pyrethroids on semen quality and sperm DNA integrity in Chinese men. *Reprod Toxicol* 2010; online early: doi: 10.1016/j.reprotox.2010.10.005:

Kumar S, Mishra VV. Review: Toxicants in reproductive fluid and in vitro fertilization (IVF) outcome. *Toxicol Ind Health* 2010; 26: 505-11.

Mendiola J, Jorgensen N, Andersson A, Calafat AM, Ye X, Redmon JB, Drobnis EZ, Wang C, Sparks A, Thurston SW, Liu F, Swan SH. Are environmental levels of bisphenol A associated with reproductive function in fertile men? *Environ Health Perspect* 2010; 118: 1286-91.

Mota PC, Cordeiro M, Pereira SP, Oliveira PJ, Moreno AJ, Ramalho-Santos J. Differential effects of p,p'-DDE on testis and liver mitochondria. implications for reproductive toxicology. *Reprod Toxicol* 2010; online early: doi: 10.1016/j.reprotox.2010.09.010:

Perin PM, Maluf M, Czeresnia CE, Januario DANF, Saldiva PHN. Impact of short-term preconceptional exposure to particulate air pollution on treatment outcome in couples undergoing in vitro fertilization and embryo transfer (IVF/ET). *J Assist Reprod Genet* 2010; 27: 371-82.

Salian S, Doshi T, Vanage G. Perinatal exposure of rats to bisphenol A affects fertility of male offspring - an overview. *Reprod Toxicol* 2010; online early: doi: 10.1016/j.reprotox.2010.10.008:

Sharpe RM. Environmental/lifestyle effects on spermatogenesis. *Philos Trans R Soc Lond [Biol]* 2010; 365: 1697-712.

Sutton P, Giudice LC, Woodruff TJ. Reproductive environmental health. *Curr Opin Obstet Gynecol* 2010; online early: doi: 10.1097/GCO.0b013e3283404e59:

Waller SA, Paul K, Peterson SE, Hitti JE. Agricultural-related chemical exposures, season of conception, and risk of gastroschisis in Washington state. *Obstet Gynecol Surv* 2010; 65: 412-4.

## Risk assessment

Allegaert K, Vanhaesebrouck S, Kulo A, Cosaert K, Verbesselt R, Debeer A, De Hoon J. Prospective assessment of short-term propylene glycol tolerance in neonates. *Arch Dis Child* 2010; online early: doi: 10.1136/adc.2010.190330:

## Risk assessment

Andersen ME, Clewell HJ, III, Bermudez E, Dodd DE, Willson GA, Campbell JL, Thomas RS.

Formaldehyde: integrating dosimetry, cytotoxicity and genomics to understand dose-dependent transitions for an endogenous compound.

Toxicol Sci 2010; online early: doi: 10.1093/toxsci/kfq303:

Aschberger K, Johnston HJ, Stone V, Aitken RJ, Hankin SM, Peters SA, Tran CL, Christensen FM.

Review of carbon nanotubes toxicity and exposure - appraisal of human health risk assessment based on open literature.

Crit Rev Toxicol 2010; 40: 759-90.

Baldrick P.

Safety evaluation of biological drugs: what are toxicology studies in primates telling us?

Regul Toxicol Pharmacol 2010; online early:

doi:10.1016/j.yrtph.2010.10.005:

Boogaard PJ, Hays SM, Aylward LL.

Human biomonitoring as a pragmatic tool to support health risk management of chemicals - examples under the EU REACH programme.

Regul Toxicol Pharmacol 2010; online early: do

10.1016/j.yrtph.2010.09.015:

Chang EE, Wei-Chi W, Li-Xuan Z, Hung-Lung C.

Health risk assessment of exposure to selected volatile organic compounds emitted from an integrated iron and steel plant.

Inhal Toxicol 2010; online early: doi:

10.3109/08958378.2010.507636: 1-9.

Fischer PH, Marra M, Ameling CB, Janssen N, Cassee FR.

Trends in relative risk estimates for the association between air pollution and mortality in The Netherlands, 1992-2006.

Environ Res 2010; online early: doi:

10.1016/j.envres.2010.09.010 [

IPCS.

Environmental health criteria 240. Principles and methods for the risk assessment of chemicals in food.

Geneva: World Health Organization; Food and Agriculture Organization, 2009.

Kienhuis AS, Bessems JG, Pennings JL, Driessen M, Luijten M, van Delft JH, Peijnenburg AA, der Ven LT.

Application of toxicogenomics in hepatic systems toxicology for risk assessment: acetaminophen as a case study.

Toxicol Appl Pharmacol 2010; online early: doi

10.1016/j.taap.2010.10.013:

Knott J, Gilbert J, Hoccom DG, Green RE.

Implications for wildlife and humans of dietary exposure to lead from fragments of lead rifle bullets in deer shot in the UK.

Sci Total Environ 2010; online early: doi:

10.1016/j.scitotenv.2010.08.053:

Makris L, Euling SY, Gray LE, Jr., Benson R, Foster P.

Use of genomic data in risk assessment. Case study: I. Evaluation of the dibutyl phthalate male reproductive development toxicity dataset.

Toxicol Appl Pharmacol 2010; online early: doi:

10.1016/j.taap.2010.09.006:

Nutt DJ, King LA, Phillips LD.

Drug harms in the UK: a multicriteria decision analysis.

Lancet 2010; 376: 1558-65.

O'Shea SH, Schwarz J, Kosyk O, Ross PK, Ha MJ, Wright FA, Rusyn I.

In vitro screening for population variability in chemical toxicity.

Toxicol Sci 2010; online early: doi: 10.1093/toxsci/kfq322:

Pettersson-Stromback AE, Liljelind IE, Nordin S, Jarvholm B.

Workers' mental models of chemical exposure in the workplace.

Risk Anal 2010; 30: 488-500.

Ramos CL, Barros HM, Stein AT, da Costa JS.

Risk factors contributing to childhood poisoning.

J Pediatr 2010; 86: 435-40.

Sauer UG, Kneuer C, Tentschert J, Wachter T, Schroeder M, Butzke D, Luch A, Liebsch M, Grune B, Gotz ME.

A knowledge-based search engine to navigate the information thicket of nanotoxicology.

Regul Toxicol Pharmacol 2010; online early: doi:

10.1016/j.yrtph.2010.09.005:

Schmolke A, Thorbek P, Chapman P, Grimm V.

Ecological models and pesticide risk assessment: current modeling practice.

Environ Toxicol Chem 2010; 29: 1006-12.

Stohs SJ, Lau FC, Kim D, Kim SU, Bagchi M, Bagchi D.

Safety assessment of a calcium-potassium salt of (-)-hydroxycitric acid.

Toxicol Mech Methods 2010; online early: 20: 515-25.

Suter L, Schroeder S, Meyer K, Gautier JC, Amberg A, Wendt M, Gmuender H, Mally A, Boitier E, Ellinger-Ziegelbauer H, Matheis K, Pfannkuch F.

EU framework 6 project: predictive toxicology (PredTox) - overview and outcome.

Toxicol Appl Pharmacol 2010; online early: doi:

10.1016/j.taap.2010.10.008:

van Amsterdam J, Van den Brink W.

Ranking of drugs: a more balanced risk-assessment.

Lancet 2010; 376: 1524-5.

van Ravenzwaay B, Dammann M, Buesen R, Schneider S.

The threshold of toxicological concern for prenatal developmental toxicity.

Regul Toxicol Pharmacol 2010; online early: doi:

10.1016/j.yrtph.2010.09.009:

Vogel J, Heard KJ, Carlson C, Lange C, Mitchell G.

Dental pain as a risk factor for accidental acetaminophen overdose: a case-control study.

Am J Emerg Med 2010; online early: doi:

10.1016/j.ajem.2010.08.006:

Zyoud SH, Sawalha AF, Sweileh WM, Awang R, Al-Khalil SI, Al-Jabi SW, Bsharat NM.

Knowledge and practices of pesticide use among farm workers in the West Bank, Palestine: safety implications.

Environ Health Prev Med 2010; 15: 252-61.

## Toxic oil syndrome

Messeguer A.

Potential implication of aniline derivatives in the Toxic Oil Syndrome (TOS).

Chem Biol Interact 2010; online early: doi:

10.1016/j.cbi.2010.10.006:

## MANAGEMENT

### General

Abbott PJ.

Case management: ongoing evaluation of patients' needs in an opioid treatment program.

Prof Case Manag 2010; 15: 145-52.

## Management, general

Barnett NP, Apodaca TR, Magill M, Colby SM, Gwaltney C, Rohsenow DJ, Monti PM.

Moderators and mediators of two brief interventions for alcohol in the emergency department.

Addiction 2010; 105: 452-65.

Braue EH, Jr, Smith KH, Doxzon BF, Lumpkin HL, Clarkson ED. Efficacy studies of reactive skin decontamination lotion, M291 skin decontamination kit, 0.5% bleach, 1% soapy water, and skin exposure reduction paste against chemical warfare agents. Part 1: guinea pigs challenged with VX.

Cutan Ocul Toxicol 2010; online early: doi: 10.3109/15569527.2010.515280:

Braue EH, Jr, Smith KH, Doxzon BF, Lumpkin HL, Clarkson ED. Efficacy studies of reactive skin decontamination lotion, M291 skin decontamination kit, 0.5% bleach, 1% soapy water, and skin exposure reduction paste against chemical warfare agents. Part 2: guinea pigs challenged with soman.

Cutan Ocul Toxicol 2010; online early: doi: 10.3109/15569527.2010.515281:

Fareed A, Vayalapalli S, Casarella J, Amar R, Drexler K. Heroin antitraging medications: a systematic review.

Am J Drug Alcohol Abuse 2010; 36: 332-41.

Glatstein M, Garcia-Bournissen F, Scolnik D, Rosenbloom E, Koren G.

Sudden-onset tachypnea and confusion in a previously healthy teenager.

Ther Drug Monit 2010; online early: doi: 10.1097/FTD.0b013e3181fa5936:

Grave TW, Boag AK.

Feline toxicological emergencies - when to suspect and what to do.

J Feline Med Surg 2010; 12: 849-60.

Ingrassia PL, Prato F, Geddo A, Colombo D, Tengattini M, Calligaro S, La Mura F, Franc JM, Della Corte F.

Evaluation of medical management during a mass casualty incident exercise: an objective assessment tool to enhance direct observation.

J Emerg Med 2010; 39: 629-36.

Lutz UC, Batra A.

Diagnostik und Therapie des Alkoholentzugssyndroms: Fokus auf Delirium tremens und Entzugskrampfanfall. [Diagnostics and therapy of alcohol withdrawal syndrome: focus on delirium tremens and withdrawal seizure]. In German with English abstract.

Psychiatr Prax 2010; 37: 271-8.

Maldonado JR.

An approach to the patient with substance use and abuse.

Med Clin North Am 2010; 94: 1169-205.

Milligan K, Niccols A, Sword W, Thabane L, Henderson J, Smith A, Liu J.

Maternal substance use and integrated treatment programs for women with substance abuse issues and their children: a meta-analysis.

Subst Abuse Treat Prev Policy 2010; 5: 21.

Monte AA, Bodmer M, Schaeffer TH.

Low-molecular-weight heparin overdose: management by observation.

Ann Pharmacother 2010; 44: 1836-9.

Morau D, Ahern S.

Management of local anesthetic toxicity.

Int Anesthesiol Clin 2010; 48: 117-40.

Morris S, Barlow R, Selva D, Malhotra R.

Allergic contact dermatitis: a case series and review for the ophthalmologist.

Br J Ophthalmol 2010; online early: doi: 10.1136/bjo.2009.174607:

Muzaffar S.

'To treat or not to treat'. Kerrie Wooltorton, lessons to learn.

Emerg Med J 2010; online early: doi: 10.1136/emj.2010.100750:

Ponticelli C, Graziani G.

Management of drug toxicity in patients with renal insufficiency.

Nat Rev Nephrol 2010; 6: 317-8.

Robinett DA, Shelton B, Dyer KS.

Special considerations in hazardous materials burns.

J Emerg Med 2010; 39: 544-53.

Sharma D, Srivastava M, Babu R, Anand R, Rohtagi A, Thomas S.

Laparoscopic treatment of gastric bezoar.

JLS 2010; 14: 263-7.

Soar J, Perkins GD, Abbas G, Alfonso A, Barelli A, Bierens JJ, Brugger H, Deakin CD, Dunning J, Georgiou M, Handley AJ, Lockey DJ, Paal P, Sandroni C, Thies KC, Zideman DA, Nolan JP. European resuscitation council guidelines for resuscitation 2010: section 8. cardiac arrest in special circumstances: electrolyte abnormalities, poisoning, drowning, accidental hypothermia, hyperthermia, asthma, anaphylaxis, cardiac surgery, trauma, pregnancy, electrocution.

Resuscitation 2010; online early: doi: 10.1016/j.resuscitation.2010.08.015:

Tenore PL.

Advanced urine toxicology testing.

J Addict Dis 2010; 29: 436-48.

Thomas S, Judge T, Lowell MJ, MacDonald RD, Madden J, Pickett K, Werman HA, Shear ML, Patel P, Starr G, Chesney M, Domeier R, Frantz P, Funk D, Greenberg RD.

Airway management success and hypoxemia rates in air and ground critical care transport: a prospective multicenter study.

Prehosp Emerg Care 2010; 14: 283.

Wang TC, Kyriacou DN, Wolf MS.

Effects of an intervention brochure on emergency department patients' safe alcohol use and knowledge.

J Emerg Med 2010; 39: 561-8.

## Acamprosate

Morley KC, Teesson M, Sannibale C, Baillie A, Haber PS.

Clinical predictors of outcome from an Australian pharmacological relapse prevention trial.

Alcohol Alcohol 2010; online early: doi:10.1093/alcalc/agq068:

## Acetyl-L-carnitine

Martinotti G, Reina D, Di Nicola M, Andreoli S, Tedeschi D, Ortolani I, Pozzi G, Iannoni E, D'Iddio S, Janiri L.

Acetyl-L-carnitine for alcohol craving and relapse prevention in anhedonic alcoholics: a randomized, double-blind, placebo-controlled pilot trial.

Alcohol Alcohol 2010; 45: 449-55.

## Activated charcoal

Wananukul W, Klaikeun S, Sriapha C, Tongpoo A.

Effect of activated charcoal in reducing paracetamol absorption at a supra-therapeutic dose.

J Med Assoc Thai 2010; 93: 1145-9.

## Aminopyridines

Mayorov AV, Willis B, Di Mola A, Adler D, Borgia J, Jackson O, Wang J, Luo Y, Tang L, Knapp RJ, Natarajan C, Goodnough M, Zilberberg N, Simpson L, Janda K.

Transient relief of botulinum neurotoxin/A intoxication with aminopyridines - a new twist on an old molecule.

ACS Chem Biol 2010; online early: doi: 10.1021/cb1002366:

## Antidotes

### General

Hirata K.

[Antidotes]. In Japanese.

Chudoku Kenkyu 2010; 23: 251-4.

Li ZF, You RS, Ma JX, Zhen GD, Cao EQ.

[A clinical exploration of detoxifying drugs for acute organophosphorus pesticide poisoning.]. In Chinese.

Zhongguo Zhong Xi Yi Jie He Za Zhi 2010; 22: 507-9.

### Acetylcysteine

Steinritz D, Bölck B, Schwarz J, Balszuweit F, Dühr S, Ibrahim M, Bloch W, Thiermann H, Kehe K.

Effect of N-acetyl cysteine and  $\alpha$ -linolenic acid on sulfur mustard caused impairment of in vitro endothelial tube formation.

Toxicol Sci 2010; 118: 521-9

Whyte AJ, Kehrl T, Brooks DE, Katz KD, Sokolowski D.

Safety and effectiveness of acetadote for acetaminophen toxicity.

J Emerg Med 2010; 39: 607-11.

### Antivenom

Chippaux JP.

[Guidelines for the production, control and regulation of snake antivenom immunoglobulins]. In French with English abstract.

Biol Aujourdhui 2010; 204: 87-91.

Chippaux JP.

[Emergency immunotherapy: snake and scorpion antivenoms]. In French with English abstract.

Biol Aujourdhui 2010; 204: 61-70.

Lavonas EJ, Kokko J, Schaeffer TH, Mlynarchek SL, Bogdan GM, Dart RC.

Short-term outcomes after Fab antivenom therapy for severe crotaline snakebite.

Ann Emerg Med 2010; online early: doi:

10.1016/j.annemergmed.2010.06.550:

Lin HL, Lin TY, Lee WC.

Snakebite: the experience of Russell's viper antivenom in Taiwan.

Am J Emerg Med 2010; online early: doi:

10.1016/j.ajem.2010.07.021:

### Butyrylcholinesterase

Weber A, Butterweck H, Mais-Paul U, Teschner W, Lei L, Muchitsch EM, Kolarich D, Altmann F, Ehrlich HJ, Schwarz HP.

Biochemical, molecular and preclinical characterization of a double-virus-reduced human butyrylcholinesterase preparation designed for clinical use.

Vox Sang 2010; online early: doi: 10.1111/j.1423-

0410.2010.01415.x:

Xue L, Ko MC, Tong M, Yang W, Hou S, Fang L, Liu J, Zheng F, Woods JH, Tai HH, Zhan CG.

Design, preparation and characterization of high-activity mutants of human butyrylcholinesterase specific for detoxification of cocaine.

Mol Pharmacol 2010; online early: doi:

10.1124/mol.110.068494:

### DMPS

Guzzi G, Pigatto P, Ronchi A, Minoia C.

The effect of co-administration of selenium and DMPS in inorganic mercury intoxication in mice.

Food Chem Toxicol 2010; online early: doi:

10.1016/j.fct.2010.10.024 [:

### EDTA

Ijaz A, Maqsood ul Hassan, Shahbaz N, Khan IM, Saeed F, Tariq KM.

EDTA contamination in laboratory specimens - effect of an awareness campaign.

J Coll Physicians Surg Pak 2010; 20: 405-7.

### Naloxone

Enteen L, Bauer J, McLean R, Wheeler E, Huriaux E, Kral AH, Bamberger JD.

Overdose prevention and naloxone prescription for opioid users in San Francisco.

J Urban Health 2010; online early: doi: 10.1007/s11524-010-

9495-8:

Hong HC, Ho MT, Huang CH, Yeh CC, Cherng CH.

Negative pressure pulmonary edema following naloxone administration in a patient with fentanyl-induced respiratory depression.

Acta Anaesthesiol Taiwan 2010; 48: 155-7.

### Obidoxime

Kufleitner JX, Worek F, Kreuter JX.

Incorporation of obidoxime into human serum albumin nanoparticles: optimisation of preparation parameters for the development of a stable formulation.

J Microencapsul 2010; 27: 594-601.

### Oximes

Becker C, Worek F, John H.

Chromatographic analysis of toxic phosphorylated oximes (POX): a brief overview.

Drug Test Anal 2010; online early: doi: 10.1002/dta.167:

Worek F, Aurbek N, Wille T, Eyer P, Thiermann H.

Kinetic prerequisites of oximes as effective reactivators of organophosphate-inhibited acetylcholinesterase: a theoretical approach.

J Enzyme Inhib Med Chem 2010; online early: doi:

10.3109/14756366.2010.504673:

Worek F, Wille T, Aurbek N, Eyer P, Thiermann H.

Reactivation of organophosphate-inhibited human, Cynomolgus monkey, swine and guinea pig acetylcholinesterase by MMB-4: a modified kinetic approach.

Toxicol Lett 2010; 249: 231-7.

Worek F, Aurbek N, Wille T, Eyer P, Thiermann H.

Kinetic analysis of interactions of paraoxon and oximes with human, Rhesus monkey, swine, rabbit, rat and guinea pig acetylcholinesterase.

Toxicol Lett 2010; online early: doi:

10.1016/j.toxlet.2010.10.009:

### Silymarin

Singhal NK, Srivastava G, Patel DK, Jain SK, Singh MP.

Melatonin or silymarin reduces maneb- and paraquat-induced Parkinson's disease phenotype in the mouse.

J Pineal Res 2010; online early: doi: 10.1111/j.1600-

079X.2010.00819.:

### Buprenorphine

Ling W, Casadonte P, Bigelow G, Kampman KM, Patkar A, Bailey GL, Rosenthal RN, Beebe KL.

Buprenorphine implants for treatment of opioid dependence: a randomized controlled trial.

JAMA 2010; 304: 1576-83.

## Buprenorphine

Maremmani I, Gerra G.

Buprenorphine-based regimens and methadone for the medical management of opioid dependence: selecting the appropriate drug for treatment.

Am J Addict 2010; 19: 557-68.

Pinto H, Maskrey V, Swift L, Rumball D, Wagle A, Holland R.

The SUMMIT trial: a field comparison of buprenorphine versus methadone maintenance treatment.

J Subst Abuse Treat 2010; 39: 340-52.

## Calcium gluconate

Burgher F, Mathieu L, Lati E, Gasser P, Peno-Mazzarino L, Blomet J, Hall AH, Maibach HI.

Part 2. Comparison of emergency washing solutions in 70% hydrofluoric acid-burned human skin in an established ex vivo explants model.

Cutan Ocul Toxicol 2010; online early: doi:

103109/15569527.2010.534748: 1-8.

## Dantrolene

Grunau BE, Wiens MO, Brubacher JR.

Dantrolene in the treatment of MDMA-related hyperpyrexia: a systematic review.

CJEM 2010; 12: 435-42.

## Disulfiram

Oliveto A, Poling J, Mancino MJ, Feldman Z, Cubells JF, Pruzinsky R, Gonsai K, Cargile C, Sofuoglu M, Chopra MP, Gonzalez-Haddad G, Carroll KM, Kosten TR.

Randomized, double blind, placebo-controlled trial of disulfiram for the treatment of cocaine dependence in methadone-stabilized patients.

Drug Alcohol Depend 2010; online early: doi:

10.1016/j.drugalcdep.2010.07.022:

## Doxycycline hydrogel

Gordon MK, Desantis A, Deshmukh M, Lacey CJ, Hahn RA, Beloni J, Anumolu SS, Schlager JJ, Gallo MA, Gerecke DR, Heindel ND, Svoboda KK, Babin MC, Sinko PJ.

Doxycycline hydrogels as a potential therapy for ocular vesicant injury.

J Ocul Pharmacol Ther 2010; 26: 407-19.

## DRDE-07

Gautam A, Gupta A, Lomash V, Pant SC, Vijayaraghavan R.

Prophylactic efficacy of combination of DRDE-07 and its analogues with amifostine against sulphur mustard induced systemic toxicity.

Indian J Exp Biol 2010; 48: 752-61.

Gautam A, Vijayaraghavan R.

DRDE-07: a possible antidote for sulphur mustard toxicity.

Cell Mol Biol 2010; 56 Suppl: OL1334-OL1340.

## Estradiol

Chandrasekaran VR, Periasamy S, Liu LL, Liu MY.

17 $\beta$ -Estradiol protects against acetaminophen-overdose-induced acute oxidative hepatic damage and increases the survival rate in mice.

Steroids 2010; online early: doi:

10.1016/j.steroids.2010.09.008:

## Gastrointestinal decontamination

Huang H, Lv LX, Zhu CQ.

[Value of gastrointestinal decontamination in treatment of acute poisoning]. In Chinese.

Zhonghua Lao Dong Wei Sheng Zhi Ye Bing Za Zhi 2010; 28: 399-401.

## Haemodialysis

Akinci E, Yuzbasioglu Y, Coskun F.

Hemodialysis as an alternative treatment of mexiletine intoxication.

Am J Emerg Med 2010; online early: doi:

10.1016/j.ajem.2010.08.027:

## Hexafluorine®

Burgher F, Mathieu L, Lati E, Gasser P, Peno-Mazzarino L, Blomet J, Hall AH, Maibach HI.

Part 2. Comparison of emergency washing solutions in 70% hydrofluoric acid-burned human skin in an established ex vivo explants model.

Cutan Ocul Toxicol 2010; online early: doi:

103109/15569527.2010.534748: 1-8.

## Insulin

Engebretsen KM, Morgan MW, Stelpflug SJ, Cole JB, Anderson CP.

Addition of phenylephrine to high-dose insulin in dihydropyridine overdose does not improve outcome.

Clin Toxicol 2010; 48: 806-12.

## Lipid emulsion therapy

Dean P, Ruddy JP, Marshall S.

Intravenous lipid emulsion in propranolol overdose.

Anaesthesia 2010; 65: 1148-50.

Jolliff HA, De Lucia AC, Thomas TN.

Lipid emulsion in the treatment of diphenhydramine toxicity. Abstract of the 2010 North American Congress of Clinical Toxicology Annual Meeting, October 7-12, 2010. Denver, CO, USA.

Clin Toxicol 2010; 48: 613.

Kapadia KJ, Al-Duaj N, Ganetsky M, Burke L, Horn E, Rosen C.

Case series of severe TCA toxicity treated with intravenous fat emulsion. Abstract of the 2010 North American Congress of Clinical Toxicology Annual Meeting, October 7-12, 2010. Denver, CO, USA.

Clin Toxicol 2010; 48: 612.

Kosh MC, Miller AD, Michels JE.

Intravenous lipid emulsion for treatment of local anesthetic toxicity.

Ther Clin Risk Manag 2010; 6: 449-51.

Rothschild L, Bern S, Oswald S, Weinberg G.

Intravenous lipid emulsion in clinical toxicology.

Scand J Trauma Resusc Emerg Med 2010; 18: 51.

Stelpflug SJ, Cole JB, Dolan JA, Setzer SC, Moser KL, Harris CR.

Life-threatening flecainide overdose treated with intravenous fat emulsion. Abstract of the 2010 North American Congress of Clinical Toxicology Annual Meeting, October 7-12, 2010. Denver, CO, USA.

Clin Toxicol 2010; 48: 612.

## Melatonin

Pohanka M, Sobotka J, Jilkova M, Stetina R.

Oxidative stress after sulfur mustard intoxication and its reduction by melatonin: efficacy of antioxidant therapy during serious intoxication.

Drug Chem Toxicol 2010; online early:

10.3109/01480545.2010.505238:

Singhal NK, Srivastava G, Patel DK, Jain SK, Singh MP.

Melatonin or silymarin reduces maneb- and paraquat-induced Parkinson's disease phenotype in the mouse.

J Pineal Res 2010; online early: doi: 10.1111/j.1600-

079X.2010.00819.:

## Methadone

Comiskey CM, Cox G.  
Analysis of the impact of treatment setting on outcomes from methadone treatment.  
*J Subst Abuse Treat* 2010; 39: 195-201.

Maremmani I, Gerra G.  
Buprenorphine-based regimens and methadone for the medical management of opioid dependence: selecting the appropriate drug for treatment.  
*Am J Addict* 2010; 19: 557-68.

Oliveto A, Poling J, Mancino MJ, Feldman Z, Cubells JF, Pruzinsky R, Gonsai K, Cargile C, Sofuoglu M, Chopra MP, Gonzalez-Haddad G, Carroll KM, Kosten TR.  
Randomized, double blind, placebo-controlled trial of disulfiram for the treatment of cocaine dependence in methadone-stabilized patients.  
*Drug Alcohol Depend* 2010; online early: doi: 10.1016/j.drugalcdep.2010.07.022:

Pinto H, Maskrey V, Swift L, Rumball D, Wagle A, Holland R.  
The SUMMIT trial: a field comparison of buprenorphine versus methadone maintenance treatment.  
*J Subst Abuse Treat* 2010; 39: 340-52.

## Methadone

Ronel N, Gueta K, Abramsohn Y, Caspi N, Adelson M.  
Can a 12-step program work in methadone maintenance treatment?  
*Int J Offender Ther Comp Criminol* 2010; online early: doi: 10.1177/0306624X10382570:

## Monoclonal antibodies

Mazuet C, Dano J, Popoff MR, Creminon C, Volland H.  
Characterization of botulinum neurotoxin type A neutralizing monoclonal antibodies and influence of their half-lives on therapeutic activity.  
*PLoS ONE* 2010; 5: 8.

## Multiple-dose activated charcoal

Skinner CG, Chang AS, Matthews AR, Reedy SJ, Morgan BW.  
Randomized controlled study on the use of multiple-dose activated charcoal in patients with supratherapeutic phenytoin levels. Abstract of the 2010 North American Congress of Clinical Toxicology Annual Meeting, October 7-12, 2010. Denver, CO, USA.  
*Clin Toxicol* 2010; 48: 612.

Wong OF, Fung HT, Lam T.  
Case report of aspirin overdose: bezoar formation and controversies of multiple-dose activated charcoal in salicylate poisoning.  
*Hong Kong J Emerg Med* 2010; 17: 276-80.

## Naltrexone

Morley KC, Teesson M, Sannibale C, Baillie A, Haber PS.  
Clinical predictors of outcome from an Australian pharmacological relapse prevention trial.  
*Alcohol Alcohol* 2010; online early: doi:10.1093/alcalc/agg068:

## Pentoxifylline

Ranjbar A, Ghahremani MH, Sharifzadeh M, Golestani A, Ghazi-Khansari M, Baeeri M, Abdollahi M.  
Protection by pentoxifylline of malathion-induced toxic stress and mitochondrial damage in rat brain.  
*Hum Exp Toxicol* 2010; 29: 851-64.

## Phenylephrine

Engelbrechtsen KM, Morgan MW, Stellpflug SJ, Cole JB, Anderson CP.  
Addition of phenylephrine to high-dose insulin in dihydro-pyridine overdose does not improve outcome.  
*Clin Toxicol* 2010; 48: 806-12.

## Proparacaine

Ball IM, Seabrook J, Desai N, Allen L, Anderson S.  
Dilute proparacaine for the management of acute corneal injuries in the emergency department.  
*CJEM* 2010; 12: 389-96.

## Red cell exchange

Celikdemir A, Gokel Y, Guvenc B, Tekinturan F.  
Treatment of acute carbon-monoxide poisoning with therapeutic erythrocytapheresis: clinical effects and results in 17 victims.  
*Transfus Apher Sci* 2010; online early: PM:20974550:

## Renal replacement therapy

Bunchman TE, Ferris ME.  
Management of toxic ingestions with the use of renal replacement therapy.  
*Pediatr Nephrol* 2010; online early: doi: 10.1007/s00467-010-1654-3:

## Sesame oil

Chandrasekaran VR, Chien SP, Hsu DZ, Chang YC, Liu MY.  
Effects of sesame oil against after the onset of acetaminophen-induced acute hepatic injury in rats.  
*J Parenter Enteral Nutr* 2010; 34: 567-73.

## Theophylline

Oransay K, Kalkan S, Hocaoglu N, Arici A, Tuncok Y.  
An alternative antidote therapy in amitriptyline-induced rat toxicity model: theophylline.  
*Drug Chem Toxicol* 2010; online early: doi: 10.3109/01480545.2010.495947:

## DRUGS

### General

Baldacchino A, Crome IB, Zador D, McGarrol S, Taylor A, Hutchison S, Fahey T, Hickman M, Kidd B.  
Recording of clinical information in a Scotland-wide drug deaths study.  
*J Psychopharmacol* 2010; 24: 1289-98.

Baldrick P.  
Safety evaluation of biological drugs: what are toxicology studies in primates telling us?  
*Regul Toxicol Pharmacol* 2010; online early: doi:10.1016/j.yrtph.2010.10.005:

Blumenfeld YJ, Reynolds-May MF, Altman RB, El-Sayed YY.  
Maternal-fetal and neonatal pharmacogenomics: a review of current literature.  
*J Perinatol* 2010; 30: 571-9.

Buykx P, Loxley W, Dietze P, Ritter A.  
Medications used in overdose and how they are acquired - an investigation of cases attending an inner Melbourne emergency department.  
*Aust N Z J Public Health* 2010; 34: 401-4.

Camus P, Rosenow EC, (eds)  
Drug-induced and iatrogenic respiratory disease.  
London: Hodder Arnold, 2010. 350 p.

Carrasco-Garrido P, Lopez de Andres A, Hernandez-Barrera V, Gil de Miguel A, Jimenez-Garcia R.  
Trends of adverse drug reactions related-hospitalizations in Spain (2001-2006).  
*BMC Health Serv Res* 2010; 10: 287.

Elangbam CS.  
Drug-induced valvulopathy: an update.  
*Toxicol Pathol* 2010; 38: 837-48.

## Drugs, general

Hori Y, Iseki K, Suzuki K, Namera A, Fukumoto M, Fuke C, Mori H, Soma K.

[Survey of analytical works for drugs at emergency and critical care centers with high-performance instruments provided by the Ministry of Health and Welfare (at present: Ministry of Health, Labour and Welfare) in fiscal 1998]. In Japanese with English abstract.

Chudoku Kenkyu 2010; 23: 224-31.

Ponticelli C, Graziani G.

Management of drug toxicity in patients with renal insufficiency. Nat Rev Nephrol 2010; 6: 317-8.

Sturm S, Hammann F, Drewe J, Maurer HH, Scholer A.

An automated screening method for drugs and toxic compounds in human serum and urine using liquid chromatography-tandem mass spectrometry.

J Chromatogr B Analyt Technol Biomed Life Sci 2010; 878: 2726-32.

Suter L, Schroeder S, Meyer K, Gautier JC, Amberg A, Wendt M, Gmuender H, Mally A, Boitier E, Ellinger-Ziegelbauer H, Matheis K, Pfannkuch F.

EU framework 6 project: predictive toxicology (PredTox) - overview and outcome.

Toxicol Appl Pharmacol 2010; online early: doi: 10.1016/j.taap.2010.10.008:

Uhrenholt L, Schumacher B, Freeman M.

[Medico-legal autopsy and testing for alcohol and drugs/medicine after traffic fatalities is not routinely conducted]. In Danish with English abstract.

Ugeskr Laeger 2010; 172: 2683-7.

Wilcher G.

Drug-related deaths with evidence of intracorporeal drug concealment at autopsy: five case reports.

Am J Forensic Med Pathol 2010; online early: doi: 10.1097/PAF.0b013e3181efbc09:

## Acetaminophen (paracetamol)

Anon.

For the dental patient ... acetaminophen overdose and liver damage.

J Am Dent Assoc 2010; 141: 1158.

Chandrasekaran VR, Chien SP, Hsu DZ, Chang YC, Liu MY.

Effects of sesame oil against after the onset of acetaminophen-induced acute hepatic injury in rats.

J Parenter Enteral Nutr 2010; 34: 567-73.

Chandrasekaran VR, Periasamy S, Liu LL, Liu MY.

17 $\beta$ -Estradiol protects against acetaminophen-overdose-induced acute oxidative hepatic damage and increases the survival rate in mice.

Steroids 2010; online early: doi: 10.1016/j.steroids.2010.09.008:

Craig DGN, Bates CM, Davidson JS, Martin KG, Hayes PC, Simpson KJ.

Overdose pattern and outcome in paracetamol-induced acute severe hepatotoxicity.

Br J Clin Pharmacol 2010; online early: doi: 10.1111/j.1365-2125.2010.03819.x:

Dear JW.

New marker for paracetamol poisoning - revolution or evolution? Clin Toxicol 2010; 48: 785-6.

Demirbas S, Cakir E, Akgul EO, Seyrek M, Cayci T, Kurt YG, Uysal B, Aydin I, Kurt B, Yaman H, Erbil MK.

Elevated serum neopterin levels in acetaminophen-induced liver injury.

Environ Toxicol Pharmacol 2010; online early: doi:10.1016/j.etap.2010.10.003:

Flores-Perez C, Chavez-Pacheco JL, Ramirez-Mendiola B, Aleman-Medina R, Garcia-Alvarez R, Juarez-Olguin H, Flores-Perez J.

A reliable method of liquid chromatography for the quantification of acetaminophen and identification of its toxic metabolite N-acetyl-p-benzoquinoneimine for application in pediatric studies.

Biomed Chromatogr 2010; early online: PM:20878659:

Green TJ, Sivilotti ML, Langmann C, Yarema M, Juurlink D, Burns MJ, Johnson DW.

When do the aminotransferases rise after acute acetaminophen overdose?

Clin Toxicol 2010; 48: 787-92.

Kelava T, Cavar I, Culo F.

Influence of small doses of various drug vehicles on acetaminophen-induced liver injury.

Can J Physiol Pharmacol 2010; 88: 960-7.

Kienhuis AS, Bessems JG, Pennings JL, Driessen M, Luijten M, van Delft JH, Peijnenburg AA, der Ven LT.

Application of toxicogenomics in hepatic systems toxicology for risk assessment: acetaminophen as a case study.

Toxicol Appl Pharmacol 2010; online early: doi: 10.1016/j.taap.2010.10.013:

Laing WJ, Lupton DJ, Veiraiah A, Bateman DN.

Legislation and acetaminophen overdose in a UK hospital 2000-2008. Abstract of the 2010 North American Congress of Clinical Toxicology Annual Meeting, October 7-12, 2010. Denver, CO, USA.

Clin Toxicol 2010; 48: 605.

Livshits Z, Hoffman RS.

Comment: a population study of the frequency of high-dose acetaminophen prescribing and dispensing.

Ann Pharmacother 2010; online early: doi: 10.1345/aph.1P012a:

Morsy MA, Ibrahim SA, Abdelwahab SA, Zedan MZ, Elbitar HI.

Curative effects of hydrogen sulfide against acetaminophen-induced hepatotoxicity in mice.

Life Sci 2010; online early: doi: 10.1016/j.lfs.2010.10.004:

Vogel J, Heard KJ, Carlson C, Lange C, Mitchell G.

Dental pain as a risk factor for accidental acetaminophen overdose: a case-control study.

Am J Emerg Med 2010; online early: doi: 10.1016/j.ajem.2010.08.006:

Wananukul W, Klaikeun S, Sriapha C, Tongpoo A.

Effect of activated charcoal in reducing paracetamol absorption at a supra-therapeutic dose.

J Med Assoc Thai 2010; 93: 1145-9.

Whyte AJ, Kehrl T, Brooks DE, Katz KD, Sokolowski D.

Safety and effectiveness of acetadote for acetaminophen toxicity.

J Emerg Med 2010; 39: 607-11.

Ytrebo LM, Klepstad P.

Intensivbehandling av voksne med leversvikt. [Intensive care of patients with acute liver failure]. In Norwegian with English abstract.

Tidsskr Nor Laegeforen 2010; 130: 1609-13.

## Aconitine

Lin CC, Phua DH, Deng JF, Yang CC.  
Aconitine intoxication mimicking acute myocardial infarction.  
*Hum Exp Toxicol* 2010; online early:  
doi:10.1177/0960327110385960:

## Amfetamines and MDMA (ecstasy)

Bedi G, Hyman D, De Wit H.  
Is ecstasy an "empathogen"? Effects of  $\pm$ 3,4-methylenedioxy-  
methamphetamine on prosocial feelings and identification of  
emotional states in others.  
*Biol Psychiatry* 2010; online early: doi:  
10.1016/j.biopsych.2010.08.003:

Grunau BE, Wiens MO, Brubacher JR.  
Dantrolene in the treatment of MDMA-related hyperpyrexia: a  
systematic review.  
*CJEM* 2010; 12: 435-42.

Kiyatkin EA, Sharma HS.  
Expression of heat shock protein (HSP 72 kDa) during acute  
methamphetamine intoxication depends on brain hyperthermia:  
neurotoxicity or neuroprotection?  
*J Neural Transm* 2010; online early: doi: 10.1007/s00702-010-  
0477-5:

Liang R, Zhou Y, Wu F, Zhou C, Zhao X, Zhang M, Tian X, Zhu B.  
Effect of methamphetamine on potassium and L-type calcium  
currents in rat ventricular myocytes.  
*Toxicol Mech Methods* 2010; 20: 458-65.

Vanattou-Saifoudine N, Gossen A, Harkin A.  
A role for adenosine A<sub>1</sub> receptor blockade in the ability of caffeine  
to promote MDMA "ecstasy"-induced striatal dopamine release.  
*Eur J Pharmacol* 2010; online early: doi:  
10.1016/j.ejphar.2010.10.012:

## Amitriptyline

Guloglu C, Orak M, Ustundag M, Altunci YA.  
Analysis of amitriptyline overdose in emergency medicine.  
*Emerg Med J* 2010; online early: 10.1136/emj.2009.076596:

Oransay K, Kalkan S, Hocaoglu N, Arici A, Tuncok Y.  
An alternative antidote therapy in amitriptyline-induced rat  
toxicity model: theophylline.  
*Drug Chem Toxicol* 2010; online early: doi:  
10.3109/01480545.2010.495947:

## Anticonvulsants

Fucic A, Stojkovic R, Miskov S, Zeljezic D, Markovic D, Gjergja  
R, Katic J, Jazbec AM, Bakulic TI, Demarin V.  
Transplacental genotoxicity of antiepileptic drugs: animal model  
and pilot study on mother/newborn cohort.  
*Reprod Toxicol* 2010; online early: doi:  
10.1016/j.reprotox.2010.08.008:

Zebley BD, Ferrando SJ.  
Suicide-related events in patients treated with antiepileptic drugs.  
*N Engl J Med* 2010; 363: 1873-4.

## Antineoplastic drugs

He S-M, Yang A-K, Li X-T, Du Y-M, Zhou S-F.  
Effects of herbal products on the metabolism and transport of  
anticancer agents.  
*Expert Opin Drug Metab Toxicol* 2010; 6: 1195-213.

McDiarmid MA, Oliver MS, Roth TS, Rogers B, Escalante C.  
Chromosome 5 and 7 abnormalities in oncology personnel handling  
anticancer drugs.  
*J Occup Environ Med* 2010; 52: 1028-34.

## Antivirals

McCance-Katz EF.  
Drug interactions associated with methadone, buprenorphine,  
cocaine, and HIV medications: implications for pregnant women.  
*Life Sci* 2010; online early: doi: 10.1016/j.lfs.2010.09.016:

## Aripiprazole

Suzuki Y, Ono S, Fukui N, Sugai T, Watanabe J, Tsuneyama N,  
Someya T.  
Dose-dependent increase in the QTc interval in aripiprazole  
treatment after risperidone.  
*Prog Neuropsychopharmacol Biol Psychiatry* 2010; online early:  
doi:10.1016/j.pnpbbp.2010.10.024:

## Benzocaine

Orr TM, Orr DL.  
Methemoglobinemia secondary to over-the-counter Anbesol.  
*Oral Surg Oral Med Oral Pathol Oral Radiol Endod* 2010; online  
early: PM:20952221:

## Blonanserin

Ogawa T, Hattori H, Kaneko R, Ito K, Iwai M, Mizutani Y,  
Arinobu T, Ishii A, Suzuki O, Seno H.  
Sensitive analysis of blonanserin, a novel antipsychotic agent, in  
human plasma by ultra-performance liquid chromatography-  
tandem mass spectrometry.  
*Anal Sci* 2010; 26: 1099-102.

## Buprenorphine

Ling W, Casadonte P, Bigelow G, Kampman KM, Patkar A,  
Bailey GL, Rosenthal RN, Beebe KL.  
Buprenorphine implants for treatment of opioid dependence: a  
randomized controlled trial.  
*JAMA* 2010; 304: 1576-83.

Maremmani I, Gerra G.  
Buprenorphine-based regimens and methadone for the medical  
management of opioid dependence: selecting the appropriate  
drug for treatment.  
*Am J Addict* 2010; 19: 557-68.

McCance-Katz EF.  
Drug interactions associated with methadone, buprenorphine,  
cocaine, and HIV medications: implications for pregnant women.  
*Life Sci* 2010; online early: doi: 10.1016/j.lfs.2010.09.016:

Mégarbane B, Vodovar D, Baud FJ.  
Fatalities in relation to buprenorphine snorting and ethanol co-  
ingestion: mechanisms of toxicity.  
*Forensic Sci Int* 2010; online early: doi:  
10.1016/j.forsciint.2010.09.014:

Papoutsis II, Nikolaou PD, Athanaselis SA, Pistos CM,  
Spiliopoulou CA, Maravelias CP.  
Development and validation of a highly sensitive GC/MS method for  
the determination of buprenorphine and nor-buprenorphine in  
blood.  
*J Pharm Biomed Anal* 2010; online early: doi:  
10.1016/j.jpba.2010.09.023:

Pedapati EV, Bateman ST.  
Toddlers requiring pediatric intensive care unit admission  
following at-home exposure to buprenorphine/naloxone.  
*Pediatr Crit Care Med* 2010; online early: doi:  
10.1097/PCC.0b013e3181f3a118:

Pinto H, Maskrey V, Swift L, Rumball D, Wagle A, Holland R.  
The SUMMIT trial: a field comparison of buprenorphine versus  
methadone maintenance treatment.  
*J Subst Abuse Treat* 2010; 39: 340-52.

## Buprenorphine

Winstock AR, Lintzeris N, Lea T.  
"Should I stay or should I go?" Coming off methadone and buprenorphine treatment.  
*Int J Drug Policy* 2010; online early: doi: 10.1016/j.drugpo.2010.08.001:

## Caffeine

Froeling SP, Malingre MM, Huisman-van Zee CMA.  
Acute coffeine-intoxicatie na het innemen van coffeinepoeder: Twee case reports en het gebruik van een farmacokinetiek-programma in de behandeling hiervan. [Acute caffeine intoxication after taking caffeine powder: two case reports and the use of a pharmacokinetic program in treatment]. In Dutch with English abstract.  
*Tijdschr Kindergeneeskd* 2010; 78: 165-7.

Vaglio JC, Schoenhard JA, Saavedra PJ, Williams SR, Raj SR.  
Arrhythmogenic Munchausen syndrome culminating in caffeine-induced ventricular tachycardia.  
*J Electrocardiol* 2010; online early: doi: 10.1016/j.jelectrocard.2010.08.006:

Vanattou-Saïfoudine N, Gossen A, Harkin A.  
A role for adenosine A<sub>1</sub> receptor blockade in the ability of caffeine to promote MDMA "ecstasy"-induced striatal dopamine release.  
*Eur J Pharmacol* 2010; online early: doi: 10.1016/j.ejphar.2010.10.012:

## Calcium supplements

Rehman S, Adnan M, Khalid N, Shaheen L.  
Calcium supplements: an additional source of lead contamination.  
*Biol Trace Elem Res* 2010; online early: doi: 10.1007/s12011-010-8870-3:

## Cannabis (marijuana)

Dresen S, Ferreiros N, Putz M, Westphal F, Zimmermann R, Auwarter V.  
Monitoring of herbal mixtures potentially containing synthetic cannabinoids as psychoactive compounds.  
*J Mass Spectrom* 2010; 45: 1186-94.

Hallak JEC, Dursun SM, Bosi DC, de Macedo LRH, de Sousa JPM, Abrão J, Crippa JAS, McGuire P, Krystal JH, Baker GB, Zuardi AW.  
The interplay of cannabinoid and NMDA glutamate receptor systems in humans: preliminary evidence of interactive effects of cannabidiol and ketamine in healthy human subjects.  
*Prog Neuropsychopharmacol Biol Psychiatry* 2010; online early: doi: 10.1016/j.pnpb.2010.11.002:

Levin KH, Copersino ML, Heishman SJ, Liu F, Kelly DL, Boggs DL, Gorelick DA.  
Cannabis withdrawal symptoms in non-treatment-seeking adult cannabis smokers.  
*Drug Alcohol Depend* 2010; 111: 120-7.

Morgan CJ, Schafer G, Freeman TP, Curran HV.  
Impact of cannabidiol on the acute memory and psychotomimetic effects of smoked cannabis: naturalistic study.  
*Br J Psychiatry* 2010; 197: 285-90.

Room R.  
Prohibition of cannabis.  
*Br Med J* 2010; 341: 744.

Stone JM, Morrison PD, Nottage J, Bhattacharyya S, Feilding A, McGuire PK.  
Delta-9-tetrahydrocannabinol disruption of time perception and of self-timed actions.  
*Pharmacopsychiatry* 2010; 43: 236-7.

## Carbamazepine

Dogan M, Yilmaz C, Temel H, Çaksen H, Taskin G.  
A case of carbamazepine intoxication in a young boy.  
*J Emerg Med* 2010; 39: 655-6.

## Carvedilol

Forrester MB.  
Pediatric carvedilol ingestions reported to Texas poison centers, 2000 to 2008.  
*Pediatr Emerg Care* 2010; online early: doi: 10.1097/PEC.0b013e3181f39635:

## Chloroquine

Bergholz R, Schroeter J, Ruther K.  
Evaluation of risk factors for retinal damage due to chloroquine and hydroxychloroquine.  
*Br J Ophthalmol* 2010; online early: doi: 10.1136/bjo.2009.174458:

Lacava AC.  
[Ocular complications of chloroquine and derivatives therapy]. In Portuguese with English abstract.  
*Arq Bras Oftalmol* 2010; 73: 384-9.

## Cocaine

Harrison C.  
Drug addiction: blocking cocaine-seeking behaviour.  
*Nat Rev Drug Discov* 2010; 9: 764-5.

McCance-Katz EF.  
Drug interactions associated with methadone, buprenorphine, cocaine, and HIV medications: implications for pregnant women.  
*Life Sci* 2010; online early: doi: 10.1016/j.lfs.2010.09.016:

Nzerue CM, Carew K, Faulkner M, Torrente S, Fleming M.  
Spontaneous perinephric haemorrhage and acute renal failure in pregnancy due to cocaine intoxication.  
*NDT Plus* 2010; 3: 265-8.

Oliveto A, Poling J, Mancino MJ, Feldman Z, Cubells JF, Pruzinsky R, Gonsai K, Cargile C, Sofuoglu M, Chopra MP, Gonzalez-Haddad G, Carroll KM, Kosten TR.  
Randomized, double blind, placebo-controlled trial of disulfiram for the treatment of cocaine dependence in methadone-stabilized patients.  
*Drug Alcohol Depend* 2010; online early: doi: 10.1016/j.drugalcdep.2010.07.022:

Valente MJ, Carvalho F, Bastos ML, Carvalho M, de Pinho PG.  
Development and validation of a gas chromatography/ion trap-mass spectrometry method for simultaneous quantification of cocaine and its metabolites benzoylecgonine and norcocaine: application to the study of cocaine metabolism in human primary cultured renal cells.  
*J Chromatogr B Analyt Technol Biomed Life Sci* 2010; online early: doi 10.1016/j.jchromb.2010.09.010:

Xue L, Ko MC, Tong M, Yang W, Hou S, Fang L, Liu J, Zheng F, Woods JH, Tai HH, Zhan CG.  
Design, preparation and characterization of high-activity mutants of human butyrylcholinesterase specific for detoxification of cocaine.  
*Mol Pharmacol* 2010; online early: doi 10.1124/mol.110.068494:

## Codeine

Cohen DP, Unoh E, Barry H, O'Connor JJ.  
Codeine misuse among service users on a methadone treatment programme.  
*Ir J Med Sci* 2010; 179: 465.

## Codeine

Evans C, Chalmers-Watson TA, Geary RB. Medical image. Combination NSAID-codeine preparations and gastrointestinal toxicity. *N Z Med J* 2010; 123: 92-3.

Kolmonen M, Leinonen A, Kuuranne T, Pelander A, Ojanpera I. Hydrophilic interaction liquid chromatography and accurate mass measurement for quantification and confirmation of morphine, codeine and their glucuronide conjugates in human urine. *J Chromatogr B Analyt Technol Biomed Life Sci* 2010; online early: doi: 10.1016/j.jchromb.2010.08.047:

## Colchicine

Ide N, Suzuki A, Suzuki E, Gotou S. [A case of colchicine intoxication caused by tubers of *Gloriosa superba*]. In Japanese with English abstract. *Chudoku Kenkyu* 2010; 23: 243-5.

## Designer drugs

### General

Dresen S, Ferreira N, Putz M, Westphal F, Zimmermann R, Auwarter V.

Monitoring of herbal mixtures potentially containing synthetic cannabinoids as psychoactive compounds. *J Mass Spectrom* 2010; 45: 1186-94.

### Methylenedioxypropylvalerone

Strano-Rossi S, Cadwallader AB, De la Torre X, Botre F. Toxicological determination and in vitro metabolism of the designer drug methylenedioxypropylvalerone (MPDV) by gas chromatography/mass spectrometry and liquid chromatography/quadrupole time-of-flight mass spectrometry. *Rapid Commun Mass Spectrom* 2010; 24: 2706-14.

### Phenylalkylamines (2C-B)

Huang HH, Bai YM. Persistent psychosis after ingestion a single tablet of '2C-B'. *Prog Neuropsychopharmacol Biol Psychiatry* 2010; online early: doi:10.1016/j.pnpb.2010.10.018:

### Tryptamines

Shen HW, Jiang XL, Winter JC, Yu AM. Psychedelic 5-methoxy-N,N-dimethyltryptamine: metabolism, pharmacokinetics, drug Interactions, and pharmacological actions. *Curr Drug Metab* 2010; online early: PM:20942780:

## Dexmedetomidine

Max BA, Mason KP. Extended infusion of dexmedetomidine to an infant at sixty times the intended rate. *Int J Pediatr* 2010; online early: doi: 10.1155/2010/825079:

## Digoxin

Burk O, Brenner SS, Hofmann U, Tegude H, Igel S, Schwab M, Eichelbaum M, Alschner MD. The impact of thyroid disease on the regulation, expression, and function of ABCB1 (MDR1/P glycoprotein) and consequences for the disposition of digoxin. *Clin Pharmacol Ther* 2010; 88: 685-94.

## Diphenhydramine

Benson BE, Farooqi MF, Klein-Schwartz W, Litovitz T, Webb AN, Borys DJ, Lung D, Rutherford Rose S, Aleguas A, Sollee DR, Seifert SA. Diphenhydramine dose-response: a novel approach to determine triage thresholds. *Clin Toxicol* 2010; 48: 820-31.

Jolliff HA, De Lucia AC, Thomas TN. Lipid emulsion in the treatment of diphenhydramine toxicity. Abstract of the 2010 North American Congress of Clinical Toxicology Annual Meeting, October 7-12, 2010. Denver, CO, USA. *Clin Toxicol* 2010; 48: 613.

## Dosulepin

Alexander J, Berce G. Delirium as a symptom of tricyclic antidepressant withdrawal. *Aust N Z J Psychiatry* 2010; 44: 863.

## Doxazosin

Chytil L, Strauch B, Cvacka J, Maresova V, Widimsky J, Jr., Holaj R, Slanar O. Determination of doxazosin and verapamil in human serum by fast LC-MS/MS: Application to document non-compliance of patients. *J Chromatogr B Analyt Technol Biomed Life Sci* 2010; 878: 3167-73.

## Estazolam

Li S-F, An R-S, Ma B-Z, Yuan J, Zhang X-L. [Simultaneous determination of naloxone hydrochloride and estazolam in human plasma by HPLC assay]. In Chinese with English abstract. *Chin Pharm J* 2010; 45: 376-8.

## Eye drops

Alpay A, Ermis B, Ugurbas SC, Battal F, Sagdik HM. The local vasoconstriction of infant's skin following instillation of mydriatic eye drops. *Eur J Clin Pharmacol* 2010; 66: 1161-4.

Vaede D, Baudouin C, Warnet JM, Brignole-Baudouin F. Les conservateurs des collyres: vers une prise de conscience de leur toxicité. [Preservatives in eye drops: toward awareness of their toxicity]. In French with English abstract. *J Fr Ophtalmol* 2010; 33: 505-24.

## Fentanyl

Botterman J, Criel N. Inappropriate use of high doses of transdermal fentanyl at admission to a palliative care unit. *Palliative Med* 2010; online early: doi: 10.1177/0269216310384901:

Hornig HC, Ho MT, Huang CH, Yeh CC, Cherng CH. Negative pressure pulmonary edema following naloxone administration in a patient with fentanyl-induced respiratory depression. *Acta Anaesthesiol Taiwan* 2010; 48: 155-7.

Palmer RB. Fentanyl in postmortem forensic toxicology. *Clin Toxicol* 2010; 48: 771-84.

## Ferrous sulphate

Magdalan J, Zawadzki M, Sozanski T. Fulminant hepatic failure in woman with iron and non-steroidal anti-inflammatory drug intoxication. *Hum Exp Toxicol* 2010; online early: doi:10.1177/0960327110386392:

## Flecainide

Stellpflug SJ, Cole JB, Dolan JA, Setzer SC, Moser KL, Harris CR. Life-threatening flecainide overdose treated with intravenous fat emulsion. Abstract of the 2010 North American Congress of Clinical Toxicology Annual Meeting, October 7-12, 2010. Denver, CO, USA. *Clin Toxicol* 2010; 48: 612.

## Fluorouracil

Snavely NR, Snavely DA, Wilson BB.  
Toxic effects of fluorouracil cream ingestion on dogs and cats.  
*Arch Dermatol* 2010; 146: 1195-6.

## Gamma hydroxybutyrate

Ingels AS, Lambert WE, Stove CP.  
Determination of gamma-hydroxybutyric acid in dried blood spots using a simple GC-MS method with direct "on spot" derivatization.  
*Anal Bioanal Chem* 2010; 398: 2173-82.

## Hallucinogenic drugs

Baggott MJ, Coyle JR, Erowid E, Erowid F, Robertson LC.  
Abnormal visual experiences in individuals with histories of hallucinogen use: a web-based questionnaire.  
*Drug Alcohol Depend* 2010; online early: doi: 10.1016/j.drugalcdep.2010.09.006:

Mrazova K, Navratil T, Pelcova D.  
Use and accidental exposure to hallucinogenic agents reported to the Czech toxicological information centre from 1995 to 2008.  
*Subst Use Misuse* 2010; online early: doi: 10.3109/10826084.2010.527418:

## Heparin

Monte AA, Bodmer M, Schaeffer TH.  
Low-molecular-weight heparin overdose: management by observation.  
*Ann Pharmacother* 2010; 44: 1836-9.

## Herbal medicines

Adigun IA, Nasir AA, Aderibigbe AB.  
Fulminant necrotizing fasciitis following the use of herbal concoction: a case report.  
*J Med Case Reports* 2010; 4: 326.

Chen SPL, Tang MHY, Ng SW, Poon WT, Chan AYW, Mak TWL.  
Psychosis associated with usage of herbal slimming products adulterated with sibutramine: a case series.  
*Clin Toxicol* 2010; 48: 832-8.

de Oliveira RB, De Paula DAC, Rocha BA, Franco JJ, Gobbo-Neto L, Uyemura SA, dos Santos WF, da Costa FB.  
Renal toxicity caused by oral use of medicinal plants: the Yacon example.  
*J Ethnopharmacol* 2010; online early: doi: 10.1016/j.jep.2010.10.019:

Furukawa M, Kasajima S, Nakamura Y, Shouzushima M, Nagatani N, Takinishi A, Taguchi A, Fujita M, Niimi A, Misaka R, Nagahara H.  
Toxic hepatitis induced by show-wu-pian, a Chinese herbal preparation.  
*Intern Med* 2010; 49: 1537-40.

Gadaga LL, Tagwirey D, Dzungare J, Nhachi CF.  
Acute oral toxicity and neurobehavioural toxicological effects of a hydroethanolic extract of *Boophone disticha* in rats.  
*Hum Exp Toxicol* 2010; online early: doi: 10.1177/0960327110384524:

Gupta N, Goswami B, Singh N, Koner BC, Garg R.  
Lead poisoning associated with Ayurvedic drug presenting as intestinal obstruction: a case report.  
*Clin Chim Acta* 2010; online early: doi: 10.1016/j.cca.2010.10.007:

He S-M, Yang A-K, Li X-T, Du Y-M, Zhou S-F.  
Effects of herbal products on the metabolism and transport of anticancer agents.  
*Expert Opin Drug Metab Toxicol* 2010; 6: 1195-213.

Lin CC, Phua DH, Deng JF, Yang CC.  
Aconitine intoxication mimicking acute myocardial infarction.  
*Hum Exp Toxicol* 2010; online early: doi: 10.1177/0960327110385960:

McKenzie SC, Rahman A.  
Bradycardia in a patient taking black cohosh.  
*Med J Aust* 2010; 193: 479-81.

Rehman S, Adnan M, Khalid N, Shaheen L.  
Calcium supplements: an additional source of lead contamination.  
*Biol Trace Elem Res* 2010; online early: doi: 10.1007/s12011-010-8870-3:

Stohs SJ, Lau FC, Kim D, Kim SU, Bagchi M, Bagchi D.  
Safety assessment of a calcium-potassium salt of (-)-hydroxycitric acid.  
*Toxicol Mech Methods* 2010; online early: 20: 515-25.

Youns M, Hoheisel JD, Efferth T.  
Toxicogenomics for the prediction of toxicity related to herbs from traditional Chinese medicine.  
*Planta Med* 2010; online early: doi: 10.1055/s-0030-1250432:

## Heroin (diacetylmorphine)

Comiskey CM, Cox G.  
Analysis of the impact of treatment setting on outcomes from methadone treatment.  
*J Subst Abuse Treat* 2010; 39: 195-201.

Fareed A, Vayalapalli S, Casarella J, Amar R, Drexler K.  
Heroin antitubercular medications: a systematic review.  
*Am J Drug Alcohol Abuse* 2010; 36: 332-41.

Nair EL, Cienkowski KM, Michaelides E.  
The impact of sudden hearing loss secondary to heroin overdose on fitting outcomes.  
*Am J Audiol* 2010; online early: doi 10.1044/1059-0889(2010/09-0020):

Radenkova-Saeva J, Kostadinova R, Michova A, Petrunov B.  
Pulmonary complications related to heroin overdose and some changes in immune reactivity.  
*Cent Eur J Med* 2010; 5: 508-12.

## Hydroxychloroquine

Bergholz R, Schroeter J, Ruther K.  
Evaluation of risk factors for retinal damage due to chloroquine and hydroxychloroquine.  
*Br J Ophthalmol* 2010; online early: doi: 10.1136/bjo.2009.174458:

## Hypoglycaemics

Hess C, Musshoff F, Madea B.  
Disorders of glucose metabolism - post mortem analyses in forensic cases: part I.  
*Int J Legal Med* 2010; online early: doi: 10.1007/s00414-010-0509-6:

## Isoniazid

Dutta R, Dube SK, Singh DK.  
Antitubercular drug poisoning in a pregnant woman.  
*Indian J Anaesth* 2010; 54: 335-7.

## Isopropyl nitrite

Vignal-Clermont C, Audo I, Sahel JA, Paques M.  
Poppers-associated retinal toxicity.  
*N Engl J Med* 2010; 363: 1583-5.

## Ketamine

Hallak JEC, Dursun SM, Bosi DC, de Macedo LRH, de Sousa JPM, Abrão J, Crippa JAS, McGuire P, Krystal JH, Baker GB, Zuardi AW. The interplay of cannabinoid and NMDA glutamate receptor systems in humans: preliminary evidence of interactive effects of cannabidiol and ketamine in healthy human subjects. *Prog Neuropsychopharmacol Biol Psychiatry* 2010; online early: doi:10.1016/j.pnpbp.2010.11.002:

## Levothyroxine

Martinez Ruiz A, Sarabia Meseguer A, Martinez Hernandez P, Tovar Zapata I. Intoxicacion por ingesta de levotiroxina (Eutirox). [Intoxication due to ingestion of levothyroxine (Eutirox)]. In Spanish with English abstract. *Rev Lab Clin* 2010; 3: 136-8.

## Local anaesthetics

Kosh MC, Miller AD, Michels JE. Intravenous lipid emulsion for treatment of local anesthetic toxicity. *Ther Clin Risk Manag* 2010; 6: 449-51.

Morau D, Ahern S. Management of local anesthetic toxicity. *Int Anesthesiol Clin* 2010; 48: 117-40.

## Losartan

Kinoshita H, Kobayashi K, Yaguramaki T, Yasuda M, Fujiki K, Tomiyama J, Koga N, Yakushiji F. Losartan potassium/hydrochlorothiazide (Preminent®) and hyponatremia: case series of 40 patients. *Hum Exp Toxicol* 2010; online early: doi:10.1177/0960327110387455:

## Meperidine

Watterson JH, Desrosiers NA. Examination of the effect of dose-death interval on detection of meperidine exposure in decomposed skeletal tissues using microwave-assisted extraction. *Forensic Sci Int* 2010; online early: doi:10.1016/j.forsciint.2010.08.021:

## Mephedrone

Winstock A, Mitcheson L, Marsden J. Mephedrone: still available and twice the price. *Lancet* 2010; 376: 1537.

## Methadone

Barroso M, Dias M, Vieira DN, Lopez-Rivadulla M, Queiroz JA. Mixed-mode solid-phase extraction for sample cleanup in hair analysis for methadone and its main metabolite. *Biomed Chromatogr* 2010; 24: 1240-6.

Burns L, Conroy E, Mattick RP. Main reasons for hospital admissions by women with a history of methadone maintenance. *Drug Alcohol Rev* 2010; 29: 669-75.

Burns L, Conroy E, Mattick RP. Infant mortality among women on a methadone program during pregnancy. *Drug Alcohol Rev* 2010; 29: 551-6.

Cerese A, Leonini S, Bellini M, Chianese G, Venturi C. Methadone-induced toxic leukoencephalopathy: diagnosis and follow-up by magnetic resonance imaging including diffusion-weighted imaging and apparent diffusion coefficient maps. *J Neuroimaging* 2010; online early: doi: 10.1111/j.1552-6569.2010.00530:

Cohen DP, Unoh E, Barry H, O'Connor JJ. Codeine misuse among service users on a methadone treatment programme. *Ir J Med Sci* 2010; 179: 465.

Comiskey CM, Cox G. Analysis of the impact of treatment setting on outcomes from methadone treatment. *J Subst Abuse Treat* 2010; 39: 195-201.

Ebrahimzadeh H, Khezri E, Kamarei F. Determination of methadone in biological samples using liquid phase microextraction with back extraction combined with LC. *Chromatographia* 2010; 72: 231-8.

Gosselin M, Ramirez Fernandez MdM, Wille SM, Samyn N, De Boeck G, Bourel B. Quantification of methadone and its metabolite 2-ethylidene-1,5-dimethyl-3,3-diphenylpyrrolidine in third instar larvae of *Lucilia sericata* (diptera: *Calliphoridae*) using liquid chromatography-tandem mass spectrometry. *J Anal Toxicol* 2010; 34: 374-80.

Kasem M, Sayasneh A, Matta N. Maternal use of methadone and neonatal thrombocytosis. *Internet J Pediatr Neonatol* 2010; 11: 1.

Liu AJ, Nanan R. Maternal methadone dose at delivery and neonatal abstinence syndrome. *J Pediatr* 2010; online early: doi: 10.1016/j.jpeds.2010.08.047:

Maremmani I, Gerra G. Buprenorphine-based regimens and methadone for the medical management of opioid dependence: selecting the appropriate drug for treatment. *Am J Addict* 2010; 19: 557-68.

McCance-Katz EF. Drug interactions associated with methadone, buprenorphine, cocaine, and HIV medications: implications for pregnant women. *Life Sci* 2010; online early: doi: 10.1016/j.lfs.2010.09.016:

McGloughlin S, Castle E, Coulter C, Fraser JF. The risks of diverted take-home methadone. *Aust N Z J Public Health* 2010; 34: 93-4.

Oliveto A, Poling J, Mancino MJ, Feldman Z, Cubells JF, Pruzinsky R, Gonsai K, Cargile C, Sofuoglu M, Chopra MP, Gonzalez-Haddad G, Carroll KM, Kosten TR. Randomized, double blind, placebo-controlled trial of disulfiram for the treatment of cocaine dependence in methadone-stabilized patients. *Drug Alcohol Depend* 2010; online early: doi: 10.1016/j.drugalcdep.2010.07.022:

Pinto H, Maskrey V, Swift L, Rumball D, Wagle A, Holland R. The SUMMIT trial: a field comparison of buprenorphine versus methadone maintenance treatment. *J Subst Abuse Treat* 2010; 39: 340-52.

Racz J, Melles K, Marvanykovi F, Vadasz V. [Monitoring and evaluation of the Hungarian methadone maintenance programmes]. In Hungarian with English abstract. *Psychiatr Hung* 2010; 25: 202-20.

Ronel N, Gueta K, Abramsohn Y, Caspi N, Adelson M. Can a 12-step program work in methadone maintenance treatment? *Int J Offender Ther Comp Criminol* 2010; online early: doi: 10.1177/0306624X10382570:

## Methadone

Sharkey KM, Kurth ME, Anderson BJ, Corso RP, Millman RP, Stein MD.

Assessing sleep in opioid dependence: a comparison of subjective ratings, sleep diaries, and home polysomnography in methadone maintenance patients.

Drug Alcohol Depend 2010; online early: doi: 10.1016/j.drugalcdep.2010.08.007: 1-4.

Winstock AR, Lintzeris N, Lea T.

"Should I stay or should I go?" Coming off methadone and buprenorphine treatment.

Int J Drug Policy 2010; online early: doi: 10.1016/j.drugpo.2010.08.001:

## Methylergonovine

Bas AY, Demirel N, Soysal A, Arslan K, Dilmen U.

An unusual mimicker of a sepsis outbreak: ergot intoxication.

Eur J Pediatr 2010; online early: doi: 10.1007/s00431-010-1336-y:

## Mexiletine

Akinci E, Yuzbasioglu Y, Coskun F.

Hemodialysis as an alternative treatment of mexiletine intoxication.

Am J Emerg Med 2010; online early: doi: 10.1016/j.ajem.2010.08.027:

## Morphine

Kolmonen M, Leinonen A, Kuuranne T, Pelander A, Ojanpera I. Hydrophilic interaction liquid chromatography and accurate mass measurement for quantification and confirmation of morphine, codeine and their glucuronide conjugates in human urine.

J Chromatogr B Analyt Technol Biomed Life Sci 2010; online early: doi: 10.1016/j.jchromb.2010.08.047:

## Nifedipine

Engebretsen KM, Morgan MW, Stellpflug SJ, Cole JB, Anderson CP.

Addition of phenylephrine to high-dose insulin in dihydropyridine overdose does not improve outcome.

Clin Toxicol 2010; 48: 806-12.

## NSAIDs

Evans C, Chalmers-Watson TA, Geary RB.

Medical image. Combination NSAID-codeine preparations and gastrointestinal toxicity.

N Z Med J 2010; 123: 92-3.

Magdalan J, Zawadzki M, Sozanski T.

Fulminant hepatic failure in woman with iron and non-steroidal anti-inflammatory drug intoxication.

Hum Exp Toxicol 2010; online early: doi: 10.1177/0960327110386392:

Scarpignato C, Hunt RH.

Nonsteroidal antiinflammatory drug-related injury to the gastrointestinal tract: clinical picture, pathogenesis, and prevention.

Gastroenterol Clin North Am 2010; 39: 433-64.

## Olanzapine

Anon.

Long-acting injectable olanzapine. inadequate assessment and a risk of overdose.

Prescrire Int 2010; 19: 114.

## Paracetamol (acetaminophen)

Anon.

For the dental patient ... acetaminophen overdose and liver damage.

J Am Dent Assoc 2010; 141: 1158.

Chandrasekaran VR, Chien SP, Hsu DZ, Chang YC, Liu MY.

Effects of sesame oil against after the onset of acetaminophen-induced acute hepatic injury in rats.

J Parenter Enteral Nutr 2010; 34: 567-73.

Chandrasekaran VR, Periasamy S, Liu LL, Liu MY.

17 $\beta$ -Estradiol protects against acetaminophen-overdose-induced acute oxidative hepatic damage and increases the survival rate in mice.

Steroids 2010; online early: doi:

10.1016/j.steroids.2010.09.008:

Craig DGN, Bates CM, Davidson JS, Martin KG, Hayes PC, Simpson J.

Overdose pattern and outcome in paracetamol-induced acute severe hepatotoxicity.

Br J Clin Pharmacol 2010; online early: doi: 10.1111/j.1365-2125.2010.03819.x:

Dear JW.

New marker for paracetamol poisoning - revolution or evolution?

Clin Toxicol 2010; 48: 785-6.

Demirbas S, Cakir E, Akgul EO, Seyrek M, Cayci T, Kurt YG, Uysal B, Aydin I, Kurt B, Yaman H, Erbil MK.

Elevated serum neopterin levels in acetaminophen-induced liver injury.

Environ Toxicol Pharmacol 2010; online early:

doi:10.1016/j.etap.2010.10.003:

Flores-Perez C, Chavez-Pacheco JL, Ramirez-Mendiola B, Alemon-Medina R, Garcia-Alvarez R, Juarez-Olguin H, Flores-Perez J.

A reliable method of liquid chromatography for the quantification of acetaminophen and identification of its toxic metabolite N-acetyl-p-benzoquinoneimine for application in pediatric studies.

Biomed Chromatogr 2010; early online: PM:20878659:

Green TJ, Sivilotti ML, Langmann C, Yarema M, Juurlink D, Burns MJ, Johnson DW.

When do the aminotransferases rise after acute acetaminophen overdose?

Clin Toxicol 2010; 48: 787-92.

Kelava T, Cavar I, Culo F.

Influence of small doses of various drug vehicles on acetaminophen-induced liver injury.

Can J Physiol Pharmacol 2010; 88: 960-7.

Kienhuis AS, Bessems JG, Pennings JL, Driessen M, Luijten M, van Delft JH, Peijnenburg AA, der Ven LT.

Application of toxicogenomics in hepatic systems toxicology for risk assessment: acetaminophen as a case study.

Toxicol Appl Pharmacol 2010; online early: doi

10.1016/j.taap.2010.10.013:

Laing WJ, Lupton DJ, Veiraiah A, Bateman DN.

Legislation and acetaminophen overdose in a UK hospital 2000-2008. Abstract of the 2010 North American Congress of Clinical Toxicology Annual Meeting, October 7-12, 2010. Denver, CO, USA.

Clin Toxicol 2010; 48: 605.

Livshits Z, Hoffman RS.

Comment: a population study of the frequency of high-dose acetaminophen prescribing and dispensing.

Ann Pharmacother 2010; online early: doi:

10.1345/aph.1P012a:

Morsy MA, Ibrahim SA, Abdelwahab SA, Zedan MZ, Elbitar HI.

Curative effects of hydrogen sulfide against acetaminophen-induced hepatotoxicity in mice.

Life Sci 2010; online early: doi: 10.1016/j.lfs.2010.10.004:

## Paracetamol (acetaminophen)

Vogel J, Heard KJ, Carlson C, Lange C, Mitchell G. Dental pain as a risk factor for accidental acetaminophen overdose: a case-control study. *Am J Emerg Med* 2010; online early: doi: 10.1016/j.ajem.2010.08.006:

Wananukul W, Klaikleun S, Sriapha C, Tongpoo A. Effect of activated charcoal in reducing paracetamol absorption at a supra-therapeutic dose. *J Med Assoc Thai* 2010; 93: 1145-9.

Whyte AJ, Kehrl T, Brooks DE, Katz KD, Sokolowski D. Safety and effectiveness of acetadote for acetaminophen toxicity. *J Emerg Med* 2010; 39: 607-11.

Ytrebo LM, Klepstad P. Intensivbehandling av voksne med leversvikt. [Intensive care of patients with acute liver failure]. In Norwegian with English abstract. *Tidsskr Nor Laegeforen* 2010; 130: 1609-13.

## Pethidine

Wang X, Xiang Z, Cai X, Wu H, Wang X, Li J, Zhang M. Determination of pethidine in human plasma by LC-MS/MS. *Biomed Chromatogr* 2010; online early: PM:20872940:

## Phenylephrine

Alpay A, Ermis B, Ugurbas SC, Battal F, Sagdik HM. The local vasoconstriction of infant's skin following instillation of mydriatic eye drops. *Eur J Clin Pharmacol* 2010; 66: 1161-4.

Engebretsen KM, Morgan MW, Stellpflug SJ, Cole JB, Anderson CP. Addition of phenylephrine to high-dose insulin in dihydropyridine overdose does not improve outcome. *Clin Toxicol* 2010; 48: 806-12.

## Phenytoin

Skinner CG, Chang AS, Matthews AR, Reedy SJ, Morgan BW. Randomized controlled study on the use of multiple-dose activated charcoal in patients with supratherapeutic phenytoin levels. Abstract of the 2010 North American Congress of Clinical Toxicology Annual Meeting, October 7-12, 2010. Denver, CO, USA. *Clin Toxicol* 2010; 48: 612.

## Propafenone

Alexoudis A, Spyridonidou A. Reversible QRS complex widening after oral administration of propafenone. *Emerg Med J* 2010; 27: 887-8.

## Propofol

Levy RJ. Clinical effects and lethal and forensic aspects of propofol. *J Forensic Med* 2010; online early: doi: 10.1111/j.1556-4029.2010.01583.x:

## Propranolol

Dean P, Ruddy JP, Marshall S. Intravenous lipid emulsion in propranolol overdose. *Anaesthesia* 2010; 65: 1148-50.

## Risperidone

Erdogan A, Karaman MG, Ozdemir E, Yurteri N, Tufan AE, Kurcer MA. Six months of treatment with risperidone may be associated with nonsignificant abnormalities of liver function tests in children and adolescents: a longitudinal, observational study from Turkey. *J Child Adolesc Psychopharmacol* 2010; 20: 407-13.

Suzuki Y, Ono S, Fukui N, Sugai T, Watanabe J, Tsuneyama N, Someya T.

Dose-dependent increase in the QTc interval in aripiprazole treatment after risperidone.

*Prog Neuropsychopharmacol Biol Psychiatry* 2010; online early: doi: 10.1016/j.pnpbp.2010.10.024:

## Salicylates

Glatstein M, Garcia-Bournissen F, Scolnik D, Rosenbloom E, Koren G.

Sudden-onset tachypnea and confusion in a previously healthy teenager.

*Ther Drug Monit* 2010; online early: doi: 10.1097/FTD.0b013e3181fa5936:

Karsbol JD, Jorgensen HL, Dalhoff K.

[Low mortality following salicylic poisoning.]. In Danish with English abstract.

*Ugeskr Laeger* 2010; 172: 2541-6.

Sastre J, García del Potro M, Aguado E, Fernández-Nieto M.

Occupational asthma due to 5-aminosalicylic acid.

*Occup Environ Med* 2010; 67: 798-9.

Wong OF, Fung HT, Lam T.

Case report of aspirin overdose: bezoar formation and controversies of multiple-dose activated charcoal in salicylate poisoning. *Hong Kong J Emerg Med* 2010; 17: 276-80.

## Sibutramine

Chen SPL, Tang MHY, Ng SW, Poon WT, Chan AYW, Mak TWL. Psychosis associated with usage of herbal slimming products adulterated with sibutramine: a case series. *Clin Toxicol* 2010; 48: 832-8.

## Substance abuse

Anon.

[Differential diagnosis of ethanol poisoning, alcohol withdrawal, and chronic alcoholic intoxication from the changes in neurons and macroglucocytes in the cerebral cortex]. In Russian with English abstract.

*Sud Med Ekspert* 2010; 53: 28-32.

Anon.

[The influence of acute alcohol intoxication on glycogen content in liver and skeletal muscle]. In Russian with English abstract.

*Patol Fiziol Eksp Ter* 2010; 15-7.

Abbott PJ.

Case management: ongoing evaluation of patients' needs in an opioid treatment program.

*Prof Case Manag* 2010; 15: 145-52.

Baggott MJ, Coyle JR, Erowid E, Erowid F, Robertson LC.

Abnormal visual experiences in individuals with histories of hallucinogen use: a web-based questionnaire.

*Drug Alcohol Depend* 2010; online early: doi:10.1016/j.drugalcdep.2010.09.006:

Baldacchino A, Crome IB, Zador D, McGarrol S, Taylor A, Hutchison S, Fahey T, Hickman M, Kidd B.

Recording of clinical information in a Scotland-wide drug deaths study.

*J Psychopharmacol* 2010; 24: 1289-98.

Barnett NP, Apodaca TR, Magill M, Colby SM, Gwaltney C, Rohsenow DJ, Monti PM.

Moderators and mediators of two brief interventions for alcohol in the emergency department.

*Addiction* 2010; 105: 452-65.

## Substance abuse

- Barroso M, Dias M, Vieira DN, Lopez-Rivadulla M, Queiroz JA. Mixed-mode solid-phase extraction for sample cleanup in hair analysis for methadone and its main metabolite. *Biomed Chromatogr* 2010; 24: 1240-6.
- Bedi G, Hyman D, De Wit H. Is ecstasy an "empathogen"? Effects of  $\pm$ 3,4-methylenedioxy-methamphetamine on prosocial feelings and identification of emotional states in others. *Biol Psychiatry* 2010; online early: doi: 10.1016/j.biopsych.2010.08.003:
- Breese GR, Sinha R, Heilig M. Chronic alcohol neuroadaptation and stress contribute to susceptibility for alcohol craving and relapse. *Pharmacol Ther* 2010; online early: doi:10.1016/j.pharmthera.2010.09.007:
- Burns L, Conroy E, Mattick RP. Main reasons for hospital admissions by women with a history of methadone maintenance. *Drug Alcohol Rev* 2010; 29: 669-75.
- Burns L, Conroy E, Mattick RP. Infant mortality among women on a methadone program during pregnancy. *Drug Alcohol Rev* 2010; 29: 551-6.
- Büttner A. The neuropathology of drug abuse. *Neuropathol Appl Neurobiol* 2010; online early: doi: 10.1111/j.1365-2990.2010.01131.x:
- Cerese A, Leonini S, Bellini M, Chianese G, Venturi C. Methadone-induced toxic leukoencephalopathy: diagnosis and follow-up by magnetic resonance imaging including diffusion-weighted imaging and apparent diffusion coefficient maps. *J Neuroimaging* 2010; online early: doi: 10.1111/j.1552-6569.2010.00530:
- Cohen DP, Unoh E, Barry H, O'Connor JJ. Codeine misuse among service users on a methadone treatment programme. *Ir J Med Sci* 2010; 179: 465.
- Comiskey CM, Cox G. Analysis of the impact of treatment setting on outcomes from methadone treatment. *J Subst Abuse Treat* 2010; 39: 195-201.
- Daghir E, Markuszewski MJ. Disposition of drugs of abuse and their metabolites in wastewater as a method of the estimation of drug consumption. *Curr Drug Metab* 2010; online early: PM:20942782:
- de Wit M, Jones DG, Sessler CN, Zilberberg MD, Weaver MF. Alcohol-use disorders in the critically ill patient. *Chest* 2010; 138: 994-1003.
- Dresen S, Ferreiros N, Putz M, Westphal F, Zimmermann R, Auwärter V. Monitoring of herbal mixtures potentially containing synthetic cannabinoids as psychoactive compounds. *J Mass Spectrom* 2010; 45: 1186-94.
- Edelev NS, Obukhova LM, Konov AS. [On the mechanisms of formation of the serum structural macroportrait in subjects suffering fatal intoxication with narcotic and potent substances]. In Russian with English abstract. *Sud Med Ekspert* 2010; 53: 22-5.
- Enteen L, Bauer J, McLean R, Wheeler E, Hurliaux E, Kral AH, Bamberger JD. Overdose prevention and naloxone prescription for opioid users in San Francisco. *J Urban Health* 2010; online early: doi: 10.1007/s11524-010-9495-8:
- Espitia-Hardeman V, Hungerford D, Hill HA, Betancourt CE, Villareal AN, Caycedo LD, Portillo C. Alcohol-associated injury visits to emergency departments in Pasto, Colombia in 2006. *Int J Inj Contr Saf Promot* 2010; 17: 129-33.
- Fareed A, Vayalapalli S, Casarella J, Amar R, Drexler K. Heroin anticraving medications: a systematic review. *Am J Drug Alcohol Abuse* 2010; 36: 332-41.
- Gadaga LL, Tagwirey D, Dzangare J, Nhachi CF. Acute oral toxicity and neurobehavioural toxicological effects of a hydroethanolic extract of *Boophone disticha* in rats. *Hum Exp Toxicol* 2010; online early: doi: 10.1177/0960327110384524:
- Gil A, Polikina O, Koroleva N, Leon DA, McKee M. Alcohol policy in a Russian region: a stakeholder analysis. *Eur J Public Health* 2010; 20: 588-94.
- Grunau BE, Wiens MO, Brubacher JR. Dantrolene in the treatment of MDMA-related hyperpyrexia: a systematic review. *CJEM* 2010; 12: 435-42.
- Gustafsson NK, Ramstedt MR. Changes in alcohol-related harm in Sweden after increasing alcohol import quotas and a Danish tax decrease - an interrupted time-series analysis for 2000-2007. *Int J Epidemiol* 2010; online early: doi: 10.1093/ije/dyq153:
- Hallak JEC, Dursun SM, Bosi DC, de Macedo LRH, de Sousa JPM, Abrão J, Crippa JAS, McGuire P, Krystal JH, Baker GB, Zuardi AW. The interplay of cannabinoid and NMDA glutamate receptor systems in humans: preliminary evidence of interactive effects of cannabidiol and ketamine in healthy human subjects. *Prog Neuropsychopharmacol Biol Psychiatry* 2010; online early: doi:10.1016/j.pnpbp.2010.11.002:
- Harrison C. Drug addiction: blocking cocaine-seeking behaviour. *Nat Rev Drug Discov* 2010; 9: 764-5.
- Hesse M, Tutenges S. Predictors of hangover during a week of heavy drinking on holiday. *Addiction* 2010; 105: 476-83.
- Huang HH, Bai YM. Persistent psychosis after ingestion a single tablet of '2C-B'. *Prog Neuropsychopharmacol Biol Psychiatry* 2010; online early: doi:10.1016/j.pnpbp.2010.10.018:
- Karinen R, Oiestad EL, Andresen W, Wethe G, Smith-Kielland A, Christophersen A. Comparison of ethanol and other drugs of abuse concentrations in whole blood stored in Venoject® glass and plastic and Venosafe® plastic evacuated tubes. *J Anal Toxicol* 2010; 34: 420-8.
- Kasem M, Sayasneh A, Matta N. Maternal use of methadone and neonatal thrombocytosis. *Internet J Pediatr Neonatol* 2010; 11: 1.

## Substance abuse

Keaney F, Gossop M, Dimech A, Guerrini I, Butterworth M, Al-Hassani H, Morinan A.

Physical health problems among patients seeking treatment for substance use disorders: a comparison of drug dependent and alcohol dependent patients.

J Subst Use 2010; online early: doi: 10.3109/14659890903580474: 1-11.

Kenerson KL, Lear-Kaul KC.

Ingestion of drugs by "parachuting": a unique drug delivery technique.

Am J Forensic Med Pathol 2010; online early: doi: 10.1097/PAF.0b013e3181f69ccc:

Khan AJ, Sharma A, Choudhuri G, Parmar D.

Induction of blood lymphocyte cytochrome P450 2E1 in early stage alcoholic liver cirrhosis.

Alcohol 2010; online early: doi:10.1016/j.alcohol.2010.08.007: 1-7.

Levin KH, Copersino ML, Heishman SJ, Liu F, Kelly DL, Boggs DL, Gorelick DA.

Cannabis withdrawal symptoms in non-treatment-seeking adult cannabis smokers.

Drug Alcohol Depend 2010; 111: 120-7.

Ling W, Casadonte P, Bigelow G, Kampman KM, Patkar A, Bailey GL, Rosenthal RN, Beebe KL.

Buprenorphine implants for treatment of opioid dependence: a randomized controlled trial.

JAMA 2010; 304: 1576-83.

Liu AJ, Nanan R.

Maternal methadone dose at delivery and neonatal abstinence syndrome.

J Pediatr 2010; online early: doi: 10.1016/j.jpeds.2010.08.047:

Lutz UC, Batra A.

Diagnostik und Therapie des Alkoholentzugssyndroms: Fokus auf Delirium tremens und Entzugskrampfanfall. [Diagnostics and therapy of alcohol withdrawal syndrome: focus on delirium tremens and withdrawal seizure]. In German with English abstract.

Psychiatr Prax 2010; 37: 271-8.

Maldonado JR.

An approach to the patient with substance use and abuse.

Med Clin North Am 2010; 94: 1169-205.

Maremmani I, Gerra G.

Buprenorphine-based regimens and methadone for the medical management of opioid dependence: selecting the appropriate drug for treatment.

Am J Addict 2010; 19: 557-68.

Martinotti G, Reina D, Di Nicola M, Andreoli S, Tedeschi D, Ortolani I, Pozzi G, Iannoni E, D'Iddio S, Janiri L.

Acetyl-L-carnitine for alcohol craving and relapse prevention in anhedonic alcoholics: a randomized, double-blind, placebo-controlled pilot trial.

Alcohol Alcohol 2010; 45: 449-55.

McGloughlin S, Castle E, Coulter C, Fraser JF.

The risks of diverted take-home methadone.

Aust N Z J Public Health 2010; 34: 93-4.

McKenny M, O'Beirne S, Fagan C, O'Connell M.

Alcohol-related admissions to an intensive care unit in Dublin.

Ir J Med Sci 2010; 179: 405-8.

Mégarbane B, Vodovar D, Baud FJ.

Fatalities in relation to buprenorphine snorting and ethanol co-ingestion: mechanisms of toxicity.

Forensic Sci Int 2010; online early: doi 10.1016/j.forsciint.2010.09.014:

Milligan K, Niccols A, Sword W, Thabane L, Henderson J, Smith A, Liu J.

Maternal substance use and integrated treatment programs for women with substance abuse issues and their children: a meta-analysis.

Subst Abuse Treat Prev Policy 2010; 5: 21.

Milloy MJ, Wood E, Reading C, Kane D, Montaner J, Kerr T.

Elevated overdose mortality rates among first nations individuals in a Canadian setting: a population-based analysis.

Addiction 2010; 105: 1962-70.

Moller LF, Matic S, van den Bergh BJ, Moloney K, Hayton P, Gatherer A.

Acute drug-related mortality of people recently released from prisons.

Public Health 2010; online early: doi: 10.1016/j.puhe.2010.08.012:

Morgan CJ, Schafer G, Freeman TP, Curran HV.

Impact of cannabidiol on the acute memory and psychotomimetic effects of smoked cannabis: naturalistic study.

Br J Psychiatry 2010; 197: 285-90.

Morley KC, Teesson M, Sannibale C, Baillie A, Haber PS.

Clinical predictors of outcome from an Australian pharmacological relapse prevention trial.

Alcohol Alcohol 2010; online early: doi:10.1093/alcalc/agq068:

Morris K.

Drug crime and criminalisation threaten progress on MDGs.

Lancet 2010; 376: 1131-2.

Mrazova K, Navratil T, Pelcova D.

Use and accidental exposure to hallucinogenic agents reported to the Czech toxicological information centre from 1995 to 2008.

Subst Use Misuse 2010; online early: doi: 10.3109/10826084.2010.527418:

Nair EL, Cienkowski KM, Michaelides E.

The impact of sudden hearing loss secondary to heroin overdose on fitting outcomes.

Am J Audiol 2010; online early: doi 10.1044/1059-0889(2010/09-0020):

Nutt DJ, King LA, Phillips LD.

Drug harms in the UK: a multicriteria decision analysis.

Lancet 2010; 376: 1558-65.

Nzerue CM, Carew K, Faulkner M, Torrente S, Fleming M.

Spontaneous perinephric haemorrhage and acute renal failure in pregnancy due to cocaine intoxication.

NDT Plus 2010; 3: 265-8.

O'Connor PG.

Advances in the treatment of opioid dependence: continued progress and ongoing challenges.

JAMA 2010; 304: 1612-4.

Oliveto A, Poling J, Mancino MJ, Feldman Z, Cubells JF, Pruzinsky R, Gonsai K, Cargile C, Sofuoglu M, Chopra MP, Gonzalez-Haddad G, Carroll KM, Kosten TR.

Randomized, double blind, placebo-controlled trial of disulfiram for the treatment of cocaine dependence in methadone-stabilized patients.

Drug Alcohol Depend 2010; online early: doi: 10.1016/j.drugalcdep.2010.07.022:

## Substance abuse

Papoutsis II, Nikolaou PD, Athanaselis SA, Pistos CM, Spiliopoulou CA, Maravelias CP.

Development and validation of a highly sensitive GC/MS method for the determination of buprenorphine and nor-buprenorphine in blood.

J Pharm Biomed Anal 2010; online early: doi: 10.1016/j.jpba.2010.09.023:

Pigolkin II, Dolzhanskii OV.

[Comparative characteristic of morphological changes in brain during acute hemorrhage in drug intoxicated subjects and non-drug users]. In Russian with English abstract.

Sud Med Ekspert 2010; 53: 4-6.

Pinto H, Maskrey V, Swift L, Rumball D, Wagle A, Holland R.

The SUMMIT trial: a field comparison of buprenorphine versus methadone maintenance treatment.

J Subst Abuse Treat 2010; 39: 340-52.

Racz J, Melles K, Marvanykovi F, Vadasz V.

[Monitoring and evaluation of the Hungarian methadone maintenance programmes]. In Hungarian with English abstract.

Psychiatr Hung 2010; 25: 202-20.

Radenkova-Saeva J, Kostadinova R, Michova A, Petrunov B.

Pulmonary complications related to heroin overdose and some changes in immune reactivity.

Cent Eur J Med 2010; 5: 508-12.

Ronel N, Gueta K, Abramsohn Y, Caspi N, Adelson M.

Can a 12-step program work in methadone maintenance treatment?

Int J Offender Ther Comp Criminol 2010; online early: doi: 10.1177/0306624X10382570:

Room R.

Prohibition of cannabis.

Br Med J 2010; 341: 744.

Rosenberg M, Frey N.

Kardiomyopathie alkoholische. [Alcoholic cardiomyopathy]. In German with English abstract.

Kardiologie 2010; 4: 55-63.

Sarff M, Gold JA.

Alcohol withdrawal syndromes in the intensive care unit.

Crit Care Med 2010; 38: S494-S501.

Sharkey KM, Kurth ME, Anderson BJ, Corso RP, Millman RP, Stein MD.

Assessing sleep in opioid dependence: a comparison of subjective ratings, sleep diaries, and home polysomnography in methadone maintenance patients.

Drug Alcohol Depend 2010; online early: doi: 10.1016/j.drugalcdep.2010.08.007: 1-4.

Shen HW, Jiang XL, Winter JC, Yu AM.

Psychedelic 5-methoxy-N,N-dimethyltryptamine: metabolism, pharmacokinetics, drug interactions, and pharmacological actions.

Curr Drug Metab 2010; online early: PM:20942780:

Simonsen KW, Normann PT, Ceder G, Vuori E, Thordardottir S, Thelander G, Hansen AC, Teige B, Rollmann D.

Fatal poisoning in drug addicts in the Nordic countries in 2007.

Forensic Sci Int 2010; online early: doi:10.1016/j.forciint.2010.10.001:

Stefanidou M, Athanaselis S, Spiliopoulou C, Dona A, Maravelias C.

Biomarkers of opiate use.

Int J Clin Pract 2010; 64: 1712-8.

Stickel F, Seitz HK.

Alcoholic steatohepatitis.

Best Pract Res Clin Gastroenterol 2010; 24: 683-93.

Stone JM, Morrison PD, Nottage J, Bhattacharyya S, Feilding A, McGuire PK.

Delta-9-tetrahydrocannabinol disruption of time perception and of self-timed actions.

Pharmacopsychiatry 2010; 43: 236-7.

Strano-Rossi S, Cadwallader AB, De la Torre X, Botre F.

Toxicological determination and in vitro metabolism of the designer drug methylenedioxypyrovalerone (MPDV) by gas chromatography/mass spectrometry and liquid chromatography/quadrupole time-of-flight mass spectrometry.

Rapid Commun Mass Spectrom 2010; 24: 2706-14.

Szaflarski M, Cubbins LA, Ying J.

Epidemiology of alcohol abuse among US immigrant populations.

J Immigr Minor Health 2010; online early: doi:

10.1007/s10903-010-9394-9:

Talarowska M, Ostrycharczyk K, Florkowski A, Jurczyk AP, Galecki P.

[The risk of death following the consumption of ethanol based on forensic research material]. In Polish with English abstract.

Pol Merkuriusz Lek 2010; 29: 100-2.

Thajam D, Atkinson DE, Sibley CP, Lavender T.

Is neonatal abstinence syndrome related to the amount of opiate used?

J Obstet Gynecol Neonatal Nurs 2010; 39: 503-9.

van Amsterdam J, Van den Brink W.

Ranking of drugs: a more balanced risk-assessment.

Lancet 2010; 376: 1524-5.

Vignal-Clermont C, Audo I, Sahel JA, Paques M.

Poppers-associated retinal toxicity.

N Engl J Med 2010; 363: 1583-5.

Wang TC, Kyriacou DN, Wolf MS.

Effects of an intervention brochure on emergency department patients' safe alcohol use and knowledge.

J Emerg Med 2010; 39: 561-8.

Winstock A, Mitcheson L, Marsden J.

Mephedrone: still available and twice the price.

Lancet 2010; 376: 1537.

Winstock AR, Lintzeris N, Lea T.

"Should I stay or should I go?" Coming off methadone and buprenorphine treatment.

Int J Drug Policy 2010; online early: doi:

10.1016/j.drugpo.2010.08.001:

Xue L, Ko MC, Tong M, Yang W, Hou S, Fang L, Liu J, Zheng F, Woods JH, Tai HH, Zhan CG.

Design, preparation and characterization of high-activity mutants of human butyrylcholinesterase specific for detoxification of cocaine.

Mol Pharmacol 2010; online early: doi:

10.1124/mol.110.068494:

Young AM, Havens JR, Leukefeld CG.

Route of administration for illicit prescription opioids: a comparison of rural and urban drug users.

Harm Reduct J 2010; 7: 24.

Zimmermann-Baer U, Notzli U, Rentsch K, Bucher HU.

Finnegan neonatal abstinence scoring system: normal values for first 3 days and weeks 5-6 in non-addicted infants.

Addiction 2010; 105: 524-8.

## Topiramate

Tosun AF, Cecen RE, Aral YZ, Erisen S.  
Pediatric case report of topiramate toxicity.  
*Turk Klinikleri Pediatr* 2010; 19: 227-30.

## Tramadol

Iravani FS, Akhgari M, Jokar F, Bahmanabadi L.  
Current trends in tramadol-related fatalities, Tehran, Iran 2005-2008.  
*Subst Use Misuse* 2010; 45: 2162-71.

## Tricyclic antidepressants

Kapadia KJ, Al-Duaij N, Ganetsky M, Burke L, Horn E, Rosen C.  
Case series of severe TCA toxicity treated with intravenous fat emulsion. Abstract of the 2010 North American Congress of Clinical Toxicology Annual Meeting, October 7-12, 2010. Denver, CO, USA.  
*Clin Toxicol* 2010; 48: 612.

## Valproate

Vajda F, O'Brien T.  
Valproic acid use in pregnancy and congenital malformations.  
*N Engl J Med* 2010; 363: 1771-2.

## Vancomycin

Lemaire M, Connolly B, Harvey E, Licht C.  
Treatment of paediatric vancomycin intoxication: a case report and review of the literature.  
*NDT Plus* 2010; 3: 260-4.

## Verapamil

Chytil L, Strauch B, Cvacka J, Maresova V, Widimsky J, Jr., Holaj R, Slanar O.  
Determination of doxazosin and verapamil in human serum by fast LC-MS/MS: Application to document non-compliance of patients.  
*J Chromatogr B Analyt Technol Biomed Life Sci* 2010; 878: 3167-73.

## Warfarin

Tseng C-Y, Fan J-S, Yang S-C, Huang H-H, Chen J-D, Yen D-H, Huang C-I.  
Anticoagulant-induced intramural intestinal hemorrhage.  
*Am J Emerg Med* 2010; 28: 937-40.

## Zopiclone

Nilsson GH, Kugelberg FC, Ahlner J, Kronstrand R.  
Influence of pre-analytical conditions on the interpretation of zopiclone concentrations in whole blood.  
*Forensic Sci Int* 2010; online early: doi: 10.1016/j.forsciint.2010.08.016:

## CHEMICAL INCIDENTS AND POLLUTION

### Air pollution

#### General

Absalon D, Slesak B.  
The effects of changes in cadmium and lead air pollution on cancer incidence in children.  
*Sci Total Environ* 2010; 408: 4420-8.

Alver K, Meyer HE, Falch JA, Sogaard AJ.  
Outdoor air pollution, bone density and self-reported forearm fracture: the Oslo Health Study.  
*Osteoporosis International* 2010; 21: 1751-60.

Amiot N, Tillon J, Viacroze C, Aouine H, Muir JF.  
[Consequences of atmospheric pollution fluctuations in patients with COPD]. In French with English abstract.  
*Rev Mal Respir* 2010; 27: 907-12.

Chang EE, Wei-Chi W, Li-Xuan Z, Hung-Lung C.  
Health risk assessment of exposure to selected volatile organic compounds emitted from an integrated iron and steel plant.  
*Inhal Toxicol* 2010; online early: doi: 10.3109/08958378.2010.507636: 1-9.

Cra AC, Degryse J, Van Den Akker M, Dinant G-J, Manolovici C, Buntinx F.  
Impact of early childhood air pollution on respiratory status of school children.  
*Eur J Gen Pract* 2010; 16: 133-8.

Davoodi G, Sharif AY, Kazemisaied A, Sadeghian S, Farahani AV, Sheikhvatan M, Pashang M.  
Comparison of heart rate variability and cardiac arrhythmias in polluted and clean air episodes in healthy individuals.  
*Environ Health Prev Med* 2010; 15: 217-21.

Eitan O, Yuval, Barchana M, Dubnov J, Linn S, Carmel Y, Broday DM.  
Spatial analysis of air pollution and cancer incidence rates in Haifa Bay, Israel.  
*Sci Total Environ* 2010; 408: 4429-39.

Fischer PH, Marra M, Ameling CB, Janssen N, Cassee FR.  
Trends in relative risk estimates for the association between air pollution and mortality in The Netherlands, 1992-2006.  
*Environ Res* 2010; online early: doi: 10.1016/j.envres.2010.09.010 [:

Gent JF, Bell ML.  
Air pollution, population vulnerability, and standards for ambient air quality.  
*Am J Respir Crit Care Med* 2010; 182: 296-7.

He Q-Q, Wong TW, Du L, Jiang Z-Q, Gao Y, Qiu H, Liu W-J, Wu J-G, Wong A, Yu T-S.  
Effects of ambient air pollution on lung function growth in Chinese schoolchildren.  
*Respir Med* 2010; 104: 1512-20.

Kipen H, Rich D, Huang W, Zhu T, Wang G, Hu M, Lu S-E, Ohman-Strickland P, Zhu P, Wang Y, Zhang J.  
Measurement of inflammation and oxidative stress following drastic changes in air pollution during the Beijing Olympics: a panel study approach.  
*Ann N Y Acad Sci* 2010; 1203: 160-7.

Lankarani NB, Kreis I, Griffiths DA.  
Air pollution effects on peak expiratory flow rate in children.  
*Iran J Allergy Asthma Immunol* 2010; 9: 117-26.

Strickland MJ, Darrow LA, Klein M, Flanders WD, Sarnat JA, Waller LA, Sarnat SE, Mulholland JA, Tolbert PE.  
Short-term associations between ambient air pollutants and pediatric asthma emergency department visits.  
*Am J Respir Crit Care Med* 2010; 182: 307-16.

#### Carbon monoxide

Anon.  
Acute carbon monoxide toxicity.  
*Nursing* 2010; 40: 43-4.

Boone M, Sini V, Dupuy D, Le Page L, Godefroy O, Krystkowiak P.  
Des troubles neurologiques persistants. [Persistent neurological disturbances]. In French.  
*Rev Med Interne* 2010; 31: 643-4.

Celikdemir A, Gokel Y, Guvenc B, Tekinturan F.  
Treatment of acute carbon-monoxide poisoning with therapeutic erythrocytapheresis: clinical effects and results in 17 victims.  
*Transfus Apher Sci* 2010; online early: PM:20974550:

### **Carbon monoxide**

Laing C.

Acute carbon monoxide toxicity: the hidden illness you may miss. *Nursing* 2010; online early: doi: 10.1097/01.NURSE.0000389019.95641.5d:

Sheikhazadi A, Saberi Anary SH, Ghadyani MH.

Non-fire carbon monoxide-related deaths: a survey in Tehran, Iran (2002-2006).

*Am J Forensic Med Pathol* 2010; online early: PM:20890171:

### **Exhaust fumes**

Kerkhof M, Postma DS, Brunekreef B, Reijmerink NE, Wijga AH, De Jongste JC, Gehring U, Koppelman GH.

Toll-like receptor 2 and 4 genes influence susceptibility to adverse effects of traffic-related air pollution on childhood asthma.

*Thorax* 2010; 65: 690-7.

Kramer U, Herder C, Sugiri D, Strassburger K, Schikowski T, Ranft U, Rathmann W.

Traffic-related air pollution and incident type 2 diabetes: results from the SALIA cohort study.

*Environ Health Perspect* 2010; 118: 1273-9.

Laumbach RJ, Kipen HM.

Acute effects of motor vehicle traffic-related air pollution exposures on measures of oxidative stress in human airways.

*Ann N Y Acad Sci* 2010; 1203: 107-12.

Patel MM, Chillrud SN, Correa JC, Hazi Y, Feinberg M, Deepti K, Prakash S, Ross JM, Levy D, Kinney PL.

Traffic-related particulate matter and acute respiratory symptoms among New York City area adolescents.

*Environ Health Perspect* 2010; 118: 1338-43.

Safak AA, Arbak P, Yazici B, Bilgin C, Erdogmus B, Annakkaya AN, Ozsahin SL.

Bronchial wall thickness in toll collectors.

*Ind Health* 2010; 48: 317-23.

### **Ozone**

Anenberg SC, Horowitz LW, Tong DQ, West JJ.

An estimate of the global burden of anthropogenic ozone and fine particulate matter on premature human mortality using atmospheric modeling.

*Environ Health Perspect* 2010; 118: 1189-95.

Stafoggia M, Forastiere F, Faustini A, Biggeri A, Bisanti L, Cadum E, Cernigliaro A, Mallone S, Pandolfi P, Serinelli M, Tessari R, Vigotti MA, Perucci CA, EpiAir Group.

Susceptibility factors to ozone-related mortality: a population-based case-crossover analysis.

*Am J Respir Crit Care Med* 2010; 182: 376-84.

### **PM10**

Anenberg SC, Horowitz LW, Tong DQ, West JJ.

An estimate of the global burden of anthropogenic ozone and fine particulate matter on premature human mortality using atmospheric modeling.

*Environ Health Perspect* 2010; 118: 1189-95.

Brook RD, Rajagopalan S.

Particulate matter air pollution and atherosclerosis.

*Curr Atheroscler Rep* 2010; 12: 291-300.

Guo Y, Tong S, Zhang Y, Barnett AG, Jia Y, Pan X.

The relationship between particulate air pollution and emergency hospital visits for hypertension in Beijing, China.

*Sci Total Environ* 2010; 408: 4446-50.

Hertel S, Viehmann A, Moebus S, Mann K, Brocker-Preuss M, Mohlenkamp S, Nonnemacher M, Erbel R, Jakobs H, Memmesheimer M, Jockel K-H, Hoffmann B.

Influence of short-term exposure to ultrafine and fine particles on systemic inflammation.

*Eur J Epidemiol* 2010; 25: 581-92.

Hou L, Zhu Z-Z, Zhang X, Nordio F, Bonzini M, Schwartz J, Hoxha M, Dioni L, Marinelli B, Pegoraro V, Apostoli P, Bertazzi PA, Baccarelli A.

Airborne particulate matter and mitochondrial damage: a cross-sectional study.

*Environ Health* 2010; 9: 1476.

Perin PM, Maluf M, Czeresnia CE, Januario DANF, Saldiva PHN.

Impact of short-term preconceptional exposure to particulate air pollution on treatment outcome in couples undergoing in vitro fertilization and embryo transfer (IVF/ET).

*J Assist Reprod Genet* 2010; 27: 371-82.

Rich DQ, Kipen HM, Zhang J, Kamat L, Wilson AC, Kostis JB.

Triggering of transmural infarctions, but not nontransmural infarctions, by ambient fine particles.

*Environ Health Perspect* 2010; 118: 1229-34.

Sacks JD, Stanek LW, Luben TJ, Johns DO, Buckley BJ, Brown JS, Ross M.

Particulate matter induced health effects: who's susceptible?

*Environ Health Perspect* 2010; online early: doi 10.1289/ehp.1002255:

### **Smoke**

Dennekamp M, Abramson MJ.

The effects of bushfire smoke on respiratory health.

*Respirology* 2010; online early: doi: 10.1111/j.1440-1843.2010.01868.x:

### **Sulphur dioxide**

Longo BM, Yang W, Green JB, Crosby FL, Crosby VL.

Acute health effects associated with exposure to volcanic air pollution (VOG) from increased activity at Kilauea volcano in 2008.

*J Toxicol Environ Health A* 2010; 73: 1370-81.

### **Chemical incidents**

Ingrassia PL, Prato F, Geddo A, Colombo D, Tengattini M, Calligaro S, La Mura F, Franc JM, Della Corte F.

Evaluation of medical management during a mass casualty incident exercise: an objective assessment tool to enhance direct observation.

*J Emerg Med* 2010; 39: 629-36.

Ishikawa Y.

[Response of the Tokyo fire department to hydrogen sulfide poisoning incidents caused by detergents and other household chemicals]. In Japanese.

*Chudoku Kenkyu* 2010; 23: 206-11.

Kennedy MS.

Another tragedy on the Gulf Coast.

*Am J Nurs* 2010; 110: 7.

Lehman-Huskamp K, Rebmann T, Walter FG, Weber J, Scalzo A. Disaster preparedness education and a Midwest Regional Poison Center.

*Am J Disaster Med* 2010; 5: 229-36.

McCauley LA.

Environments and health: will the BP oil spill affect our health?

*Am J Nurs* 2010; 110: 54-6.

## Chemical incidents

Messeguer A.

Potential implication of aniline derivatives in the Toxic Oil Syndrome (TOS).

Chem Biol Interact 2010; online early: doi: 10.1016/j.cbi.2010.10.006:

Morgan BW, Skinner CG, Kleiman RJ, Geller RJ, Chang AS.

Review of multi-person exposure calls to a regional poison control center.

West J Med 2010; 11: 291-3.

Neuparth T, Moreira S, Santos MM, Reis-Henriques MA.

Hazardous and noxious substances (HNS) in the marine environment: prioritizing HNS that pose major risk in a European context.

Mar Pollut Bull 2010; online early: doi: 10.1016/j.marpolbul.2010.09.016:

## Pollution and hazardous waste

Axelsson G, Barregard L, Holmberg E, Sallsten G.

Cancer incidence in a petrochemical industry area in Sweden.

Sci Total Environ 2010; 408: 4482-7.

Ayres JG, Harrison RM, Nichols GL, Maynard RL, (eds)

Environmental medicine.

London: Hodder Arnold, 2010. 736 p.

Bader M, Goen T.

Biological monitoring and analytical toxicology in occupational and environmental medicine.

J Chromatogr B Analyt Technol Biomed Life Sci 2010; 878: 2465-2466

Basu N, Abare M, Buchanan S, Cryderman D, Nam DH, Sirkin S, Schmitt S, Hu H.

A combined ecological and epidemiologic investigation of metal exposures amongst indigenous peoples near the Marlin mine in Western Guatemala.

Sci Total Environ 2010; online early: doi: 10.1016/j.scitotenv.2010.09.041:

Bradberry S, Vale A.

Biotoxins and xenobiotics.

Chapter 23 *in* Environmental medicine, ed. by JG Ayres, RM Harrison, GL Nichols, & RL Maynard. 276-89. London: Hodder Arnold, 2010.

Bushnik T, Haines D, Levallois P, Levesque J, Van Oostdam J, Viau C.

Lead and bisphenol A concentrations in the Canadian population. Health Rep 2010; 21: 7-18.

Crighton EJ, Barwin L, Small I, Upshur R.

What have we learned? A review of the literature on children's health and the environment in the Aral Sea area.

Int J Public Health 2010; online early: PM:20976516:

Davis AP, King BL, Mockus S, Murphy CG, Saraceni-Richards C, Rosenstein M, Wieggers T, Mattingly CJ.

The Comparative Toxicogenomics Database: update 2011.

Nucleic Acids Res 2010; online early: doi: 10.1093/nar/gkq813:

Haynes EN, Heckel P, Ryan P, Roda S, Leung Y-K, Sebastian K, Succop P.

Environmental manganese exposure in residents living near a ferromanganese refinery in Southeast Ohio: a pilot study.

Neurotoxicology 2010; 31: 468-74.

Korfmacher KS.

Boundary networks and Rochester's "smart" lead law: the use of multidisciplinary information in a collaborative policy process.

New Solutions 2010; 20: 317-36.

Lee D-H, Steffes MW, Sjodin A, Jones RS, Needham LL, Jacobs DR, Jr.

Low dose of some persistent organic pollutants predicts type 2 diabetes: a nested case-control study.

Environ Health Perspect 2010; 118: 1235-42.

Marty MS, Carney EW, Rowlands JC.

Endocrine disruption: historical perspectives and its impact on the future of toxicology testing.

Toxicol Sci 2010; online early: PM:20974704:

Meggs WJ, Brewer KL.

Toxicant exposures and the obesity epidemic.

J Med Toxicol 2010; 6: 275.

Ni HG, Zeng H, Tao S, Zeng EY.

Environmental and human exposure to persistent halogenated compounds derived from e-waste in China.

Environ Toxicol Chem 2010; 29: 1237-47.

Raynor PC, Bartekova A, Griggs JG, Simcik MF, Adgate JL.

Airborne diazinon concentrations during and after outdoor spray application.

J Occup Environ Hyg 2010; 7: 506-15.

Sharpe RM.

Environmental/lifestyle effects on spermatogenesis.

Philos Trans R Soc Lond [Biol ] 2010; 365: 1697-712.

Sutton P, Giudice LC, Woodruff TJ.

Reproductive environmental health.

Curr Opin Obstet Gynecol 2010; online early: doi:

10.1097/GCO.0b013e3283404e59:

Vivier PM, Hauptman M, Weitzen SH, Bell S, Quilliam DN, Logan JR.

The important health impact of where a child lives: neighborhood characteristics and the burden of lead poisoning.

Matern Child Health J 2010; online early: doi 10.1007/s10995-010-0692-6:

## Water pollution

Caceres D, Werlinger F, Orellana M, Jara M, Rocha R, Alvarado S, Luis Q.

Polymorphism of glutathione s-transferase (GST) variants and its effect on distribution of urinary arsenic species in people exposed to low inorganic arsenic in tap water: an exploratory study.

Arch Environ Occup Health 2010; 65: 140-7.

Chen Y, Ahsan H, Slavkovich V, Peltier GL, Gluskin RT, Parvez F, Liu X, Graziano JH.

No association between arsenic exposure from drinking water and diabetes mellitus: a cross-sectional study in Bangladesh.

Environ Health Perspect 2010; 118: 1299-305.

Daghir E, Markuszewski MJ.

Disposition of drugs of abuse and their metabolites in wastewater as a method of the estimation of drug consumption.

Curr Drug Metab 2010; online early: PM:20942782:

Mazumder DN, Ghosh A, Majumdar KK, Ghosh N, Saha C, Mazumder RN.

Arsenic contamination of ground water and its health impact on population of district of Nadia, West Bengal, India.

Indian J Community Med 2010; 35: 331-8.

Roychowdhury T.

Groundwater arsenic contamination in one of the 107 arsenic-affected blocks in West Bengal, India: status, distribution, health effects and factors responsible for arsenic poisoning.

Int J Hyg Environ Health 2010; online early: doi:

10.1016/j.ijheh.2010.09.003:

## CHEMICALS

### General

Boogaard PJ, Hays SM, Aylward LL.

Human biomonitoring as a pragmatic tool to support health risk management of chemicals - examples under the EU REACH programme.

Regul Toxicol Pharmacol 2010; online early: doi: 10.1016/j.yrtph.2010.09.015:

Burns CJ, Bodner KM, Jammer BL, Collins JJ, Swaen GH.

Mortality surveillance of a US wide cohort of chemical industry workers.

J Occup Environ Med 2010; 52: 982-7.

De Luca C, Scordo G, Cesareo E, Raskovic D, Genovesi G, Korkina L.

Idiopathic environmental intolerances (IEI): from molecular epidemiology to molecular medicine.

Indian J Exp Biol 2010; 48: 625-35.

Feng L, Musto CJ, Kemling JW, Lim SH, Zhong W, Suslick KS.

Colorimetric sensor array for determination and identification of toxic industrial chemicals.

Anal Bioanal Chem 2010; 82: 9433-40.

Genuis SJ.

Sensitivity-related illness: the escalating pandemic of allergy, food intolerance and chemical sensitivity.

Sci Total Environ 2010; online early: doi: 10.1016/j.scitotenv.2010.08.047:

Hendrick DJ.

Recognition and surveillance of occupational asthma: a preventable illness with missed opportunities.

Br Med Bull 2010; 95: 175-92.

IPCS.

Environmental health criteria 240. Principles and methods for the risk assessment of chemicals in food.

Geneva: World Health Organization; Food and Agriculture Organization, 2009.

Kumar S, Mishra VV.

Review: Toxicants in reproductive fluid and in vitro fertilization (IVF) outcome.

Toxicol Ind Health 2010; 26: 505-11.

Nicholson PJ, Llewellyn D, English JS.

Evidence-based guidelines for the prevention, identification and management of occupational contact dermatitis and urticaria.

Contact Dermatitis 2010; 63: 177-86.

O'Shea SH, Schwarz J, Kosyk O, Ross PK, Ha MJ, Wright FA, Rusyn I.

In vitro screening for population variability in chemical toxicity.

Toxicol Sci 2010; online early: doi: 10.1093/toxsci/kfq322:

Prochazka M, Feychting M, Ahlbom A, Edwards CG, Nise G, Plato N, Schwartzbaum JA, Forssten UM.

Occupational exposures and risk of acoustic neuroma.

Occup Environ Med 2010; 67: 766-71.

Riviere JE, Brooks JD.

Predicting skin permeability from complex chemical mixtures: dependency of quantitative structure permeation relationships (QSPR) on biology of skin model used.

Toxicol Sci 2010; online early: doi: 10.1093/toxsci/kfq317:

Sharpe RM.

Environmental/lifestyle effects on spermatogenesis.

Philos Trans R Soc Lond [Biol ] 2010; 365: 1697-712.

Sturm S, Hammann F, Drewe J, Maurer HH, Scholer A.

An automated screening method for drugs and toxic compounds in human serum and urine using liquid chromatography-tandem mass spectrometry.

J Chromatogr B Analyt Technol Biomed Life Sci 2010; 878: 2726-32.

Usatine RP, Riojas M.

Diagnosis and management of contact dermatitis.

Am Fam Physician 2010; 82: 249-55.

### Alcohol (ethanol)

Anon.

[Differential diagnosis of ethanol poisoning, alcohol withdrawal, and chronic alcoholic intoxication from the changes in neurons and macroglyocytes in the cerebral cortex]. In Russian with English abstract.

Sud Med Ekspert 2010; 53: 28-32.

Anon.

[The influence of acute alcohol intoxication on glycogen content in liver and skeletal muscle]. In Russian with English abstract.

Patol Fiziol Eksp Ter 2010; 15-7.

Anderson BM, Stevens MC, Meda SA, Jordan K, Calhoun VD, Pearlson GD.

Functional imaging of cognitive control during acute alcohol intoxication.

J Clin Exp Neuropsychol 2010; online early: doi:

10.1111/j.1530-0277.2010.01332.x:

Bao L, Shi H.

Potential molecular mechanisms for combined toxicity of arsenic and alcohol.

J Inorg Biochem 2010; 104:1229-33

Barnett NP, Apodaca TR, Magill M, Colby SM, Gwaltney C, Rohsenow DJ, Monti PM.

Moderators and mediators of two brief interventions for alcohol in the emergency department.

Addiction 2010; 105: 452-65.

Breese GR, Sinha R, Heilig M.

Chronic alcohol neuroadaptation and stress contribute to susceptibility for alcohol craving and relapse.

Pharmacol Ther 2010; online early: doi:

10.1016/j.pharmthera.2010.09.007:

de Wit M, Jones DG, Sessler CN, Zilberberg MD, Weaver MF.

Alcohol-use disorders in the critically ill patient.

Chest 2010; 138: 994-1003.

Espitia-Hardeman V, Hungerford D, Hill HA, Betancourt CE, Villareal AN, Caycedo LD, Portillo C.

Alcohol-associated injury visits to emergency departments in Pasto, Colombia in 2006.

Int J Inj Contr Saf Promot 2010; 17: 129-33.

Forquer MR, Hashimoto JG, Roberts ML, Wiren KM.

Elevated testosterone in females reveals a robust sex difference in altered androgen levels during chronic alcohol withdrawal.

Alcohol 2010; online early: doi: 10.1016/j.alcohol.2010.08.013:

Gil A, Polikina O, Koroleva N, Leon DA, McKee M.

Alcohol policy in a Russian region: a stakeholder analysis.

Eur J Public Health 2010; 20: 588-94.

Guillot CR, Fanning JR, Bullock JS, McCloskey MS, Berman ME.

Effects of alcohol on tests of executive functioning in men and women: a dose response examination.

Exp Clin Psychopharmacol 2010; 18: 409-17.

## Alcohol (ethanol)

Gustafsson NK, Ramstedt MR.

Changes in alcohol-related harm in Sweden after increasing alcohol import quotas and a Danish tax decrease - an interrupted time-series analysis for 2000-2007.

Int J Epidemiol 2010; online early: doi: 10.1093/ije/dyq153:

Hesse M, Tutenges S.

Predictors of hangover during a week of heavy drinking on holiday. Addiction 2010; 105: 476-83.

Husain K, Ferder L, Ansari RA, Lalla J.

Chronic ethanol ingestion induces aortic inflammation/oxidative endothelial injury and hypertension in rats.

Hum Exp Toxicol 2010; online early: doi: 10.1177/0960327110384520:

Karinen R, Oiestad EL, Andresen W, Wethe G, Smith-Kielland A, Christophersen A.

Comparison of ethanol and other drugs of abuse concentrations in whole blood stored in Venoject® glass and plastic and Venosafe® plastic evacuated tubes.

J Anal Toxicol 2010; 34: 420-8.

Keaney F, Gossop M, Dimech A, Guerrini I, Butterworth M, Al-Hassani H, Morinan A.

Physical health problems among patients seeking treatment for substance use disorders: a comparison of drug dependent and alcohol dependent patients.

J Subst Use 2010; online early: doi: 10.3109/14659890903580474: 1-11.

Khan AJ, Sharma A, Choudhuri G, Parmar D.

Induction of blood lymphocyte cytochrome P450 2E1 in early stage alcoholic liver cirrhosis.

Alcohol 2010; online early: doi:10.1016/j.alcohol.2010.08.007: 1-7.

Kuhns JB, Wilson DB, Clodfelter TA, Maguire ER, Ainsworth SA. A meta-analysis of alcohol toxicology study findings among homicide victims.

Addiction 2010; online early: doi: 10.1111/j.1360-0443.2010.03153.x:

Livingston M, Matthews S, Barratt MJ, Lloyd B, Room R.

Diverging trends in alcohol consumption and alcohol-related harm in Victoria.

Aust N Z J Public Health 2010; 34: 368-73.

Lutz UC, Batra A.

Diagnostik und Therapie des Alkoholentzugssyndroms: Fokus auf Delirium tremens und Entzugskrampfanfall. [Diagnostics and therapy of alcohol withdrawal syndrome: focus on delirium tremens and withdrawal seizure]. In German with English abstract.

Psychiatr Prax 2010; 37: 271-8.

Magnusdottir K, Kristinsson J, Johannesson T.

[Adulterated alcoholic beverages.]. In Icelandic with English abstract.

Laeknabladid 2010; 96: 626-8.

Mahler SA, Pattani S, Standifer J, Caldito G, Conrad SA, Arnold TC.

Clinical sobriety assessment by emergency physicians in blunt trauma patients with acute alcohol exposure.

J Emerg Med 2010; 39: 685-90.

Martinotti G, Reina D, Di Nicola M, Andreoli S, Tedeschi D, Ortolani I, Pozzi G, Iannoni E, D'Iddio S, Janiri L.

Acetyl-L-carnitine for alcohol craving and relapse prevention in anhedonic alcoholics: a randomized, double-blind, placebo-controlled pilot trial.

Alcohol Alcohol 2010; 45: 449-55.

McKenny M, O'Beirne S, Fagan C, O'Connell M.

Alcohol-related admissions to an intensive care unit in Dublin.

Ir J Med Sci 2010; 179: 405-8.

Mégarbane B, Vodovar D, Baud FJ.

Fatalities in relation to buprenorphine snorting and ethanol co-ingestion: mechanisms of toxicity.

Forensic Sci Int 2010; online early: doi: 10.1016/j.forsciint.2010.09.014:

Morley KC, Teesson M, Sannibale C, Baillie A, Haber PS.

Clinical predictors of outcome from an Australian pharmacological relapse prevention trial.

Alcohol Alcohol 2010; online early: doi:10.1093/alcalc/agq068:

Poltavski DV, Marino JM, Guido JM, Kulland A, Petros TV.

Effects of acute alcohol intoxication on verbal memory in young men as a function of time of day.

Physiol Behav 2010; online early: doi: 10.1016/j.physbeh.2010.10.007:

Ranzer MJ, Chen L, Dipietro LA.

Fibroblast function and wound breaking strength is impaired by acute ethanol intoxication.

Alcohol Clin Exp Res 2010; online early: doi: 10.1111/j.1530-0277.2010.01324.x:

Rosenberg M, Frey N.

Kardiomyopathie alkoholische. [Alcoholic cardiomyopathy]. In German with English abstract.

Kardiologie 2010; 4: 55-63.

Sarff M, Gold JA.

Alcohol withdrawal syndromes in the intensive care unit.

Crit Care Med 2010; 38: S494-S501.

Spaanjaars NL, Spijkerman R, Engels RC.

Do smooth waters run deep? Alcohol intoxication and the effects of water consumption on driving-related cognitions and behavior.

Eur Addict Res 2010; 17: 21-8.

Stickel F, Seitz HK.

Alcoholic steatohepatitis.

Best Pract Res Clin Gastroenterol 2010; 24: 683-93.

Szaflarski M, Cubbins LA, Ying J.

Epidemiology of alcohol abuse among US immigrant populations.

J Immigr Minor Health 2010; online early: doi: 10.1007/s10903-010-9394-9:

Talarowska M, Ostrycharczyk K, Florkowski A, Jurczyk AP, Galecki P.

[The risk of death following the consumption of ethanol based on forensic research material]. In Polish with English abstract.

Pol Merkuriusz Lek 2010; 29: 100-2.

Uhrenholt L, Schumacher B, Freeman M.

[Medico-legal autopsy and testing for alcohol and drugs/medicine after traffic fatalities is not routinely conducted]. In Danish with English abstract.

Ugeskr Laeger 2010; 172: 2683-7.

Wang TC, Kyriacou DN, Wolf MS.

Effects of an intervention brochure on emergency department patients' safe alcohol use and knowledge.

J Emerg Med 2010; 39: 561-8.

Wolf G.

Tissue-specific increases in endogenous all-trans retinoic acid: possible contributing factor in ethanol toxicity.

Nutr Rev 2010; 68: 689-92.

## Alcohol (ethanol)

Yan Y, Yang JY, Mou YH, Wang LH, Zhang H, Wu CF.  
Possible metabolic pathways of ethanol responsible for oxidative DNA damage in human peripheral lymphocytes.  
*Alcohol Clin Exp Res* 2010; online early: doi: 10.1111/j.1530-0277.2010.01316.x:

## Acrylamide

Erkekoglu P, Baydar T.  
Toxicity of acrylamide and evaluation of its exposure in baby foods.  
*Nutr Res Rev* 2010; online early: doi: 10.1017/S0954422410000211: 1-11.

Vikström AC, Abramsson-Zetterberg L, Naruszewicz M, Athanassiadis I, Granath F, Törnqvist M.  
In vivo doses of acrylamide and glycidamide in humans after intake of acrylamide-rich food.  
*Toxicol Sci* 2010; online early: doi:10.1093/toxsci/kfq323:

## Aniline

Messeguer A.  
Potential implication of aniline derivatives in the Toxic Oil Syndrome (TOS).  
*Chem Biol Interact* 2010; online early: doi: 10.1016/j.cbi.2010.10.006:

## Barium chloride

Su Y-J, Kung C-T, Lee C-H, Wang I-K, Lee C-T, Chuang F-R.  
An industrial worker hospitalized with paralysis after an aerosolized chemical exposure.  
*Am J Kidney Dis* 2010; 56: A38-A41.

## Benzene

Galbraith D, Gross SA, Paustenbach D.  
Benzene and human health: a historical review and appraisal of associations with various diseases.  
*Crit Rev Toxicol* 2010; 40(S2): 1-46.

## Bisphenol A

Bushnik T, Haines D, Levallois P, Levesque J, Van Oostdam J, Viau C.  
Lead and bisphenol A concentrations in the Canadian population.  
*Health Rep* 2010; 21: 7-18.

Cantonwine D, Meeker JD, Hu H, Sanchez BN, Lamadrid-Figueroa H, Mercado-Garcia A, Fortenberry GZ, Calafat AM, Tellez-Rojo MM.  
Bisphenol A exposure in Mexico City and risk of prematurity: a pilot nested case control study.  
*Environ Health Prev Med* 2010; 9: 62.

Mendiola J, Jorgensen N, Andersson A, Calafat AM, Ye X, Redmon JB, Drobnis EZ, Wang C, Sparks A, Thurston SW, Liu F, Swan SH.  
Are environmental levels of bisphenol A associated with reproductive function in fertile men?  
*Environ Health Perspect* 2010; 118: 1286-91.

Salian S, Doshi T, Vanage G.  
Perinatal exposure of rats to bisphenol A affects fertility of male offspring - an overview.  
*Reprod Toxicol* 2010; online early: doi: 10.1016/j.reprotox.2010.10.008:

Shin BS, Hwang SW, Bulitta JB, Lee JB, Yang SD, Park JS, Kwon MC, Kim do J, Yoon HS, Yoo SD.  
Assessment of bisphenol A exposure in Korean pregnant women by physiologically based pharmacokinetic modeling.  
*J Toxicol Environ Health A* 2010; 73: 1586-98.

## Bitumen

Marczynski B, Raulf-Heimsoth M, Pesch B, Kendzia B, Kafferlein H, Vosshans B, Borowitzki G, Lee E-H, Bramer R, Bruning T.  
Detection of DNA strand breaks by comet assay in sputum leucocytes of bitumen-exposed workers: a pilot study.  
*Hum Exp Toxicol* 2010; 29: 721-9.

## Brominated diphenyl ethers

Ni HG, Zeng H, Tao S, Zeng EY.  
Environmental and human exposure to persistent halogenated compounds derived from e-waste in China.  
*Environ Toxicol Chem* 2010; 29: 1237-47.

## Corrosives

Chan HP, Maibach HI.  
Hair highlights and severe acute irritant dermatitis ("burn") of the scalp.  
*Cutan Ocul Toxicol* 2010; 29: 229-33.

Robinett DA, Shelton B, Dyer KS.  
Special considerations in hazardous materials burns.  
*J Emerg Med* 2010; 39: 544-53.

Roida S, Ait Sab I, Sbihi M.  
Ingestion de produit caustique chez l'enfant. [Caustic product ingestion in children]. In French with English abstract.  
*J Pediatr Pueric* 2010; 23: 179-84.

## Cosmetics

McKelvey W, Jeffery N, Clark N, Kass D, Parsons PJ.  
Population-based inorganic mercury biomonitoring and the identification of skin care products as a source of exposure in New York City.  
*Environ Health Perspect* 2010; online early: doi: 10.1289/ehp.1002396:

## Cyanuric acid

Choi L, Kwak MY, Kwak EH, Kim DH, Han EY, Roh T, Bae JY, Ahn IY, Jung JY, Kwon MJ, Jang DE, Lim SK, Kwack SJ, Han SY, Kang TS, Kim SH, Kim HS, Lee BM.  
Comparative nephrotoxicity induced by melamine, cyanuric acid, or a mixture of both chemicals in either Sprague-Dawley rats or renal cell lines.  
*J Toxicol Environ Health A* 2010; 73: 1407-19.

Panesar NS, Chan KW, Lo WS, Leung VHK, Ho CS.  
Co-contamination, but not mammalian cell conversion of melamine to cyanuric acid the likely cause of melamine-cyanurate nephrolithiasis.  
*Clin Chim Acta* 2010; 411: 1830-1.

Panuwet P, Wade EL, Nguyen JV, Montesano MA, Needham LL, Barr DB.  
Quantification of cyanuric acid residue in human urine using high performance liquid chromatography-tandem mass spectrometry.  
*J Chromatogr B Analyt Technol Biomed Life Sci* 2010; 878: 2916-22.

## Denture adhesive

Anon.  
Neuropathies due to denture adhesive overdose.  
*Prescrire Int* 2010; 19: 171.

## Dibutyl phthalate

Makris L, Euling SY, Gray LE, Jr., Benson R, Foster P.  
Use of genomic data in risk assessment. Case study: I. Evaluation of the dibutyl phthalate male reproductive development toxicity dataset.  
*Toxicol Appl Pharmacol* 2010; online early: doi: 10.1016/j.taap.2010.09.006:

## Dichloroacetate

Stacpoole PW.

The dichloroacetate dilemma: environmental hazard vs. therapeutic goldmine - both or neither?

Environ Health Perspect 2010; online early: doi: 10.1289/ehp.1002554:

## Diethylene glycol

Landry GM, Martin S, McMartin KE.

Investigating the metabolite responsible for the renal toxicity of diethylene glycol in vitro. Abstract of the 2010 North American Congress of Clinical Toxicology Annual Meeting, October 7-12, 2010. Denver, CO, USA.

Clin Toxicol 2010; 48: 619.

McMartin KE, Besenhofer LM, McLaren MC, Bartels M, Filary MJ, Perala AW.

The acidosis from diethylene glycol toxicity results from hydroxyethoxyacetic acid accumulation. Abstract of the 2010 North American Congress of Clinical Toxicology Annual Meeting, October 7-12, 2010. Denver, CO, USA.

Clin Toxicol 2010; 48: 652.

## Difluoroethane

Avella J, Kunaparaju N, Kumar S, Lehrer M, Zito SW, Barletta M. Uptake and distribution of the abused inhalant 1,1-difluoroethane in the rat.

J Anal Toxicol 2010; 34: 381-8.

## Dioxins

Goodman JE, Kerper LE, Boyce CP, Prueitt RL, Rhomberg LR.

Weight-of-evidence analysis of human exposures to dioxins and dioxin-like compounds and associations with thyroid hormone levels during early development.

Regul Toxicol Pharmacol 2010; 58: 79-99.

## Ethylene glycol

Carney EW, Tornesi B, Liberacki AB, Markham DA, Weitz KK, Luders TM, Studniski KG, Blessing JC, Gies RA, Corley RA.

The impact of dose-rate on ethylene glycol developmental toxicity and pharmacokinetics in pregnant CD rats.

Toxicol Sci 2010; online early: doi:10.1093/toxsci/kfq310:

Cornes MP, Ford C, Gama R.

The lactate gap revisited: variable interference with lactate analyses in ethylene glycol poisoning.

Br J Biomed Sci 2010; 67: 148-50.

Magnusdottir K, Kristinsson J, Johannesson T.

[Adulterated alcoholic beverages.]. In Icelandic with English abstract.

Laeknabladid 2010; 96: 626-8.

Muzaffar S.

'To treat or not to treat'. Kerrie Woollorton, lessons to learn.

Emerg Med J 2010; online early: doi:

10.1136/emj.2010.100750:

## Formaldehyde

Andersen ME, Clewell HJ, III, Bermudez E, Dodd DE, Willson GA, Campbell JL, Thomas RS.

Formaldehyde: integrating dosimetry, cytotoxicity and genomics to understand dose-dependent transitions for an endogenous compound.

Toxicol Sci 2010; online early: doi: 10.1093/toxsci/kfq303:

Kimura R, Kimoto I, Takeda M, Miyake M, Sakamoto T.

Alteration in airway microvascular leakage induced by sensorineural stimulation in rats exposed to inhaled formaldehyde.

Toxicol Lett 2010; online early:

doi:10.1016/j.toxlet.2010.09.007: 1-27.

## Fragrance compounds: farnesol

Gilpin S, Maibach H.

Allergic contact dermatitis caused by farnesol: clinical relevance.

Cutan Ocul Toxicol 2010; 29: 278-87.

## Hexamethylene diisocyanate

Cassidy LD, Molenaar DM, Hathaway JA, Feeley TM, Cummings BJ, Simpson P, Li SH.

Trends in pulmonary function and prevalence of asthma in hexamethylene diisocyanate workers during a 19-year period.

J Occup Environ Med 2010; 52: 988-94.

## Honey

Yorgun H, Ülgen A, Aytemir K.

A rare cause of junctional rhythm causing syncope; mad honey intoxication.

J Emerg Med 2010; 39: 656-6.

## Household products

Grundlingh J, Dargan P, Gokmen R, Nair R.

Sparkle lamp ingestion: a rare cause of death.

Clin Toxicol 2010; 48: 854-6.

Herrera Justiniano C.

Intoxicaciones por productos del hogar. [Poisonings from household products] In Spanish with English abstract.

Pediatr Integr 2010; 14: 385-95.

## Hydrofluoric acid

Burgher F, Mathieu L, Lati E, Gasser P, Peno-Mazzarino L, Blomet J, Hall AH, Maibach HI.

Part 2. Comparison of emergency washing solutions in 70% hydrofluoric acid-burned human skin in an established ex vivo explants model.

Cutan Ocul Toxicol 2010; online early: doi:

103109/15569527.2010.534748: 1-8.

Burgher F, Mathieu L, Lati E, Gasser P, Peno-Mazzarino L, Blomet J, Hall AH, Maibach HI.

Part 1. Experimental 70% hydrofluoric acid burns: histological observations in an established human skin explants ex vivo model.

Cutan Ocul Toxicol 2010; online early: doi:

10.3109/15569527.2010.533316:

## Hydrogen sulphide

Hirose Y.

[Clinical aspect of hydrogen sulfide poisoning]. In Japanese.

Chudoku Kenkyu 2010; 23: 212-6.

Hu LF, Lu M, Wong PT, Bian JS.

Hydrogen sulfide: neurophysiology and neuropathology.

Antioxid Redox Signal 2010; online early: doi:

10.1089/ars.2010.3517:

Ishikawa Y.

[Response of the Tokyo fire department to hydrogen sulfide poisoning incidents caused by detergents and other household chemicals]. In Japanese.

Chudoku Kenkyu 2010; 23: 206-11.

Kaoru I.

[Epidemiology of hydrogen sulfide poisoning in Japan]. In Japanese.

Chudoku Kenkyu 2010; 23: 199-205.

Maebashi K, Iwadate K, Sakai K, Takatsu A, Fukui K, Aoyagi M, Ochiai E, Nagai T.

Toxicological analysis of 17 autopsy cases of hydrogen sulfide poisoning resulting from the inhalation of intentionally generated hydrogen sulfide gas.

Forensic Sci Int 2010; online early: doi:

10.1016/j.forsciint.2010.09.008:

## Hydrogen sulphide

Yoshitome K.  
[The medicolegal aspect of hydrogen sulfide poisoning]. In Japanese.  
Chudoku Kenkyu 2010; 23: 217-21.

## Iodine

Crawford BA, Cowell CT, Emdler PJ, Learoyd DL, Chua EL, Sinn J, Jack MM.  
Iodine toxicity from soy milk and seaweed ingestion is associated with serious thyroid dysfunction.  
Med J Aust 2010; 193: 413-5.

## Kerosene (liquid paraffin)

Bader Un Nisa, Ashfaq M, Channa Y.  
Kerosene oil ingestion among children presenting to the emergency department of a tertiary care paediatric hospital.  
Pak Paediatr J 2010; 34: 65-9.

## Luminescent particles

Grundlingh J, Dargan P, Gokmen R, Nair R.  
Sparkle lamp ingestion: a rare cause of death.  
Clin Toxicol 2010; 48: 854-6.

## Melamine

Choi L, Kwak MY, Kwak EH, Kim DH, Han EY, Roh T, Bae JY, Ahn IY, Jung JY, Kwon MJ, Jang DE, Lim SK, Kwack SJ, Han SY, Kang TS, Kim SH, Kim HS, Lee BM.  
Comparative nephrotoxicity induced by melamine, cyanuric acid, or a mixture of both chemicals in either Sprague-Dawley rats or renal cell lines.  
J Toxicol Environ Health A 2010; 73: 1407-19.

Panesar NS, Chan KW, Lo WS, Leung VHK, Ho CS.  
Co-contamination, but not mammalian cell conversion of melamine to cyanuric acid the likely cause of melamine-cyanurate nephrolithiasis.  
Clin Chim Acta 2010; 411: 1830-1.

Panuwet P, Wade EL, Nguyen JV, Montesano MA, Needham LL, Barr DB.  
Quantification of cyanuric acid residue in human urine using high performance liquid chromatography-tandem mass spectrometry.  
J Chromatogr B Analyt Technol Biomed Life Sci 2010; 878: 2916-22.

## Methanol

Chen JM, Wang LX, Xia WT.  
[Advancement of methanol poisoning mechanism research]. In Chinese with English abstract.  
Fa Yi Xue Za Zhi 2010; 26: 294-6.

Magnusdottir K, Kristinsson J, Johannesson T.  
[Adulterated alcoholic beverages.]. In Icelandic with English abstract.  
Laeknabladid 2010; 96: 626-8.

Singh A, Samson R, Girdhar A.  
Portrait of a methanol-intoxicated brain.  
Am J Med 2010; online early: doi: 10.1016/j.amjmed.2010.09.001:

## Methanol

Sweeting JN, Siu M, Wiley MJ, Wells PG.  
Species- and strain-dependent teratogenicity of methanol in rabbits and mice.  
Reprod Toxicol 2010; online early: doi: 10.1016/j.reprotox.2010.09.014:

## Nanoparticles

Aschberger K, Johnston HJ, Stone V, Aitken RJ, Hankin SM, Peters SA, Tran CL, Christensen FM.  
Review of carbon nanotubes toxicity and exposure - appraisal of human health risk assessment based on open literature.  
Crit Rev Toxicol 2010; 40: 759-90.

Ema M, Kobayashi N, Naya M, Hanai S, Nakanishi J.  
Reproductive and developmental toxicity studies of manufactured nanomaterials.  
Reprod Toxicol 2010; 30: 343-52.

Rivera Gil P, Oberdorster G, Elder A, Puentes V, Parak WJ.  
Correlating physico-chemical with toxicological properties of nanoparticles: the present and the future.  
ACS Nano 2010; 4: 5527-31.

Sauer UG, Kneuer C, Tentschert J, Wachter T, Schroeder M, Butzke D, Luch A, Liebsch M, Grune B, Gotz ME.  
A knowledge-based search engine to navigate the information thicket of nanotoxicology.  
Regul Toxicol Pharmacol 2010; online early: doi: 10.1016/j.yrtph.2010.09.005:

Sharma M.  
Understanding the mechanism of toxicity of carbon nanoparticles in humans in the new millennium: a systemic review.  
Indian J Occup Environ Med 2010; 14: 3-5.

Sung JH, Ji JH, Song KS, Lee JH, Choi KH, Lee SH, Yu IJ.  
Acute inhalation toxicity of silver nanoparticles.  
Toxicol Ind Health 2010; online early: PM:20870693:

## Nitrous oxide

Poli D, Gagliano-Candela R, Strisciullo G, Colucci AP, Strada L, Laviola D, Goldoni M, Mutti A.  
Nitrous oxide determination in postmortem biological samples: a case of serial fatal poisoning in a public hospital.  
J Forensic Sci 2010; 55: 258-64.

## Oxybenzone

Fediuk DJ, Wang T, Raizman JE, Parkinson FE, Gu X.  
Tissue deposition of the insect repellent DEET and the sunscreen oxybenzone from repeated topical skin applications in rats.  
Int J Toxicol 2010; online early: doi: 10.1177/1091581810380147:

## Paint thinner

Argo A, Bongiorno D, Bonifacio A, Pernice V, Liotta R, Indelicato S, Zerbo S, Fleres P, Ceraulo L, Procaccianti P.  
A fatal case of a paint thinner ingestion: comparison between toxicological and histological findings.  
Am J Forensic Med Pathol 2010; 31: 186-91.

## Perfluoroalkyl derivatives

Gordon SC.  
Toxicological evaluation of ammonium 4,8-dioxa-3H-perfluorononanoate, a new emulsifier to replace ammonium perfluorooctanoate in fluoropolymer manufacturing.  
Regul Toxicol Pharmacol 2010; online early: doi: 10.1016/j.yrtph.2010.09.008:

## Petrochemicals

Axelsson G, Barregard L, Holmberg E, Sallsten G.  
Cancer incidence in a petrochemical industry area in Sweden.  
Sci Total Environ 2010; 408: 4482-7.

## Petrol (gasoline)

Fink K, Kuehnemund A, Schwab T, Geibel-Zehender A, Bley T, Bode C, Busch HJ.

Suicide attempt by intravenous injection of gasoline: a case report. *J Emerg Med* 2010; 39: 618-22.

Rekhadevi PV, Rahman MF, Mahboob M, Grover P.

Genotoxicity in filling station attendants exposed to petroleum hydrocarbons.

*Ann Occup Hyg* 2010; online early: doi: 10.1093/annhyg/meq065:

## Petroleum oils

Kennedy MS.

Another tragedy on the Gulf Coast.

*Am J Nurs* 2010; 110: 7.

McCauley LA.

Environments and health: will the BP oil spill affect our health?

*Am J Nurs* 2010; 110: 54-6.

Rekhadevi PV, Mahboob M, Rahman MF, Grover P.

Determination of genetic damage and urinary metabolites in fuel filling station attendants.

*Environ Mol Mutagen* 2010; online early: PM:20872828:

## Photocopier fumes

Abraham AG, Gange SJ, Rawleigh SB, Glass LR, Springer G, Samet JM.

Retrospective mortality study among employees occupationally exposed to toner.

*J Occup Environ Med* 2010; 52: 1035-41.

## Polychlorinated biphenyls

Aliyu MH, Alio AP, Salihu HM.

To breastfeed or not to breastfeed: a review of the impact of lactational exposure to polychlorinated biphenyls (PCBs) on infants.

*J Environ Health* 2010; 73: 8-14.

Lee D-H, Steffes MW, Sjodin A, Jones RS, Needham LL, Jacobs DR, Jr.

Low dose of some persistent organic pollutants predicts type 2 diabetes: a nested case-control study.

*Environ Health Perspect* 2010; 118: 1235-42.

Suzuki K, Nakai K, Sugawara T, Nakamura T, Ohba T, Shimada M, Hosokawa T, Okamura K, Sakai T, Kurokawa N, Murata K, Satoh C, Satoh H.

Neurobehavioral effects of prenatal exposure to methylmercury and PCBs, and seafood intake: neonatal behavioral assessment scale results of Tohoku study of child development.

*Environ Res* 2010; 110: 699-704.

## Polycyclic aromatic hydrocarbons

Edwards SC, Jedrychowski W, Butscher M, Camann D, Kieltyka A, Mroz E, Flak E, Li Z, Wang S, Rauh V, Perera F.

Prenatal exposure to airborne polycyclic aromatic hydrocarbons and children's intelligence at 5 years of age in a prospective cohort study in Poland.

*Environ Health Perspect* 2010; 118: 1326-31.

Ji G, Gu A, Zhou Y, Shi X, Xia Y, Long Y, Song L, Wang S, Wang X.

Interactions between exposure to environmental polycyclic aromatic hydrocarbons and DNA repair gene polymorphisms on bulky DNA adducts in human sperm.

*PLoS ONE* 2010; 5:

## Polyurethane foam

Morgan DR, Musa M.

Self inflicted death following inhalation and ingestion of builders polyurethane expandable foam.

*J Forensic Legal Med* 2010; online early:

doi:10.1016/j.jflm.2010.09.004:

## Potassium cyanide

Hon KL, Cheung KL.

Pink toes and red urine: what is this poison?

*Hong Kong Med J* 2010; 16: 411-2.

## Preservatives

Vaede D, Baudouin C, Warnet JM, Brignole-Baudouin F.

Les conservateurs des collyres: vers une prise de conscience de leur toxicité. [Preservatives in eye drops: toward awareness of their toxicity]. In French with English abstract.

*J Fr Ophtalmol* 2010; 33: 505-24.

## Propylene glycol

Allegaert K, Vanhaesebrouck S, Kulo A, Cosaert K, Verbesselt R, Debeer A, De Hoon J.

Prospective assessment of short-term propylene glycol tolerance in neonates.

*Arch Dis Child* 2010; online early: doi:

10.1136/adc.2010.190330:

## Salicylic acid

Shazly TA.

Ocular acid burn due to 20% concentrated salicylic acid.

*Cutan Ocul Toxicol* 2010; online early: doi:

10.3109/15569527.2010.521536:

## Solvents

Berr C, Vercambre MN, Bonenfant S, Singh Manoux A, Zins M, Goldberg M.

Occupational exposure to solvents and cognitive performance in the GAZEL cohort: preliminary results.

*Dement Geriatr Cogn Disord* 2010; 30: 12-9.

Peplonska B, Stewart P, Szeszenia-Dabrowska N, Lissowska J, Brinton LA, Gromiec JP, Brzezniacki S, Yang XR, Sherman M, García-Closas M, Blair A.

Occupational exposure to organic solvents and breast cancer in women.

*Occup Environ Med* 2010; 67: 722-9.

Stein Y, Finkelstein Y, Levy-Nativ O, Bonne O, Aschner M, Richter ED.

Exposure and susceptibility: schizophrenia in a young man following prolonged high exposures to organic solvents.

*Neurotoxicology* 2010; 31: 603-7.

## Styrene

Pettersson-Stromback AE, Liljelind IE, Nordin S, Jarvholm B.

Workers' mental models of chemical exposure in the workplace.

*Risk Anal* 2010; 30: 488-500.

Wongvijitsuk S, Navasumrit P, Vattanasit U, Parnlob V, Ruchirawat M.

Low level occupational exposure to styrene: its effects on DNA damage and DNA repair.

*Int J Hyg Environ Health* 2010; online early: doi:

10.1016/j.ijheh.2010.09.007:

## Tar burns

Robinett DA, Shelton B, Dyer KS.

Special considerations in hazardous materials burns.

*J Emerg Med* 2010; 39: 544-53.

## Toluene

Argo A, Bongiorno D, Bonifacio A, Pernice V, Liotta R, Indelicato S, Zerbo S, Fleres P, Ceraulo L, Procaccianti P.

A fatal case of a paint thinner ingestion: comparison between toxicological and histological findings.

Am J Forensic Med Pathol 2010; 31: 186-91.

## Trichloroethylene

Aldrich TE, Seidu D, Bahr D, Freitas S, Brion GM, Tollerud D.

Time-period mortality patterns in a Gaseous Diffusion Plant workforce.

Int J Occup Med Environ Health 2010; 23: 145-51.

Lan Q, Zhang L, Tang X, Shen M, Smith MT, Qiu C, Ge Y, Ji Z, Xiong J, He J, Reiss B, Hao Z, Liu S, Xie Y, Guo W, Purdue MP, Galvan N, Xin KX, Hu W, Beane Freeman LE, Blair AE, Li L, Rothman N, Vermeulen R, Huang H.

Occupational exposure to trichloroethylene is associated with a decline in lymphocyte subsets and soluble CD27 and CD30 markers.

Carcinogenesis 2010; 31: 1592-6.

## Triglycidyl isocyanurate

Anees W, Moore VC, Croft JS, Robertson AS, Burge PS.

Occupational asthma caused by heated triglycidyl isocyanurate.

Occup Med (Oxf) 2010; online early:

doi:10.1093/occmed/kqq145:

## Xylene

Argo A, Bongiorno D, Bonifacio A, Pernice V, Liotta R, Indelicato S, Zerbo S, Fleres P, Ceraulo L, Procaccianti P.

A fatal case of a paint thinner ingestion: comparison between toxicological and histological findings.

Am J Forensic Med Pathol 2010; 31: 186-91.

## METALS

### General

Robinett DA, Shelton B, Dyer KS.

Special considerations in hazardous materials burns.

J Emerg Med 2010; 39: 544-53.

### Arsenic

Acharya S, Chaudhuri S, Chatterjee S, Kumar P, Begum Z, Dasgupta S, Flora S, Chaudhuri S.

Immunological profile of arsenic toxicity: a hint towards arsenic-induced carcinogenesis.

Asian Pac J Cancer Prev 2010; 11: 479-90.

Adeyemi A, Garelick H, Priest ND.

A biokinetic model to describe the distribution and excretion of arsenic by man following acute and chronic intakes of arsenite/arsenate compounds by ingestion.

Hum Exp Toxicol 2010; 29: 891-902.

Aldrich TE, Seidu D, Bahr D, Freitas S, Brion GM, Tollerud D.

Time-period mortality patterns in a Gaseous Diffusion Plant workforce.

Int J Occup Med Environ Health 2010; 23: 145-51.

Bao L, Shi H.

Potential molecular mechanisms for combined toxicity of arsenic and alcohol.

J Inorg Biochem 2010; 104:1229-33

Bartolotta SA, Pacskowski MG, Hick A, Carballo MA.

Micronuclei assay in exfoliated buccal cells from individuals exposed to arsenic in Argentina.

Arch Environ Contam Toxicol 2010; online early: doi: 10.1007/s00244-010-9607-1:

Caceres D, Werlinger F, Orellana M, Jara M, Rocha R, Alvarado S, Luis Q.

Polymorphism of glutathione s-transferase (GST) variants and its effect on distribution of urinary arsenic species in people exposed to low inorganic arsenic in tap water: an exploratory study.

Arch Environ Occup Health 2010; 65: 140-7.

Chen Y, Ahsan H, Slavkovich V, Peltier GL, Gluskin RT, Parvez F, Liu X, Graziano JH.

No association between arsenic exposure from drinking water and diabetes mellitus: a cross-sectional study in Bangladesh.

Environ Health Perspect 2010; 118: 1299-305.

Kossowska B, Dudka I, Bugla-Ploskonska G, Szymanska-Chabowska A, Doroszkiewicz W, Gancarz R, Andrzejak R, Antonowicz-Juchniewicz J.

Proteomic analysis of serum of workers occupationally exposed to arsenic, cadmium, and lead for biomarker research: a preliminary study.

Sci Total Environ 2010; 408: 5317-24.

Maiti S, Chattopadhyay S, Deb B, Samanta T, Maji G, Pan B, Ghosh A, Ghosh D.

Antioxidant and metabolic impairment result in DNA damage in arsenic-exposed individuals with severe dermatological manifestations in Eastern India.

Environ Toxicol 2010; online early: doi: 10.1002/tox.20647:

Mazumder DN, Ghosh A, Majumdar KK, Ghosh N, Saha C, Mazumder RN.

Arsenic contamination of ground water and its health impact on population of district of Nadia, West Bengal, India.

Indian J Community Med 2010; 35: 331-8.

Meliker JR, Goovaerts P, Jacquez GM, Nriagu JO.

Incorporating individual-level distributions of exposure error in epidemiologic analyses: an example using arsenic in drinking water and bladder cancer.

Ann Epidemiol 2010; 20: 750-8.

Morton J, Leese E.

Arsenic speciation in clinical samples: urine analysis using fast micro-liquid chromatography ICP-MS.

Anal Bioanal Chem 2010; online early: doi: 10.1007/s00216-010-4180-z:

Pilsner JR, Hall MN, Liu X, Ahsan H, Ilievski V, Slavkovich V, Levy D, Factor-Litvak P, Graziano JH, Gamble MV.

Associations of plasma selenium with arsenic and genomic methylation of leukocyte DNA in Bangladesh.

Environ Health Perspect 2010; online early: doi: 10.1289/ehp.1001937:

Robinson JF, Yu X, Moreira EG, Hong S, Faustman EM.

Arsenic- and cadmium-induced toxicogenomic response in mouse embryos undergoing neurulation.

Toxicol Appl Pharmacol 2010; online early: doi: 10.1016/j.taap.2010.09.018:

Roychowdhury T.

Groundwater arsenic contamination in one of the 107 arsenic-affected blocks in West Bengal, India: status, distribution, health effects and factors responsible for arsenic poisoning.

Int J Hyg Environ Health 2010; online early: doi: 10.1016/j.ijheh.2010.09.003:

Sakuma AM, de Capitani EM, Figueiredo BR, De Maio FD, Paoliello MMB, Da Cunha FG, Duran MC.

Avaliacao da exposicao de criancas ao arsenio em area de mineracao de chumbo na Regiao Sudeste do Brasil. [Arsenic exposure assessment of children living in a lead mining area in Southeastern Brazil]. In Portuguese with English abstract.

Cad Saude Publica 2010; 26: 391-8.

## Arsenic

Tokar EJ, Diwan BA, Ward JM, Delker DA, Waalkes MP. Carcinogenic effects of whole life exposure to inorganic arsenic in CD1 mice. *Toxicol Sci* 2010; online early: doi: 10.1093/toxsci/kfq315:

Tournel G, Houssaye C, Humbert L, Dhorne C, Gnemmi V, Becart-Robert A, Nisse P, Hedouin V, Gosset D, Lhermitte M. Acute arsenic poisoning: clinical, toxicological, histopathological, and forensic features. *J Forensic Sci* 2010; online early: doi: 10.1111/j.1556-4029.2010.01581.x:

## Barium

Fang W, Tsai C, Tseng C, Liu S, Lin M. Acute barium intoxication after accidental inhalation of barium. (Abstract). *Am J Respir Crit Care Med* 2010; 181: A6103.

## Cadmium

Absalon D, Slesak B. The effects of changes in cadmium and lead air pollution on cancer incidence in children. *Sci Total Environ* 2010; 408: 4420-8.

Chaumont A, De Winter F, Dumont X, Haufroid V, Bernard A. The threshold level of urinary cadmium associated with increased urinary excretion of retinol-binding protein and  $\beta$ 2-microglobulin: a re-assessment in a large cohort of nickel-cadmium battery workers. *Occup Environ Med* 2010; online early: doi: 10.1136/oem.2009.054122:

Kossowska B, Dudka I, Bugla-Ploskonska G, Szymanska-Chabowska A, Doroszkiewicz W, Gancarz R, Andrzejak R, Antonowicz-Juchniewicz J. Proteomic analysis of serum of workers occupationally exposed to arsenic, cadmium, and lead for biomarker research: a preliminary study. *Sci Total Environ* 2010; 408: 5317-24.

Robinson JF, Yu X, Moreira EG, Hong S, Faustman EM. Arsenic- and cadmium-induced toxicogenomic response in mouse embryos undergoing neurulation. *Toxicol Appl Pharmacol* 2010; online early: doi: 10.1016/j.taap.2010.09.018:

Usuda K, Kono K, Ohnishi K, Nakayama S, Sugiura Y, Kitamura Y, Kurita A, Tsuda Y, Kimura M, Yoshida Y. Toxicological aspects of cadmium and occupational health activities to prevent workplace exposure in Japan: a narrative review. *Toxicol Ind Health* 2010; online early: doi: 10.1177/0748233710386404:

## Chromium

Aldrich TE, Seidu D, Bahr D, Freitas S, Brion GM, Tollerud D. Time-period mortality patterns in a Gaseous Diffusion Plant workforce. *Int J Occup Med Environ Health* 2010; 23: 145-51.

Ban M, Langonné I, Goutet M, Huguet N, Pépin E. Simultaneous analysis of the local and systemic immune responses in mice to study the occupational asthma mechanisms induced by chromium and platinum. *Toxicology* 2010; 277: 29-37.

Nickens KP, Patierno SR, Ceryak S. Chromium genotoxicity: a double-edged sword. *Chem Biol Interact* 2010; 188: 276-88.

Thompson CM, Haws LC, Harris MA, Gatto NM, Proctor DM. Application of the US EPA mode of action framework for purposes of guiding future research: a case study involving the oral carcinogenicity of hexavalent chromium. *Toxicol Sci* 2010; online early: doi: 10.1093/toxsci/kfq320:

## Cobalt

Moreira MAC, Cardoso ARO, Silva DGST, de Queiroz MCCA, Oliveira AA, Noleto TMA. Pneumoconiose por exposicao a metal duro com pneumotorax bilateral espontaneo. [Hard metal pneumoconiosis with spontaneous bilateral pneumothorax]. In Spanish with English abstract. *J Bras Pneumol* 2010; 36: 148-51.

## Copper

Dagli CE, Tanrikulu AC, Koksall N, Abakay A, Gelen ME, Demirpolat G, Yuksel M, Atilla N, Tolun FI. Interstitial lung disease in coppersmiths in high serum copper levels. *Biol Trace Elem Res* 2010; 137: 63-8.

Fairweather-Tait SJ, Harvey LJ, Collings R. Risk-benefit analysis of mineral intakes: case studies on copper and iron. *Proc Nutr Soc* 2010; online early: doi: 10.1017/S0029665110003873: 1-9.

## Gadolinium

Greenberg SA. Zinc transmetallation and gadolinium retention after MR imaging: case report. *Radiology* 2010; 257: 670-3.

## Iron

Anon. Iron overload accelerates Alzheimer's disease. *New Scientist* 2010; 207: 20.

Fairweather-Tait SJ, Harvey LJ, Collings R. Risk-benefit analysis of mineral intakes: case studies on copper and iron. *Proc Nutr Soc* 2010; online early: doi: 10.1017/S0029665110003873: 1-9.

Magdalan J, Zawadzki M, Sozanski T. Fulminant hepatic failure in woman with iron and non-steroidal anti-inflammatory drug intoxication. *Hum Exp Toxicol* 2010; online early: doi:10.1177/0960327110386392:

## Lead

Absalon D, Slesak B. The effects of changes in cadmium and lead air pollution on cancer incidence in children. *Sci Total Environ* 2010; 408: 4420-8.

Bushnik T, Haines D, Levallois P, Levesque J, Van Oostdam J, Viau C. Lead and bisphenol A concentrations in the Canadian population. *Health Rep* 2010; 21: 7-18.

Chandran L, Cataldo R. Lead poisoning: basics and new developments. *Pediatr Rev* 2010; 31: 399-406.

Evans M, Elinder CG. Chronic renal failure from lead: myth or evidence-based fact? *Kidney Int* 2010; online early: doi: 10.1038/ki.2010.394:

## Lead

Gupta N, Goswami B, Singh N, Koner BC, Garg R.

Lead poisoning associated with Ayurvedic drug presenting as intestinal obstruction: a case report.

Clin Chim Acta 2010; online early: doi: 10.1016/j.cca.2010.10.007:

Ji G-Z, Deng F-M, Wu X-Y, Li Q-X, Song J-H, Li W-H, Yin F.

[An epidemiologic survey on blood lead levels in preschool children living in towns of Hunan province]. In Chinese with English abstract.

Chin J Contemp Pediatr 2010; 12: 645-9.

Knott J, Gilbert J, Hoccom DG, Green RE.

Implications for wildlife and humans of dietary exposure to lead from fragments of lead rifle bullets in deer shot in the UK.

Sci Total Environ 2010; online early: doi: 10.1016/j.scitotenv.2010.08.053:

Korfmacher KS.

Boundary networks and Rochester's "smart" lead law: the use of multidisciplinary information in a collaborative policy process. New Solutions 2010; 20: 317-36.

Kossowska B, Dudka I, Bugla-Ploskonska G, Szymanska-Chabowska A, Doroszkiewicz W, Gancarz R, Andrzejak R, Antonowicz-Juchniewicz J.

Proteomic analysis of serum of workers occupationally exposed to arsenic, cadmium, and lead for biomarker research: a preliminary study.

Sci Total Environ 2010; 408: 5317-24.

Laidlaw MA, Taylor MP.

Potential for childhood lead poisoning in the inner cities of Australia due to exposure to lead in soil dust.

Environ Pollut 2010; online early: doi: 10.1016/j.envpol.2010.08.020:

Lambertucci SA, Donazar JA, Hiraldo F.

Poisoning people and wildlife with lead ammunition: time to stop. Environ Sci Technol 2010; 44: 7759-60.

Naicker N, Norris SA, Mathee A, Becker P, Richter L.

Lead exposure is associated with a delay in the onset of puberty in South African adolescent females: findings from the birth to twenty cohort.

Sci Total Environ 2010; 408: 4949-54.

Park SK, Elmarsafawy S, Mukherjee B, Spiro A, Vokonas PS, Nie H, Weisskopf MG, Schwartz J, Hu H.

Cumulative lead exposure and age-related hearing loss: the VA normative aging study.

Hear Res 2010; 269: 48-55.

Pizzol M, Thomsen M, Andersen MS.

Long-term human exposure to lead from different media and intake pathways.

Sci Total Environ 2010; 408: 5478-88.

Rehman S, Adnan M, Khalid N, Shaheen L.

Calcium supplements: an additional source of lead contamination.

Biol Trace Elem Res 2010; online early: doi: 10.1007/s12011-010-8870-3:

Sakuma AM, de Capitani EM, Figueiredo BR, De Maio FD, Paoliello MMB, Da Cunha FG, Duran MC.

Avaliacao da exposicao de crianas ao arsenio em area de mineracao de chumbo na Regiao Sudeste do Brasil. [Arsenic exposure assessment of children living in a lead mining area in Southeastern Brazil]. In Portuguese with English abstract.

Cad Saude Publica 2010; 26: 391-8.

Sobin C, Parisi N, Schaub T, de la Riva E.

A Bland-Altman comparison of the LeadCare® system and inductively coupled plasma mass spectrometry for detecting low-level lead in child whole blood samples.

J Med Toxicol 2010; online early: doi: 10.1007/s13181-010-0113-7:

Vivier PM, Hauptman M, Weitzen SH, Bell S, Quilliam DN, Logan JR.

The important health impact of where a child lives: neighborhood characteristics and the burden of lead poisoning. Matern Child Health J 2010; online early: doi 10.1007/s10995-010-0692-6:

Warnet S.

C'en est assez d'avoir du plomb dans la tête! [It's bad to have lead in the head!]. In French.

Rev Infirm 2010; 162: 42.

Zhou J, Hu G.

Effect of lead ion on the function of the human ether-a-go-go-related gene K(+) channel.

Biol Trace Elem Res 2010; online early: doi: 10.1007/s12011-010-8856-1:

## Manganese

Haynes EN, Heckel P, Ryan P, Roda S, Leung Y-K, Sebastian K, Succop P.

Environmental manganese exposure in residents living near a ferromanganese refinery in Southeast Ohio: a pilot study.

Neurotoxicology 2010; 31: 468-74.

Laohadomchok W, Cavallari JM, Fang SC, Lin X, Herrick RF, Christiani DC, Weisskopf MG.

Assessment of occupational exposure to manganese and other metals in welding fumes by portable X-ray fluorescence spectrometer.

J Occup Environ Hyg 2010; 7: 456-65.

Vinayagamoorthy N, Krishnamurthi K, Devi SS, Naoghare PK, Biswas R, Biswas AR, Pramanik S, Shende AR, Chakrabarti T.

Genetic polymorphism of CYP2D6 \*2 C-->T 2850, GSTM1, NQO1 genes and their correlation with biomarkers in manganese miners of Central India.

Chemosphere 2010; 81: 1286-91.

Zheng W, Fu SX, Dydak U, Cowan DM.

Biomarkers of manganese intoxication.

Neurotoxicology 2010; online early: doi: 10.1016/j.neuro.2010.10.002:

## Mercury

Davidson PW, Leste A, Benstrong E, Burns CM, Valentin J, Sloane-Reeves J, Huang L-S, Miller WA, Gunzler D, van Wijngaarden E, Watson GE, Zareba G, Shamlaye CF, Myers GJ.

Fish consumption, mercury exposure, and their associations with scholastic achievement in the Seychelles child development study.

Neurotoxicology 2010; 31: 439-47.

Guzzi G, Pigatto PD, Ronchi A, Minoia C.

Exposure to mercury among Norwegian dentists and dental healthcare personnel.

Scand J Work Environ Health 2010; 36: 430-1.

Guzzi G, Pigatto P, Ronchi A, Minoia C.

The effect of co-administration of selenium and DMPS in inorganic mercury intoxication in mice.

Food Chem Toxicol 2010; online early: doi: 10.1016/j.fct.2010.10.024 [:

Karada M.

Congenital Minamata disease: intrauterine methylmercury poisoning. Teratology 18:285-8. 1978.

Birth Defects Res A Clin Mol Teratol 2010; 88: 906-9.

## Mercury

Koren G, Bend JR.  
Fish consumption in pregnancy and fetal risks of methylmercury toxicity.  
*Can Fam Physician* 2010; 56: 1001-2.

Lynch ML, Huang LS, Cox C, Strain JJ, Myers GJ, Bonham MP, Shamlaye CF, Stokes-Riner A, Wallace JM, Duffy EM, Clarkson TW, Davidson PW.  
Varying coefficient function models to explore interactions between maternal nutritional status and prenatal methylmercury toxicity in the Seychelles child development nutrition study.  
*Environ Res* 2010; online early: doi: 10.1016/j.envres.2010.09.005:

McKelvey W, Jeffery N, Clark N, Kass D, Parsons PJ.  
Population-based inorganic mercury biomonitoring and the identification of skin care products as a source of exposure in New York City.  
*Environ Health Perspect* 2010; online early: doi: 10.1289/ehp.1002396:

Suzuki K, Nakai K, Sugawara T, Nakamura T, Ohba T, Shimada M, Hosokawa T, Okamura K, Sakai T, Kurokawa N, Murata K, Satoh C, Satoh H.  
Neurobehavioral effects of prenatal exposure to methylmercury and PCBs, and seafood intake: neonatal behavioral assessment scale results of Tohoku study of child development.  
*Environ Res* 2010; 110: 699-704.

Tezer H, Erkokoglu M, Kara A, Bayrakci B, Duzova A, Teksam O, Aysun S.  
Household poisoning cases from mercury brought from school.  
*Eur J Pediatr* 2010; online early: doi: 10.1007/s00431-010-1317-1:

Tonk ECM, De Groot DMG, Penninks AH, Waalkens-Berendsen IDH, Wolterbeek APM, Slob W, Piersma AH, Van Loveren H.  
Developmental immunotoxicity of methylmercury: the relative sensitivity of developmental and immune parameters.  
*Toxicol Sci* 2010; 117: 325-35.

## Nickel

Aldrich TE, Seidu D, Bahr D, Freitas S, Brion GM, Tollerud D.  
Time-period mortality patterns in a Gaseous Diffusion Plant workforce.  
*Int J Occup Med Environ Health* 2010; 23: 145-51.

## Platinum

Ban M, Langonné I, Goutet M, Huguet N, Pépin E.  
Simultaneous analysis of the local and systemic immune responses in mice to study the occupational asthma mechanisms induced by chromium and platinum.  
*Toxicology* 2010; 277: 29-37.

## Selenium

Fairweather-Tait S, Bao Y, Broadley M, Collings R, Ford D, Hesketh J, Hurst R.  
Selenium in human health and disease.  
*Antioxid Redox Signal* 2010; online early: doi: 10.1089/ars.2010.3275:

Guzzi G, Pigatto P, Ronchi A, Minoia C.  
The effect of co-administration of selenium and DMPS in inorganic mercury intoxication in mice.  
*Food Chem Toxicol* 2010; online early: doi: 10.1016/j.fct.2010.10.024 [:

Pilsner JR, Hall MN, Liu X, Ahsan H, Ilievski V, Slavkovich V, Levy D, Factor-Litvak P, Graziano JH, Gamble MV.  
Associations of plasma selenium with arsenic and genomic methylation of leukocyte DNA in Bangladesh.  
*Environ Health Perspect* 2010; online early: doi: 10.1289/ehp.1001937:

## Silver

Sung JH, Ji JH, Song KS, Lee JH, Choi KH, Lee SH, Yu IJ.  
Acute inhalation toxicity of silver nanoparticles.  
*Toxicol Ind Health* 2010; online early: PM:20870693:

## Thallium

Solovyev ND, Ivanenko NB, Ivanenko AA.  
Whole blood thallium determination by GFAAS with high-frequency modulation polarization Zeeman effect background correction.  
*Biol Trace Elem Res* 2010; online early: doi: 10.1007/s12011-010-8865-0:

## Tin

Hobler C, Andrade AJM, Grande SW, Gericke C, Talsness CE, Appel KE, Chahoud I, Grote K.  
Sex-dependent aromatase activity in rat offspring after pre- and postnatal exposure to triphenyltin chloride.  
*Toxicology* 2010; 276: 198-205.

## Tungsten

Strigul N.  
Does speciation matter for tungsten ecotoxicology?  
*Ecotoxicol Environ Saf* 2010; 73: 1099-113.

## Uranium

Aldrich TE, Seidu D, Bahr D, Freitas S, Brion GM, Tollerud D.  
Time-period mortality patterns in a Gaseous Diffusion Plant workforce.  
*Int J Occup Med Environ Health* 2010; 23: 145-51.

## Welding fumes

Ibfelt E, Bonde JP, Hansen J.  
Exposure to metal welding fume particles and risk for cardiovascular disease in Denmark: a prospective cohort study.  
*Occup Environ Med* 2010; 67: 772-7.

Laohaudomchok W, Cavallari JM, Fang SC, Lin X, Herrick RF, Christiani DC, Weisskopf MG.  
Assessment of occupational exposure to manganese and other metals in welding fumes by portable X-ray fluorescence spectrometer.  
*J Occup Environ Hyg* 2010; 7: 456-65.

## Zinc

Anon.  
Neuropathies due to denture adhesive overdose.  
*Prescrire Int* 2010; 19: 171.

Greenberg SA.  
Zinc transmetallation and gadolinium retention after MR imaging: case report.  
*Radiology* 2010; 257: 670-3.

## PESTICIDES

### General

De Siqueira MT, Braga C, Cabral-Filho JE, Augusto LGDS, Figueiroa JN, Souza AI.  
Correlation between pesticide use in agriculture and adverse birth outcomes in Brazil: an ecological study.  
*Bull Environ Contam Toxicol* 2010; 84: 647-51.

London L, Coggon D, Moretto A, Westerholm P, Wilks MF, Colosio C.  
The ethics of human volunteer studies involving experimental exposure to pesticides: unanswered dilemmas.  
*Environ Health* 2010; 9: 50.

Noworyta-Glowacka J, Bankowski R, Wiadrowska B, Ludwicki JK.  
[Toxicological evaluation of crop protection chemicals in the EU registration process].  
*Rocz Panstw Zakl Hig* 2010; 61: 1-6.

## Pesticides, general

Schmolke A, Thorbek P, Chapman P, Grimm V.  
Ecological models and pesticide risk assessment: current modeling practice.  
*Environ Toxicol Chem* 2010; 29: 1006-12.

Slager RE, Simpson SL, LeVan TD, Poole JA, Sandler DP, Hoppin JA.  
Rhinitis associated with pesticide use among private pesticide applicators in the agricultural health study.  
*J Toxicol Environ Health A* 2010; 73: 1382-93.

Wallace AD, Hodgson E.  
Metabolic interactions of agrochemicals and human health. (Abstract from the 9th International ISSX Meeting Istanbul Turkey).  
*Drug Metab Rev* 2010; 42: 14-5.

## Pesticides and cancer

Cohn B, Cirillo P, Christianson R.  
Prenatal DDT exposure and testicular cancer: a nested case-control study.  
*Arch Environ Occup Health* 2010; 65: 127-34.

Kumar V, Yadav CS, Singh S, Goel S, Ahmed RS, Gupta S, Grover RK, Banerjee BD.  
CYP 1A1 polymorphism and organochlorine pesticides levels in the etiology of prostate cancer.  
*Chemosphere* 2010; 81: 464-8.

## Atrazine

Bardullas U, Giordano M, Rodríguez VM.  
Chronic atrazine exposure causes disruption of the spontaneous locomotor activity and alters the striatal dopaminergic system of the male Sprague-Dawley rat.  
*Neurotoxicol Teratol* 2010; online early: doi:10.1016/j.ntt.2010.09.001: 1-45.

Dooley GP, Ashley AK, Legare ME, Handa RJ, Hanneman WH.  
Proteomic analysis of diaminochlorotriazine (DACT) adducts in three brain regions of Wistar Rats.  
*Toxicol Lett* 2010; 199: 17-21.

Pogrmic-Majkic K, Fa S, Dakic V, Kaisarevic S, Kovacevic R.  
Upregulation of peripubertal rat Leydig cell steroidogenesis following 24 h in vitro and in vivo exposure to atrazine.  
*Toxicol Sci* 2010; 118: 52-60.

Waller SA, Paul K, Peterson SE, Hitti JE.  
Agricultural-related chemical exposures, season of conception, and risk of gastroschisis in Washington state.  
*Obstet Gynecol Surv* 2010; 65: 412-4.

## Carbamate insecticides

### Carbofuran

Lehel J, Laczay P, Deri J, Darin EG, Budai P.  
Model study on the clinical signs and residue concentrations of sublethal carbofuran poisoning in birds.  
*J Wildl Dis* 2010; 46: 1274-8.

### Carbosulfan

Abass K, Reponen P, Turpeinen M, Mattila S, Pelkonen O.  
Do multiple cytochrome P450 isoforms contribute to the activation of the insecticide carbosulfan in human? (Abstract from the 9th International ISSX Meeting Istanbul Turkey)  
*Drug Metab Rev* 2010; 42: 124.

### Oxamyl

Caporossi L, Tranfo G, Paci E, De Rosa M, Capanna S, Tidei F, Papaleo B.  
LC determination of the skin exposure to oxamyl on greenhouse workers and comparison between DAD and MS-MS detection.  
*Chromatographia* 2010; 72: 281-7.

## Pirimicarb

Sams C, Jones K.  
Human volunteer studies investigating the potential for toxicokinetic interactions between the pesticides deltamethrin, pirimicarb and chlorpyrifos-methyl following oral exposure at the acceptable daily intake.  
*Toxicol Lett* 2010; online early: doi: 10.1016/j.toxlet.2010.10.012:

## DEET

Fediuk DJ, Wang T, Raizman JE, Parkinson FE, Gu X.  
Tissue deposition of the insect repellent DEET and the sunscreen oxybenzone from repeated topical skin applications in rats.  
*Int J Toxicol* 2010; online early: doi: 10.1177/1091581810380147:

## Dichlobenil

Xie F, Zhou X, Behr M, Fang C, Horii Y, Gu J, Kannan K, Ding X.  
Mechanisms of olfactory toxicity of the herbicide 2,6-dichlorobenzonitrile: essential roles of CYP2A5 and target-tissue metabolic activation.  
*Toxicol Appl Pharmacol* 2010; 249: 101-6.

## Formaldehyde

Andersen ME, Clewell HJ, III, Bermudez E, Dodd DE, Willson GA, Campbell JL, Thomas RS.  
Formaldehyde: integrating dosimetry, cytotoxicity and genomics to understand dose-dependent transitions for an endogenous compound.  
*Toxicol Sci* 2010; online early: doi: 10.1093/toxsci/kfq303:

Kimura R, Kimoto I, Takeda M, Miyake M, Sakamoto T.  
Alteration in airway microvascular leakage induced by sensorineural stimulation in rats exposed to inhaled formaldehyde.  
*Toxicol Lett* 2010; online early: doi:10.1016/j.toxlet.2010.09.007: 1-27.

## Glufosinate

Yan-Chiao M, Chen-Chang Y, Dong-Zong H, Jou-Fang D.  
Glufosinate poisoning. Abstract of the 2010 North American Congress of Clinical Toxicology Annual Meeting, October 7-12, 2010. Denver, CO, USA.  
*Clin Toxicol* 2010; 48: 623.

## Glyphosate

Bando H, Murao Y, Aoyagi U, Hirakawa A, Iwase M, Nakatani T.  
[An extreme hyperkalemia in a patient with a new glyphosate potassium herbicide poisoning: report of a case]. In Japanese with English abstract.  
*Chudoku Kenkyu* 2010; 23: 246-9.

Elie-Caille C, Heu C, Guyon C, Nicod L.  
Morphological damages of a glyphosate-treated human keratinocyte cell line revealed by a micro-to nanoscale microscopic investigation.  
*Cell Biol Toxicol* 2010; 26: 331-9.

Fabian D, Bystriansky J, Burkus J, Rehak P, Legath J, Koppel J.  
The effect of herbicide BASTA 15 on the development of mouse preimplantation embryos in vivo and in vitro.  
*Toxicol Vitro* 2010; online early: doi: 10.1016/j.tiv.2010.09.009:

Gasnier C, Benachour N, Clair E, Travert C, Langlois F, Laurant C, Decroix-Laporte C, Seralini GE.  
Dig1 protects against cell death provoked by glyphosate-based herbicides in human liver cell lines.  
*J Occup Med Toxicol* 2010; 5: 29.

## Indoxacarb

Chhabra R, Singh I, Tandon M, Babu R.  
Indoxacarb poisoning: a rare presentation as methaemoglobinemia.  
*Indian J Anaesth* 2010; 54: 239-41.

## Ivermectin

Trailovic SM, Ivanovic SR, Varagic VM.  
Ivermectin effects on motor coordination and contractions of isolated rat diaphragm.  
*Res Vet Sci* 2010; online early: doi: 10.1016/j.rvsc.2010.09.016:

## Maneb

Ahmad I, Shukla S, Kumar A, Singh BK, Patel DK, Pandey HP, Singh C.  
Maneb and paraquat-induced modulation of toxicant responsive genes in the rat liver: comparison with polymorphonuclear leukocytes.  
*Chem Biol Interact* 2010; 188: 566-79.

Singhal NK, Srivastava G, Patel DK, Jain SK, Singh MP.  
Melatonin or silymarin reduces maneb- and paraquat-induced Parkinson's disease phenotype in the mouse.  
*J Pineal Res* 2010; online early: doi: 10.1111/j.1600-079X.2010.00819.:

## Neonicotinoid insecticides

### General

Kimura-Kuroda J, Yoichiro K, Kawano H.  
Nicotine-like excitatory effects of the new pesticide, neonicotinoids on rat cerebellar neurons (abstract).  
*Neurosci Res* 2010; 68: e418-e419.

### Acetamiprid

Imamura T, Yanagawa Y, Nishikawa K, Matsumoto N, Sakamoto T.  
Two cases of acute poisoning with acetamiprid in humans.  
*Clin Toxicol* 2010; 48: 851-3.

### Clothianidine and imidacloprid

So BH, Kim HM.  
Two cases of severe neonicotinoid intoxication. Abstract of the 2010 North American Congress of Clinical Toxicology Annual Meeting, October 7-12, 2010. Denver, CO, USA.  
*Clin Toxicol* 2010; 48: 611.

## Organochlorine pesticides

### General

Fukuyama T, Kosaka T, Tajima Y, Ueda H, Hayashi K, Shutoh Y, Harada T.  
Prior exposure to organophosphorus and organochlorine pesticides increases the allergic potential of environmental chemical allergens in a local lymph node assay.  
*Toxicol Lett* 2010; 199: 347-56.

Kumar V, Yadav CS, Singh S, Goel S, Ahmed RS, Gupta S, Grover RK, Banerjee BD.  
CYP 1A1 polymorphism and organochlorine pesticides levels in the etiology of prostate cancer.  
*Chemosphere* 2010; 81: 464-8.

Lee D-H, Steffes MW, Sjodin A, Jones RS, Needham LL, Jacobs DR, Jr.  
Low dose of some persistent organic pollutants predicts type 2 diabetes: a nested case-control study.  
*Environ Health Perspect* 2010; 118: 1235-42.

## DDT

Cohn B, Cirillo P, Christianson R.  
Prenatal DDT exposure and testicular cancer: a nested case-control study.  
*Arch Environ Occup Health* 2010; 65: 127-34.

## DDT

Mota PC, Cordeiro M, Pereira SP, Oliveira PJ, Moreno AJ, Ramalho-Santos J.  
Differential effects of p,p'-DDE on testis and liver mitochondria. implications for reproductive toxicology.  
*Reprod Toxicol* 2010; online early: doi: 10.1016/j.reprotox.2010.09.010:

## Lindane

Xue M, Shen G, Yu J, Zhang D, Lu Z, Wang B, Lu Y, Cao J, Tao S.  
Dynamic changes of alpha-hexachlorocyclohexane and its enantiomers in various tissues of Japanese rabbits (*Oryctolagus cuniculus*) after oral or dermal exposure.  
*Chemosphere* 2010; 81: 1486-91.

## Organophosphorus insecticides

### General

Araoud M, Neffeti F, Douki W, Najjar MF, Kenani A.  
Paraoxonase 1 correlates with butyrylcholinesterase and gamma glutamyl transferase in workers chronically exposed to pesticides.  
*J Occup Health* 2010; online early: PM:20944437:

Esquivel-Sentíes MS, Barrera I, Ortega A, Vega L.  
Organophosphorus pesticide metabolite (DEDTP) induces changes in the activation status of human lymphocytes by modulating the interleukin 2 receptor signal transduction pathway.  
*Toxicol Appl Pharmacol* 2010; 248: 122-33.

Fukuyama T, Kosaka T, Tajima Y, Ueda H, Hayashi K, Shutoh Y, Harada T.  
Prior exposure to organophosphorus and organochlorine pesticides increases the allergic potential of environmental chemical allergens in a local lymph node assay.  
*Toxicol Lett* 2010; 199: 347-56.

Jayasinghe SS, Pathirana KD.  
Subclinical nerve fiber dysfunction following acute organophosphate (OP) poisoning. Abstract of the 2010 North American Congress of Clinical Toxicology Annual Meeting, October 7-12, 2010. Denver, CO, USA.  
*Clin Toxicol* 2010; 48: 604.

Jokanovic M, Kosanovic M, Brkic D, Vukomanovic P.  
Organophosphate induced delayed polyneuropathy in man: an overview.  
*Clin Neurol Neurosurg* 2010; online early: doi: 10.1016/j.clineuro.2010.08.015:

Li ZF, You RS, Ma JX, Zhen GD, Cao EQ.  
[A clinical exploration of detoxifying drugs for acute organophosphorus pesticide poisoning.]. In Chinese.  
*Zhongguo Zhong Xi Yi Jie He Za Zhi* 2010; 22: 507-9.

Raposo R, Barroso M, Fonseca S, Costa S, Queiroz JA, Gallardo E, Dias M.  
Determination of eight selected organophosphorus insecticides in postmortem blood samples using solid-phase extraction and gas chromatography/mass spectrometry.  
*Rapid Commun Mass Spectrom* 2010; 24: 3187-94.

Segall Y.  
Biomimetic chemistry as a useful tool for studying reactive metabolites of pesticides.  
*J Agric Food Chem* 2010; online early: doi: 10.1021/jf102262p:

## Organophosphorus insecticides, general

Weber A, Butterweck H, Mais-Paul U, Teschner W, Lei L, Muchitsch EM, Kolarich D, Altmann F, Ehrlich HJ, Schwarz HP.

Biochemical, molecular and preclinical characterization of a double-virus-reduced human butyrylcholinesterase preparation designed for clinical use.

Vox Sang 2010; online early: doi: 10.1111/j.1423-0410.2010.01415.x:

Worek F, Aurbek N, Wille T, Eyer P, Thiermann H.

Kinetic prerequisites of oximes as effective reactivators of organophosphate-inhibited acetylcholinesterase: a theoretical approach.

J Enzyme Inhib Med Chem 2010; online early: doi: 10.3109/14756366.2010.504673:

Zlatkovic M, Jovanovic M, Djordjevic D, Vucinic S.

[Rapid simultaneous determination of organophosphorus pesticides in human serum and urine by liquid chromatography-mass spectrometry]. In Serbian with English abstract.

Vojnosanit Pregl 2010; 67: 717-22.

## Chlorpyrifos

Ambali SF, Ayo JO, Ojo SA, Esievo KAN.

Vitamin E protects Wistar rats from chlorpyrifos-induced increase in erythrocyte osmotic fragility.

Food Chem Toxicol 2010; 48: 3477-80.

## Chlorpyrifos-methyl

Sams C, Jones K.

Human volunteer studies investigating the potential for toxicokinetic interactions between the pesticides deltamethrin, pirimicarb and chlorpyrifos-methyl following oral exposure at the acceptable daily intake.

Toxicol Lett 2010; online early: doi:10.1016/j.toxlet.2010.10.012:

## DFP

Ehrich M, Van Tassell R, Li Y, Zhou Z, Kepley CL.

Fullerene antioxidants decrease organophosphate-induced acetylcholinesterase inhibition in vitro.

Toxicol Vitro 2010; online early: doi:10.1016/j.tiv.2010.09.010: 1-7.

## Diazinon

Raynor PC, Bartekova A, Griggs JG, Simcik MF, Adgate JL.

Airborne diazinon concentrations during and after outdoor spray application.

J Occup Environ Hyg 2010; 7: 506-15.

Shah MD, Iqbal M.

Diazinon-induced oxidative stress and renal dysfunction in rats.

Food Chem Toxicol 2010; 48: 3345-53.

## Fenthion

Celik I, Isik I, Ozok N, Salih Kaya M.

Neurotoxic and immunotoxic effects of fenthion and omethoate on frogs at acute exposure.

Toxicol Ind Health 2010; online early: doi: 10.1177/0748233710387009:

## Malathion

Ranjbar A, Ghahremani MH, Sharifzadeh M, Golestani A, Ghazi-Khansari M, Baeeri M, Abdollahi M.

Protection by pentoxifylline of malathion-induced toxic stress and mitochondrial damage in rat brain.

Hum Exp Toxicol 2010; 29: 851-64.

## Omethoate

Celik I, Isik I, Ozok N, Salih Kaya M.

Neurotoxic and immunotoxic effects of fenthion and omethoate on frogs at acute exposure.

Toxicol Ind Health 2010; online early: doi: 10.1177/0748233710387009:

## Paraoxon

Ehrich M, Van Tassell R, Li Y, Zhou Z, Kepley CL.

Fullerene antioxidants decrease organophosphate-induced acetylcholinesterase inhibition in vitro.

Toxicol Vitro 2010; online early: doi:10.1016/j.tiv.2010.09.010: 1-7.

Proskocil BJ, Bruun DA, Thompson CM, Fryer AD, Lein PJ.

Organophosphorus pesticides decrease M2 muscarinic receptor function in guinea pig airway nerves via indirect mechanisms.

PLoS ONE 2010; 5: 1-11.

Worek F, Aurbek N, Wille T, Eyer P, Thiermann H.

Kinetic analysis of interactions of paraoxon and oximes with human, Rhesus monkey, swine, rabbit, rat and guinea pig acetylcholinesterase.

Toxicol Lett 2010; online early: doi: 10.1016/j.toxlet.2010.10.009:

## Parathion

Proskocil BJ, Bruun DA, Thompson CM, Fryer AD, Lein PJ.

Organophosphorus pesticides decrease M2 muscarinic receptor function in guinea pig airway nerves via indirect mechanisms.

PLoS ONE 2010; 5: 1-11.

## Paraquat and diquat

Ahmad I, Shukla S, Kumar A, Singh BK, Patel DK, Pandey HP, Singh C.

Maneb and paraquat-induced modulation of toxicant responsive genes in the rat liver: comparison with polymorphonuclear leukocytes.

Chem Biol Interact 2010; 188: 566-79.

Ge W, Zhang Y, Han X, Ren J.

Cardiac-specific overexpression of catalase attenuates paraquat-induced myocardial geometric and contractile alteration: role of ER stress.

Free Radic Biol Med 2010; online early: doi: 10.1016/j.freeradbiomed.2010.10.686:

Kim JH, Gil HW, Yang JO, Lee EY, Hong SY.

Serum uric acid level as a marker for mortality and acute kidney injury in patients with acute paraquat intoxication.

Nephrol Dial Transplant 2010; online early: doi: 10.1093/ndt/gfq632:

Mitsopoulos P, Suntutres ZE.

Cytotoxicity and gene array analysis of alveolar epithelial A549 cells exposed to paraquat.

Chem Biol Interact 2010; 188: 427-436.

Singhal NK, Srivastava G, Patel DK, Jain SK, Singh MP.

Melatonin or silymarin reduces maneb- and paraquat-induced Parkinson's disease phenotype in the mouse.

J Pineal Res 2010; online early: doi: 10.1111/j.1600-079X.2010.00819.:

Yang W, Tiffany-Castiglioni E, Lee M-Y, Son I-H.

Paraquat induces cyclooxygenase-2 (COX-2) implicated toxicity in human neuroblastoma SH-SY5Y cells.

Toxicol Lett 2010; 199:239-246

## Pyrethroid insecticides

### General

Ji G, Xia Y, Gu A, Shi X, Long Y, Song L, Wang S, Wang X.

Effects of non-occupational environmental exposure to pyrethroids on semen quality and sperm DNA integrity in Chinese men.

Reprod Toxicol 2010; online early: doi: 10.1016/j.reprotox.2010.10.005:

### Cypermethrin

Tiwari MN, Singh AK, Ahmad I, Upadhyay G, Singh D, Patel DK, Singh C, Prakash O, Singh MP.

Effects of cypermethrin on monoamine transporters, xenobiotic metabolizing enzymes and lipid peroxidation in the rat nigrostriatal system.

Free Radic Res 2010; 44: 1416-24.

### Deltamethrin

Sams C, Jones K.

Human volunteer studies investigating the potential for toxicokinetic interactions between the pesticides deltamethrin, pirimicarb and chlorpyrifos-methyl following oral exposure at the acceptable daily intake.

Toxicol Lett 2010; online early: doi: 10.1016/j.toxlet.2010.10.012:

### Permethrin and pyrethrins

Sunderkötter C, Kirchhefer U.

Geringe Toxizität der Lausemittel Pyrethrin, Pyrethroide und Permethrin. [Limited toxicity of the pediculicides pyrethrin, pyrethroids, and permethrin]. In German.

Hautarzt 2010; online early: doi: 10.1007/s00105-010-2034-4:

## Rodenticides

### Bromadiolone

Giorgi M, Mengozzi G.

An HPLC method for the determination of bromadiolone plasma kinetics and its residues in hen eggs.

J Chromatogr Sci 2010; 48: 714-20.

### Sodium azide

Wainscott BJ, Oller LK, Wasserman GS.

A case of accidental life threatening sodium azide exposure. Abstract of the 2010 North American Congress of Clinical Toxicology Annual Meeting, October 7-12, 2010. Denver, CO, USA.

Clin Toxicol 2010; 48: 653.

### Triadimefon

Di Renzo F, Broccia ML, Giavini E, Menegola E.

Stage-dependent abnormalities induced by the fungicide triadimefon in the mouse.

Reprod Toxicol 2010; online early: doi: 10.1016/j.reprotox.2010.10.011:

### Triphenyl tin

Hobler C, Andrade AJM, Grande SW, Gericke C, Talsness CE, Appel KE, Chahoud I, Grote K.

Sex-dependent aromatase activity in rat offspring after pre- and postnatal exposure to triphenyltin chloride.

Toxicology 2010; 276: 198-205.

## CHEMICAL WARFARE, BIOLOGICAL WARFARE AND RIOT CONTROL AGENTS

### Biological warfare

#### Abrin

Bradberry S, Vale A.

Biotoxins and xenobiotics.

Chapter 23 *in* Environmental medicine, ed. by JG Ayres, RM Harrison, GL Nichols, & RL Maynard. 276-89. London: Hodder Arnold, 2010.

#### Anthrax

Jiao GS, Kim S, Moayeri M, Cregar-Hernandez L, McKasson L, Margosiak SA, Leppla SH, Johnson AT.

Antidotes to anthrax lethal factor intoxication. Part 1: Discovery of potent lethal factor inhibitors with in vivo efficacy.

Bioorg Med Chem Lett 2010; 20: 6850-3.

Radjainia M, Hyun JK, Leysath CE, Leppla SH, Mitra AK.

Anthrax toxin-neutralizing antibody reconfigures the protective antigen heptamer into a supercomplex.

Proc Natl Acad Sci USA 2010; 107: 14070-4.

#### Botulism

Eubanks LM, Silhar P, Salzameda NT, Zakhari JS, Xiaochuan F, Barbieri JT, Shoemaker CB, Hixon MS, Janda KD.

Identification of a natural product antagonist against the botulinum neurotoxin light chain protease.

ACS Med Chem Lett 2010; 1: 268-72.

Mayorov AV, Willis B, Di Mola A, Adler D, Borgia J, Jackson O, Wang J, Luo Y, Tang L, Knapp RJ, Natarajan C, Goodnough M, Zilberberg N, Simpson L, Janda K.

Transient relief of botulinum neurotoxin/A intoxication with aminopyridines - a new twist on an old molecule.

ACS Chem Biol 2010; online early: doi: 10.1021/cb1002366:

Mazuet C, Dano J, Popoff MR, Creminon C, Volland H.

Characterization of botulinum neurotoxin type A neutralizing monoclonal antibodies and influence of their half-lives on therapeutic activity.

PLoS ONE 2010; 5: 8.

#### Ricin

Bradberry S, Vale A.

Biotoxins and xenobiotics.

Chapter 23 *in* Environmental medicine, ed. by JG Ayres, RM Harrison, GL Nichols, & RL Maynard. 276-89. London: Hodder Arnold, 2010.

He X, McMahon S, Henderson TD, Griffey SM, Cheng LW.

Ricin toxicokinetics and its sensitive detection in mouse sera or feces using immuno-PCR.

PLoS ONE 2010; 5: 9.

### Chemical warfare

#### General

Lehman-Huskamp K, Rebmann T, Walter FG, Weber J, Scalzo A. Disaster preparedness education and a Midwest Regional Poison Center.

Am J Disaster Med 2010; 5: 229-36.

#### Mustard gas

Black AT, Hayden PJ, Casillas RP, Heck DE, Gerecke DR, Sinko PJ, Laskin DL, Laskin JD.

Expression of proliferative and inflammatory markers in a full-thickness human skin equivalent following exposure to the model sulfur mustard vesicant, 2-chloroethyl ethyl sulfide.

Toxicol Appl Pharmacol 2010; 249: 178-87.

## Mustard gas

Firooz A, Sadr B, Davoudi SM, Nassiri-Kashani M, Panahi Y, Dowlati Y.

Long-term skin damage due to chemical weapon exposure.

Cutan Ocul Toxicol 2010; online early: doi: 10.3109/15569527.2010.529547: 1-5.

Gautam A, Gupta A, Lomash V, Pant SC, Vijayaraghavan R. Prophylactic efficacy of combination of DRDE-07 and its analogues with amifostine against sulphur mustard induced systemic toxicity.

Indian J Exp Biol 2010; 48: 752-61.

Gautam A, Vijayaraghavan R.

DRDE-07: a possible antidote for sulphur mustard toxicity. Cell Mol Biol 2010; 56 Suppl: OL1334-OL1340.

Gordon MK, Desantis A, Deshmukh M, Lacey CJ, Hahn RA, Beloni J, Anumolu SS, Schlager JJ, Gallo MA, Gerecke DR, Heindel ND, Svoboda KK, Babin MC, Sinko PJ.

Doxycycline hydrogels as a potential therapy for ocular vesicant injury.

J Ocul Pharmacol Ther 2010; 26: 407-19.

Naderi M, Jadidi K, Falahati F, Alavi SA.

The effect of sulfur mustard and nitrogen mustard on corneal collagen degradation induced by the enzyme collagenase.

Cutan Ocul Toxicol 2010; 29: 234-40.

Pohanka M, Sobotka J, Jilkova M, Stetina R.

Oxidative stress after sulfur mustard intoxication and its reduction by melatonin: efficacy of antioxidant therapy during serious intoxication.

Drug Chem Toxicol 2010; online early: doi: 10.3109/01480545.2010.505238:

Steinritz D, Bölc B, Schwarz J, Balszuweit F, Dühr S, Ibrahim M, Bloch W, Thiermann H, Kehe K.

Effect of N-acetyl cysteine and  $\alpha$ -linolenic acid on sulfur mustard caused impairment of in vitro endothelial tube formation.

Toxicol Sci 2010; 118: 521-9

Tewari-Singh N, Agarwal C, Huang J, Day BJ, White CW, Agarwal R.

Efficacy of glutathione in ameliorating sulfur mustard analog-induced toxicity in cultured skin epidermal cells and in SKH-1 mouse skin in vivo.

J Pharmacol Exp Ther 2010; online early: PM:20974699:

## Nitrogen mustard

Sunil VR, Patel KJ, Shen J, Reimer D, Gow AJ, Laskin JD, Laskin DL. Functional and inflammatory alterations in the lung following exposure of rats to nitrogen mustard.

Toxicol Appl Pharmacol 2010; online early: doi: 10.1016/j.taap.2010.09.016: 1-24.

## Nerve agents

### General

Worek F, Wille T, Aurbek N, Eyer P, Thiermann H.

Reactivation of organophosphate-inhibited human, Cynomolgus monkey, swine and guinea pig acetylcholinesterase by MMB-4: a modified kinetic approach.

Toxicol Lett 2010; 249: 231-7.

### Cyclosarin

O'Donnell JC, Acon-Chen C, McDonough JH, Shih T-M.

Comparison of extracellular striatal acetylcholine and brain seizure activity following acute exposure to the nerve agents cyclosarin and tabun in freely moving guinea pigs.

Toxicol Mech Methods 2010; 20: 600-8.

## Sarin

Chao LL, Rothlind JC, Cardenas VA, Meyerhoff DJ, Weiner MW.

Effects of low-level exposure to sarin and cyclosarin during the 1991 Gulf War on brain function and brain structure in US veterans.

Neurotoxicology 2010; 31: 493-501.

## Soman

Braue EH, Jr, Smith KH, Doxzon BF, Lumpkin HL, Clarkson ED.

Efficacy studies of reactive skin decontamination lotion, M291 skin decontamination kit, 0.5% bleach, 1% soapy water, and skin exposure reduction paste against chemical warfare agents. Part 2: guinea pigs challenged with soman.

Cutan Ocul Toxicol 2010; online early: doi:

10.3109/15569527.2010.515281:

Figueiredo TH, Qashu F, Apland JP, Aroniadou-Anderjaska V, Souza AP, Braga MF.

The GluK1 (GluR5) kainate /AMPA receptor antagonist LY293558 reduces soman-induced seizures and neuropathology.

J Pharmacol Exp Ther 2010; online early: doi:

10.1124/jpet.110.171835:

Johnson EA, Kan RK.

The acute phase response and soman-induced status epilepticus: temporal, regional and cellular changes in rat brain cytokine concentrations.

J Neuroinflammation 2010; 7: 40.

## Tabun

O'Donnell JC, Acon-Chen C, McDonough JH, Shih T-M.

Comparison of extracellular striatal acetylcholine and brain seizure activity following acute exposure to the nerve agents cyclosarin and tabun in freely moving guinea pigs.

Toxicol Mech Methods 2010; 20: 600-8.

## Vx

Braue EH, Jr, Smith KH, Doxzon BF, Lumpkin HL, Clarkson ED.

Efficacy studies of reactive skin decontamination lotion, M291 skin decontamination kit, 0.5% bleach, 1% soapy water, and skin exposure reduction paste against chemical warfare agents. Part 1: guinea pigs challenged with VX.

Cutan Ocul Toxicol 2010; online early: doi:

10.3109/15569527.2010.515280:

Genovese RF, Benton BJ, Oubre JL, Byers CE, Jakubowski EM, Mioduszewski RJ, Settle TJ, Steinbach TJ.

Determination of threshold adverse effect doses of percutaneous VX exposure in African green monkeys.

Toxicology 2010; online early: doi:10.1016/j.tox.2010.09.012: 1-8.

## Riot control agents

### Chlorobenzylidene malonitrile (tear gas)

Sivathanan N.

Educating on CS or 'tear gas'.

Emerg Med J 2010; 27: 881-2.

## PLANTS

### General

Bradberry S, Vale A.

Biotoxins and xenobiotics.

Chapter 23 in Environmental medicine, ed. by JG Ayres, RM Harrison, GL Nichols, & RL Maynard. 276-89. London: Hodder Arnold, 2010.

Mrazova K, Navratil T, Pelcova D.

Use and accidental exposure to hallucinogenic agents reported to the Czech toxicological information centre from 1995 to 2008.

Subst Use Misuse 2010; online early: doi:

10.3109/10826084.2010.527418:

## Plants, general

Petersen DD.

Common plant toxicology: a comparison of national and Southwest Ohio data trends on plant poisonings in the 21st century.

Toxicol Appl Pharmacol 2010; online early: doi: 10.1016/j.taap.2010.10.022:

## Abrin

Bradberry S, Vale A.

Biotoxins and xenobiotics.

Chapter 23 *in* Environmental medicine, ed. by JG Ayres, RM Harrison, GL Nichols, & RL Maynard. 276-89. London: Hodder Arnold, 2010.

## Ayahuasca

Oliveira CD, Moreira CQ, Marques de Sa LR, de Souza Spinosa H, Yonamine M.

The relevance of performing developmental toxicity studies about ayahuasca.

Birth Defects Res B Dev Reprod Toxicol 2010; online early: PM:20976698:

## Betel nuts

Liu ST, Young GC, Lee YC, Chang YF.

A preliminary report on the toxicity of arecoline on early pregnancy in mice.

Food Chem Toxicol 2010; online early: doi: 10.1016/j.fct.2010.10.009:

## Black cohosh

McKenzie SC, Rahman A.

Bradycardia in a patient taking black cohosh.

Med J Aust 2010; 193: 479-81.

## Boophone disticha

Gadaga LL, Tagwirey D, Dzangare J, Nhachi CF.

Acute oral toxicity and neurobehavioural toxicological effects of a hydroethanolic extract of *Boophone disticha* in rats.

Hum Exp Toxicol 2010; online early: doi: 10.1177/0960327110384524:

## Colchicine

Ide N, Suzuki A, Suzuki E, Gotou S.

[A case of colchicine intoxication caused by tubers of *Gloriosa superba*]. In Japanese with English abstract.

Chudoku Kenkyu 2010; 23: 243-5.

## Datura suaveolens (Angel trumpet lily)

Sevketoglu E, Tatli B, Tugcu B, Demirelli Y, Hatipoglu S.

An unusual cause of fulminant Guillain-Barré syndrome: angel's trumpet.

Pediatr Neurol 2010; 43: 368-70.

## Gloriosa superba

Ide N, Suzuki A, Suzuki E, Gotou S.

[A case of colchicine intoxication caused by tubers of *Gloriosa superba*]. In Japanese with English abstract.

Chudoku Kenkyu 2010; 23: 243-5.

## Grapes

Yoon SS, Byun JW, Kim MJ, Bae YC, Shin YK, Yoon S, Lee G, Song JY.

Natural occurrence of grape poisoning in two dogs.

J Vet Med Sci 2010; online early: PM:20953132:

## Mushrooms

### General

Bradberry S, Vale A.

Biotoxins and xenobiotics.

Chapter 23 *in* Environmental medicine, ed. by JG Ayres, RM Harrison, GL Nichols, & RL Maynard. 276-89. London: Hodder Arnold, 2010.

### Amanita phalloides

Mrzljak A, Knotek M, Gustin D, Matovinovic MS, Kocman B, Ljubanovic D, Gasparov S.

End-stage kidney disease after mushroom poisoning and ABO-incompatible liver transplantation.

Nephrology 2010; 15: 660-1.

### Pine nuts

Picard F, Landis BN.

Pine nut-induced dysgeusia: an emerging problem!

Am J Med 2010; 123: e3.

### Plukenetia volubilis

Bueso A, Rodríguez-Perez R, Rodríguez M, Dionicio J, Pérez-Pimiento A, Caballero ML.

Occupational allergic rhinoconjunctivitis and bronchial asthma induced by *Plukenetia volubilis* seeds.

Occup Environ Med 2010; 67: 797-8.

### Ricin

Bradberry S, Vale A.

Biotoxins and xenobiotics.

Chapter 23 *in* Environmental medicine, ed. by JG Ayres, RM Harrison, GL Nichols, & RL Maynard. 276-89. London: Hodder Arnold, 2010.

He X, McMahon S, Henderson TD, Griffey SM, Cheng LW.

Ricin toxicokinetics and its sensitive detection in mouse sera or feces using immuno-PCR.

PLoS ONE 2010; 5: 9.

### Seaweed and soya

Crawford BA, Cowell CT, Emdar PJ, Learoyd DL, Chua EL, Sinn J, Jack MM.

Iodine toxicity from soy milk and seaweed ingestion is associated with serious thyroid dysfunction.

Med J Aust 2010; 193: 413-5.

### Yacon

de Oliveira RB, De Paula DAC, Rocha BA, Franco JJ, Gobbo-Neto L, Uyemura SA, dos Santos WF, da Costa FB.

Renal toxicity caused by oral use of medicinal plants: the Yacon example.

J Ethnopharmacol 2010; online early: doi:

10.1016/j.jep.2010.10.019:

### Yew (Taxus baccata)

Stribrny J, Dogosi M, Snuparek Z, Toupalik P, Balaz P, Bartos P.

[3,5-dimethoxyphenol - marker of intoxication with *Taxus baccata*]. In Czech with English abstract.

Soud Lek 2010; 55: 36-9.

## ANIMALS

### General

Valderrama R.

[Poisonous animals in Latin America]. In Spanish.

Biomedica 2010; 30: 5-9.

## Fish/marine poisoning

### General

Bienfang PK, Defelice SV, Laws EA, Brand LE, Bidigare RR, Christensen S, Trapido-Rosenthal H, Hemscheidt TK, McGillicuddy DJ, Anderson DM, Solo-Gabriele HM, Boehm AB, Backer LC. Prominent human health impacts from several marine microbes: history, ecology, and public health implications. *Int J Microbiol* 2011; 152815:

Bradberry S, Vale A. Biotoxins and xenobiotics. Chapter 23 *in* Environmental medicine, ed. by JG Ayres, RM Harrison, GL Nichols, & RL Maynard. 276-89. London: Hodder Arnold, 2010.

Munday R. Palytoxin toxicology: animal studies. *Toxicon* 2010; online early: doi:10.1016/j.toxicon.2010.10.003:

### Algae

Puschner B, Pratt C, Tor ER. Treatment and diagnosis of a dog with fulminant neurological deterioration due to anatoxin-A intoxication. *J Vet Emerg Crit Care* 2010; 20: 518-22.

### Ciguatera

Hamilton B, Whittle N, Shaw G, Eaglesham G, Moore MR, Lewis RJ. Human fatality associated with Pacific ciguatoxin contaminated fish. *Toxicon* 2010; 56: 668-73.

Oshiro N, Yogi K, Asato S, Sasaki T, Tamanaha K, Hirama M, Yasumoto T, Inafuku Y. Ciguatera incidence and fish toxicity in Okinawa, Japan. *Toxicon* 2010; 56: 656-61.

### Cyanobacteria

Araoz R, Molgo J, Tandeau de Marsac N. Neurotoxic cyanobacterial toxins. *Toxicon* 2010; 56: 813-28.

Testai E, Funari E. Human health risk assessment associated with cyanotoxin exposure. (Abstract from the 9th International ISSX Meeting Istanbul Turkey) *Drug Metab Rev* 2010; 42: 15.

### Domoic acid

Costa LG, Giordano G, Faustman EM. Domoic acid as a developmental neurotoxin. *Neurotoxicology* 2010; 31: 409-23.

He Y, Fekete A, Chen G, Harir M, Zhang L, Tong P, Schmitt-Kopplin P. Analytical approaches for an important shellfish poisoning agent: domoic acid. *J Agric Food Chem* 2010; online early: doi 10.1021/jf1031789:

### Palytoxin

Munday R. Palytoxin toxicology: animal studies. *Toxicon* 2010; online early: doi:10.1016/j.toxicon.2010.10.003:

### Puffer fish

Kang Y, Lee Y, Park S, Paek O, Choi H, Jo C, Kim M. Analysis of tetrodotoxin in puffer fish by liquid chromatography tandem mass spectrometry. (Abstract from the 9th International ISSX Meeting Istanbul Turkey). *Drug Metab Rev* 2010; 42: 42.

Man CN, Noor NM, Harn GL, Lajis R, Mohamad S. Screening of tetrodotoxin in puffers using gas chromatography-mass spectrometry. *J Chromatogr A* 2010; online early: doi: 10.1016/j.chroma.2010.09.064:

### Tetrodotoxin

Fernández-Ortega JF, Morales-de los Santos JM, Herrera-Gutiérrez ME, Fernández-Sánchez V, Rodríguez Loureo P, Rancaño AA, Téllez-Andrade A. Seafood intoxication by tetrodotoxin: first case in Europe. *J Emerg Med* 2010; 39: 612-7.

### Hymenoptera

Friedman LS, Modi P, Liang S, Hryhorczuk D. Analysis of hymenoptera stings reported to the Illinois Poison Center. *J Med Entomol* 2010; 47: 907-12.

### Scorpions

Chippaux JP. [Emergency immunotherapy: snake and scorpion antivenoms]. In French with English abstract. *Biol Aujourd'hui* 2010; 204: 61-70.

Gómez JP, Quintana JC, Arbeláez P, Fernández J, Silva JF, Barona J, Gutiérrez JC, Díaz A, Otero R. [*Tityus asthenes* scorpion stings: epidemiological, clinical and toxicological aspects]. In Spanish with English abstract. *Biomedica* 2010; 30: 126-39.

### Snake bites

#### General

Chippaux JP. [Guidelines for the production, control and regulation of snake antivenom immunoglobulins]. In French with English abstract. *Biol Aujourd'hui* 2010; 204: 87-91.

Chippaux JP. [Emergency immunotherapy: snake and scorpion antivenoms]. In French with English abstract. *Biol Aujourd'hui* 2010; 204: 61-70.

### Rattlesnakes

Lavonas EJ, Kokko J, Schaeffer TH, Mlynarchek SL, Bogdan GM, Dart RC. Short-term outcomes after Fab antivenom therapy for severe crotaline snakebite. *Ann Emerg Med* 2010; online early: doi: 10.1016/j.annemergmed.2010.06.550:

### Vipers

Lin HL, Lin TY, Lee WC. Snakebite: the experience of Russell's viper antivenom in Taiwan. *Am J Emerg Med* 2010; online early: doi 10.1016/j.ajem.2010.07.021:

Makis A, Kattamis A, Grammeniatis V, Sihlimiri P, Kotsonis H, Iliadis A, Siamopoulou A, Chaliasos N. Pulmonary embolism after snake bite in a child with diamond-blackfan anemia. *J Pediatr Hematol Oncol* 2010; online early: doi: 10.1097/MPH.0b013e3181e88677:

## INDEX

Abrin .....	56, 58	Chlorpyrifos.....	55
Acamprosate .....	25	Chlorpyrifos-methyl .....	55
Acetaminophen .....	29, 35	Chromium .....	50
Acetamidiprid.....	54	Ciguatera .....	59
Acetylcysteine .....	26	Clothianidine .....	54
Acetyl-L-carnitine .....	25	Cobalt.....	50
Aconitine .....	30	Cocaine.....	31
Acrylamide.....	45	Codeine .....	31
Activated charcoal .....	25	Colchicine .....	32, 58
Air pollution .....	40	Copper.....	50
Alcohol .....	43	Corrosives.....	45
Algae.....	59	Cosmetics .....	45
Amanita phalloides .....	58	Cyanobacteria .....	59
Amfetamines.....	30	Cyanuric acid .....	45
Aminopyridines .....	26	Cyclosarin .....	57
Amitriptyline .....	30	Cypermethrin .....	56
Analytical toxicology .....	9	Dantrolene.....	27
Angel trumpet lily .....	58	<i>Datura suaveolens</i> .....	58
Aniline .....	45	DDT.....	54
Animals, general .....	58	DEET .....	53
Anthrax .....	56	Deltamethrin .....	56
Anticonvulsants .....	30	Denture adhesive .....	45
Antidotes .....	26	Dermal toxicity .....	11
Antineoplastic drugs .....	30	Designer drugs.....	32
Antivenom .....	26	Developmental toxicology .....	12
Antivirals.....	30	Dexmedetomidine .....	32
Aripiprazole.....	30	DFP .....	55
Arsenic .....	49	Diacetylmorphine.....	33
Atrazine.....	53	Diazinon .....	55
Ayahuasca .....	58	Dibutyl phthalate .....	45
Barium.....	50	Dichlobenil .....	53
Barium chloride.....	45	Dichloroacetate .....	46
Benzene .....	45	Diethylene glycol .....	46
Benzocaine .....	30	Difluoroethane .....	46
Betel nuts .....	58	Digoxin .....	32
Biological warfare.....	56	Dioxins .....	46
Bisphenol A.....	45	Diphenhydramine .....	32
Bitumen.....	45	Diquat .....	55
Black cohosh.....	58	Disulfiram .....	27
Blonanserin.....	30	DMPS .....	26
Body packers .....	10	Domoic acid .....	59
<i>Boophone disticha</i> .....	58	Dosulepin.....	32
Botulism .....	56	Doxazosin .....	32
Bromadiolone.....	56	Doxycycline hydrogel .....	27
Brominated diphenyl ethers .....	45	DRDE-07.....	27
Buprenorphine .....	26, 30	Driving under the influence .....	13
Butyrylcholinesterase.....	26	Drugs, general .....	28
Cadmium .....	50	Ecstasy .....	30
Caffeine.....	31	EDTA .....	26
Calcium gluconate .....	27	Epidemiology .....	13
Calcium supplements.....	31	Estazolam .....	32
Cannabis.....	31	Estradiol .....	27
Carbamate insecticides .....	53	Ethanol.....	43
Carbamazepine .....	31	Ethylene glycol .....	46
Carbofuran.....	53	Exhaust fumes .....	41
Carbon monoxide .....	40	Eye drops .....	32
Carbosulfan.....	53	Farnesol.....	46
Carcinogenicity.....	11	Fentanyl .....	32
Carnitine .....	25	Fenthion .....	55
Carvedilol.....	31	Ferrous sulphate .....	32
2C-B.....	32	Fish/marine poisoning.....	59
Chemical incidents.....	41	Flecainide .....	32
Chemical sensitivity .....	11	Fluorouracil .....	33
Chemical warfare, general .....	56	Forensic toxicology .....	16
Chemicals, general .....	43	Formaldehyde .....	46, 53
Chlorobenzylidene malononitrile.....	57	Fragrance compounds .....	46
Chloroquine .....	31	Gadolinium.....	50

Gamma hydroxybutyrate.....	33	Nitrogen mustard .....	57
Gasoline .....	48	Nitrous oxide.....	47
Gastrointestinal decontamination.....	27	NSAIDs.....	35
<i>Gloriosa superba</i> .....	58	Obidoxime .....	26
Glufosinate .....	53	Occupational toxicology .....	19
Glyphosate.....	53	Ocular toxicity.....	20
Grapes.....	58	Olanzapine.....	35
Haemodialysis.....	27	Omethoate.....	55
Hallucinogenic drugs .....	33	Organochlorine pesticides, general .....	54
Hazardous waste.....	42	Organophosphorus insecticides, general .....	54
Heparin .....	33	Oxamyl.....	53
Herbal medicines.....	33	Oximes .....	26
Heroin .....	33	Oxybenzone.....	47
Hexafluorine® .....	27	Ozone.....	41
Hexamethylene diisocyanate.....	46	Packaging .....	21
Honey.....	46	Paediatric toxicology.....	21
Household products.....	46	Paint thinner .....	47
Hydrofluoric acid .....	46	Palytoxin.....	59
Hydrogen sulphide .....	46	Paracetamol.....	29, 35
Hydroxychloroquine.....	33	Paraoxon .....	55
Hymenoptera .....	59	Paraquat.....	55
Hypoglycaemics .....	33	Parasuicide .....	22
Imidacloprid.....	54	Parathion .....	55
Indoxacarb .....	54	Pentoxifylline.....	28
Inhalation toxicity.....	17	Perfluoroalkyl derivatives .....	47
Insulin .....	27	Permethrin.....	56
Iodine.....	47	Pesticides and cancer .....	53
Iron.....	50	Pesticides, general.....	52
Isoniazid.....	33	Pethidine .....	36
Isopropyl nitrite.....	33	Petrochemicals .....	47
Ivermectin .....	54	Petrol.....	48
Kerosene .....	47	Petroleum oils .....	48
Ketamine .....	34	Phenylalkylamines .....	32
Kinetics.....	17	Phenylephrine .....	28, 36
Lead.....	50	Phenytoin .....	36
Levothyroxine .....	34	Photocopier fumes.....	48
Lindane .....	54	Pine nuts .....	58
Lipid emulsion therapy.....	27	Pirimicarb.....	53
Liquid paraffin.....	47	Plants, general .....	57
Local anaesthetics .....	34	Platinum .....	52
Losartan .....	34	<i>Plukenetia volubilis</i> .....	58
Luminescent particles .....	47	PM10 .....	41
Malathion.....	55	Poison information centres.....	23
Management, general.....	24	Poisons information .....	23
Maneb .....	54	Pollution .....	40, 42
Manganese .....	51	Polychlorinated biphenyls.....	48
Marijuana .....	31	Polycyclic aromatic hydrocarbons .....	48
MDMA .....	30	Polyurethane foam .....	48
Medical errors .....	18	Potassium cyanide.....	48
Medical ethics .....	18	Preservatives.....	48
Melamine.....	47	Propafenone.....	36
Melatonin.....	27	Proparacaine.....	28
Meperidine.....	34	Propofol .....	36
Mephedrone.....	34	Propranolol .....	36
Mercury .....	51	Propylene glycol .....	48
Metals, general .....	49	Puffer fish .....	59
Methadone.....	28, 34	Pyrethrins .....	56
Methanol .....	47	Pyrethroid insecticides, general .....	56
Methylenedioxypropylvalerone .....	32	Rattlesnakes .....	59
Methylergonovine.....	35	Red cell exchange .....	28
Mexiletine .....	35	Renal replacement therapy .....	28
Monoclonal antibodies .....	28	Reprotoxicity.....	23
Morphine .....	35	Ricin .....	56, 58
Multiple-dose activated charcoal.....	28	Riot control agents .....	57
Munchausen syndromes.....	18	Risk assessment.....	23
Mushrooms.....	58	Risperidone.....	36
Mustard gas.....	56	Rodenticides .....	56
Naloxone .....	26	Salicylates.....	36
Naltrexone .....	28	Salicylic acid.....	48
Nanoparticles .....	47	Sarin.....	57
Neonicotinoid insecticides .....	54	Scorpions.....	59
Nerve agents .....	57	Seaweed.....	58
Nickel .....	52	Selenium.....	52
Nifedipine .....	35	Sesame oil .....	28

Sibutramine .....	36	Toxicology, general .....	9
Silver .....	52	Tramadol .....	40
Silymarin .....	26	Triadimefon .....	56
Smoke .....	41	Trichloroethylene.....	49
Snake bites, general .....	59	Tricyclic antidepressants .....	40
Sodium azide .....	56	Triglycidyl isocyanurate.....	49
Solvents.....	48	Triphenyl tin.....	56
Soman.....	57	Tryptamines.....	32
Soya.....	58	Tungsten .....	52
Styrene.....	48	Uranium.....	52
Substance abuse .....	36	Valproate .....	40
Sulphur dioxide .....	41	Vancomycin .....	40
Tabun.....	57	Verapamil .....	40
Tar burns.....	48	Vipers .....	59
<i>Taxus baccata</i> .....	58	Vx .....	57
Tear gas .....	57	Warfarin .....	40
Tetrodotoxin .....	59	Water pollution.....	42
Thallium .....	52	Welding fumes .....	52
Theophylline .....	28	Xylene .....	49
Tin .....	52	Yacon .....	58
Toluene .....	49	Yew.....	58
Topiramate .....	40	Zinc.....	52
Toxic oil syndrome .....	24	Zopiclone .....	40

*Current Awareness in Clinical Toxicology* is produced monthly by the Birmingham Unit  
of the UK National Poisons Information Service.  
The NPIS is commissioned by the Health Protection Agency.

