



Analytical, Clinical and Forensic Toxicology Meeting
Grand Théâtre – Bordeaux
10-13 June 2014

Tuesday 10 June 2014

Joint workshop of SFTA & TIAFT Young scientists

W1 - Overview of oral fluid as toxicological matrix

A.VERSTRAETE

W2 - Practical considerations when using oral fluid as toxicological matrix

S.M.R. WILLE

W3 - The French experience of establishing an oral fluid roadside drug test

O. ROUSSEL, M. PERRIN-ROSSET, C. FUCHÉ, M. CARLIN

W4 - Hair as a toxicological matrix

R. KRONSTRAND

W5 - Hair analysis in DFSA cases

A.KNAPP, J. BOIS MAUBLANC, C. MAYER-DUVERNEUIL, I. ETTING, S. LEFEUVRE, J.C. ALVAREZ

W6 - Novelties in hair analysis and interpretation issues

J. BEYER

W7 - Quality controls and variability in results

L. MORINI

Wednesday 11 June 2014

Opening lecture

L1 – Poison and Opera

H.H. MAURER

Hair testing with SoHT (10 + 2 min)

Session 1

Moderators: M.BAUMGARTNER and C. JURADO

Hair testing in pediatric population

O1 - Contribution of *in-utero* drug exposure when interpreting hair results in young children

P. KINTZ

O2 - Cannabinoid findings in children hair – what do they really tell us?

B. MOOSMANN, N. ROTH, M. HASTEDT, A. JACOBSEN-BAUER, F. PRAGST and V. AUWARTER

O3 - Cannabinoids in young children hair: preliminary data from some cases

S. DULAURENT, P. COMPAGNON, M. WINCKEL, G. LACHATRE, P. KINTZ, A. MORLA, D. ALLORGE, JM. GAULIER

O4 - Cases of chronic systemic cannabis exposure in young children determined by hair analysis

J. GARERI, M. WARD, G. KOREN

O5 - Amitriptyline poisoning of a baby: how informative can be hair analysis ?

H. EYSSERIC, N. ALLIBE, P. KINTZ, M. BARTOLI, A.P. MICHARD-LENOIR, F. STANKE, V. SCOLAN

Session 2

Moderators: R. KRONSTRAND and L.TSANACLIS

Interpretation of hair findings, population data, case reports

O6 - Intoxications (DFC) detected by hair analysis of bleached and non-bleached hair
S. S. JOHANSEN, C. N. WINDBERG

O7 - Evaluation of hair analysis with socio-demographic profile of crack users in Brazil

M. ANDRAUS, L. TSANACLIS, M. RIBEIRO, R. LARANJEIRA, C. PISANESCHI, M. SALVADORI, J. WICKS

O8 - Metabolite-to-parent drug concentration ratios in hair to study metabolism? The case of CYP1A2 phenotyping

P.M.M. DE KESEL, W.E. LAMBERT, C.P. STOVE

O9 - Segmental hair analysis from patients in opiate substitution treatment is useful to investigate drug use history, abstinence and compliance with treatment

T. SELDEN, L. BERGLUND, H. DRUID, A. HÅKANSSON, and R. KRONSTRAND

O10 - Pesticide concentration in hair of animals under controlled exposure

B.M.R. APPENZELLER, E. HARDY, N. GROVA, G. SALQUEBRE, H. SCHROEDER, R. DUCA

O11 - Differentiation between chewing of coca leaves and abuse of cocaine by hair analysis

N. C. RUBIO, M. HASTEDT, J. GONZALEZ, F. PRAGST

O12 - Analysis of Chilean mummies' hair: Recent advances for their characterization

M. FRESNAIS, P. RICHARDIN, A. CHARRIE, N. GANDOLFO, M. SEPULVEDA, E. LEIZE-WAGNER

Session 3

Moderators: F. PRAGST and M. VINCENTI

Alcohol markers

O13 - Interpretation of hair ethyl glucuronide inter-individual factors from large population dataset

M. VINCENTI, S. PELLEGRINO, V. PIRRO, A. SALOMONE

O14 - Alcohol consumption vs. hair EtG concentration in alcohol dependent individuals; role of gender differences

C.L. CRUNELLE , D. CAPPELLE , M. YEGLES , A.L.N. VAN NUIJS , A. COVACI , H. NEELS

O15 - Determination of EtG in body hair samples for monitoring of teetotalism: a suitable alternative to scalp hair locks?

M.R.BAUMGARTNER, T.M.BINZ, T.KRAEMER

O16 - Ethyl glucuronide in plant extracts - F. SPORKERT, A. SIZUN, C. GIROUD

O17 - A comparison between serum carbohydrate-deficient transferrin and hair ethyl glucuronide in detecting chronic alcohol consumption

V. BIANCHI , C. ARFINI, S. PREMASCHI, A. RASPAGNI, S. SECCO, M. VIDALI

Session 4

Moderators: D. FAVRETTO and M.YEGLES

Analytical approaches

O18 - Chiral analysis of methadone and its main metabolite EDDP in hair: incorporation depending on hair colour, hair pigmentation, and metabolizer status

M.FISICHELLA, A.E.STEUER, T.KRAEMER, M.R.BAUMGARTNER

O19 - Identification and quantification of THC-COOH glucuronide in hair by ultra-performance liquid chromatography tandem mass spectrometry

S. PICHINI, S. MARTELLO, M. GOTTARDI, E. MARCHEI, M. PELLEGRINI, F. SVAIZER, A. LOTTI, R. PACIFICI, M. CHIAROTTI

O20 - Hair analysis of amphetamine-type stimulant drugs (ATS), including synthetic cathinones and piperazines, by LC-MSMS

E. LENDOIRO, C. JIMÉNEZ-MORIGOSA, A. CRUZ, M. LÓPEZ-RIVADULLA, A. DE CASTRO

O21 - Testing for 18 synthetic cannabinoids in hair using HPLC-MS/MS : method development and validation and its application to authentic samples

V. CIRIMELE, N. KLINGER, M. ETTER, M. DUEZ, L. HUMBERT, J.M. GAULIER, D. ALLORGE

O22 - Quantification of 22 synthetic cannabinoids and 10 metabolites in human hair

A.SALOMONE, E. GERACE, C. LUCIANO, D. DI CORCIA, M. VINCENTI

O23 - Hair analysis for synthetic cannabinoids: how does handling of herbal mixtures during forensic analysis affect the analyst's hair concentrations?
V. AUWÄRTER, M. HUTTER, M.A. NEUKAMM, B. MOOSMANN

Thursday 12 June 2014

New analytical developments with CCCTA (12 + 3 min)

Session 1

Moderators: M. AUGSBURGER and J.M. GAULIER

O24 - Supported ionic liquids towards contactless hair decontamination
J. RESTOLHO, M. BARROSO, B. SARAMAGO, M. DIAS, C. AFONSO

O25 - HPLC-HRMS vs UPLC-MS/MS for a systematic toxicological screening in hair
S. VOGLIARDI, M.TUCCI, A.NALESSO, G. STOCCHERO, SD FERRARA, D. FAVRETTO

O26 - Validation of a GC-MS/MS method for the determination of cannabinoids in whole blood with respect to the requirements of the NF EN ISO 17025
F.AKNOUCHE, E.GUIBERT, K.FARGEOT, A.TESSIER, P.KINTZ

O27 - A validated method for quantifying atractyloside and carboxyatractyloside in blood and urine by HPLC-HRMS/MS, a non-fatal case of intoxication with *Atractylis gummifera* L.
J. CARLIER, L. ROMEUF, J. GUITTON, F. BEVALOT, L. FANTON, Y. GAILLARD

O28 - Use of QuEChERS salts: biological and forensic toxicological applications
S. DULAURENT, G. LACHÂTRE, JM. GAULIER

O29 - Δ^9 -Tetrahydrocannabinol concentrations in exhaled breath related to physiological effects following cannabis smoking
L. COUCKE, E. MASSARINI, Z. OSTIJN, O. BECK, A. VERSTRAETE

Session 2

Moderators: H. MAURER and C. STAUB

O30 - Comparing the performance of HR-TOFMS and immunoassay for urine drug screening
M. SUNDSTRÖM, A. PELANDER, I. OJANPERÄ

O31 - Comprehensive non-MS drug screening by UPLC-PDA-CAD with durable quantitative calibration
J. VIINAMÄKI, I.OJANPERÄ

O32 - A validated method for quantifying hypoglycin A in body fluids by UHPLC-HRMS/MS - J. CARLIER, J. GUITTON, F. BEVALOT, L. FANTON, Y. GAILLARD

O33 - Quantification of morphine, 6-monoacetylmorphine, cyamemazine, meprobamate and caffeine in 11 fluids and tissues, using automated solid-phase extraction and gas chromatography–tandem mass spectrometry
F. BÉVALOT, N. CARTISER, C. BOTTINELLI, C. CHATENAY, J GUITTON

Forensic Toxicology with BLT (12 + 3 min)

Session 1

Moderators: I. OJAMPERA and A. VERSTRAETE

O34 - Castor bean self-poisoning: report of a case with blood and urine ricinine measurements

G. HOIZEY, A. VILLA, M. CHEZE, J. LANGRAND, S. MOHEBBI, A. MUCKENSTURM, G. PEPIN, M. DEVEAUX, R. GARNIER

O35 - Fitness to drive and cannabis: experimental and real-life case study validation of two blood THCCOOH thresholds to distinguish occasional users from heavy smokers

C. GIROUD, M. FABRITIUS, M. AUGSBURGER, H. CHTIOUI, B. FAVRAT

O36 - Driving under the influence of cocaine or therapeutic administration of cocaine?
M. AUGSBURGER, C. WIDMER, J. DEGLON, P. MANGIN

O37 - Unexpected benzodiazepine findings in three forensic toxicological cases
K. MAUDENS, L. PATTEET, V. COUCKE, H. NEELS

O38 - Determination of GHB concentrations in postmortem samples : a case series and comparison between matrices

J. LELONG, B. BRUNET, P. KINTZ, P. MURA

Session 2

Moderators: R. WENNIG and S. WILLE

O39 - Death by self-mutilation after cannabis consumption in a patient with cortical dysplasia

C. SASTRE, V. BAILLIF-COUNIOU, M. CHEZE, M. DEVEAUX, P. KINTZ, M.D. PIERCECCHI-MARTI, G. LEONETTI, A.L. PELISSIER-ALICOT

O40 - The effect of the national drug law reform on the incidence of 3,4-methylenedioxypyrovalerone (MDPV) among users of illegal drugs in Finland

P.KRIKKU, J.RINTATALO, L.WILHELM, I.OJANPERÄ

O41 - Dark Web shopping: a case report of a cyanide suicide

G. TOURNEL, E. LE GARFF, L. HUMBERT, J.-F. WIART, A. GARAT, V. HEDOUIN, D. ALLORGE

O42 - Two case-reports of intoxication with T61®, a mixture used in veterinary medicine.

B. LELIEVRE, C. ABBARA, H. BENATRE, S. FEREC, M. BRETAUDEAU, C. GEGU, C. BRUNEAU, D. BOELS, P. HARRY, A. TURCANT, B. DIQUET

Friday 13 June 2014

Toxicologie hospitalière avec la SFTA (12 + 3 min)

Session 1

Modérateurs: D. ALLORGE and P. HANTSON

O43 - Use of digoxin-specific Fab antibody fragments in two cases of life-threatening coconut crab (*Birgus latro* L.) poisoning.

Y. BARGUIL, C. MAILLAUD, M. CHEZE, M. MIKULSKI, H. LE COQ SAINT GILLES, E. HNAWIA, N. LÉBOUVIER, G. HOIZEY, M. DEVEAUX, G. PEPIN, M. NOUR

O44 - Dosage des amatoxines (α -amanitine, β -amanitine) et de la phalloïdine dans les urines par LC-HR-MS

T. GICQUEL, S. LEPAGE, O. TRIBUT, B. DURETZ, I. MOREL

O45 - Le dosage du cobalt chez les patients porteurs de prothèses de hanche en métal - V. MISTRETTA, C. CHARLIER

O46 - Intoxication cannabique chez les nourrissons par ingestion accidentelle de résine de cannabis : vers une banalisation ?

E. PAPE, J. SCALA-BERTOLA, J.Y. JOUZEAU, F. LAPICQUE, E. ABE, N. GAMBIER, J.C. ALVAREZ

O47 - Analyse d'une série de cas d'exposition au cannabis chez des nourrissons et des jeunes enfants : intérêt des prélèvements capillaires.

F. LAMOUREUX, C. DUBOS, S. DULAURENT, JM. GAULIER, P. COMPAGNON

Session 2

Modérateurs: P. NISSE and A. TURCANT

O48 - Intoxication aiguë à la bétadine alcoolique® : à propos d'un cas

A-S. LEMAIRE-HURTEL, S BODEAU, Y BENNIS, M. ANDREJAK, E. LOBJOIE, D. CHATELAIN, J-M. GAULIER

O49 - Apport de l'exploration pharmacocinétique et pharmacogénétique dans la prise en charge d'un syndrome d'intolérance aux neuroleptiques suite à l'administration de Loxapac®

J. DESCOEUR, L. PHILIBERT, K. CHALARD, J. ATTA, K. KLOUCHE, O. MATHIEU

O50 - Toxicocinétique de la trimébutine et son métabolite après une intoxication à issue fatale

C. MAYER-DUVERNEUIL, I.A. LARABI, J. CHELLY, F.BAUD, J.C ALVAREZ

O51 - Suivi du baclofène et de ses métabolites en LCMS Haute Résolution
L LABAT, AR MARQUES, B DURETZ, B GRANGER, H EYSSERIC, X DECLEVES

O52 - E-cigarette et acidose lactique : cherchez le propylène glycol !
A. GARAT, D. ALLORGE, P. NISSE, M. KAUV, D. MATHIEU, M. MATHIEU-NOLF

O53 - Psychostimulants de synthèse en accès sur Internet : à propos de 4 nouveaux cas cliniques d'exposition (2C-T-4, 6-APB, 6-APDB, 5-MeO-DALT).
S. FEREC, L. GANDEMER, M. PETERS, D. BOELS, M. BRETAUDEAU, B. LELIEVRE, C. GEGU, C. BRUNEAU, A. TURCANT

Posters

P1 - GC-MS or GC-MS/MS for the determination of ethyl glucuronide in hair?
D. CAPPELLE, C.L. CRUNELLE, A.L.N. VAN NUIJS, M. YEGLES, A. COVACI, H. NEELS

P2 - The detection of propofol glucuronide in human hair using LC-MS/MS: Case study and survey of high-risk health professionals
J. JONES, M. JONES, C. PLATE, D. LEWIS

P3 - Hair and whole blood matrix effect in identification of a model analyte and determination of its limit of detection - W. LECHOWICZ

P4 - Multi-residue analysis of organic pollutants in hair and urine for matrices comparison - E. HARDY, R.DUCA, G.SALQUEBRE, B.M.R. APPENZELLER

P5 - Hair analysis in the workplace: global harmonisation required
J. NUTT, L. TSANACLIS, S. BEVAN, K. BAGLEY, J. WICKS

P6 - Hair desorption of the sulphur mustard simulants methyl salicylate and 2-chloroethyl ethyl sulfide following vapour exposure
M. SPIANDORE, A. PIRAM, A. LACOSTE, D. JOSSE, P. DOUMENQ

P7 - Degradation of Ethyl glucuronide by hydrogen peroxide and a non-destructive assay for oxidative hair treatment using infra-red spectroscopy
R. BECKER, D. AMMANN, A. KOHL, I. NEHLS

P8 - The influence of cleansing shampoos on ethyl glucuronide concentrations in hair analyzed with an optimized and validated LC-MS/MS method
T.M.BINZ, M.R.BAUMGARTNER, T.KRAEMER

P9 - A closer look to the effect of external influences on cocaine in hair using imaging mass spectrometry

E. CUYPERS¹, B. FLINDERS, I. BOSMAN, K. LUSTHOF, A. VAN ASTEN, J. TYTGAT, R.M.A. HEEREN

P10 - Removal of environmental contamination of polybrominated diphenyl ethers (PBDEs) in human hair - Clinical and research implications

S.POON, A.CARNEVALE, B.KAPUR, C.GOODYER, G.KOREN

P11 - Shift in drug consumption at persons in Swiss abstinence monitoring programs?

F. E. DUSSY, S. HANGARTNER, T. A. BRIELLMANN, V. DITTMANN

P12 - Determination of UR 144, XLR-11 and their metabolites in hair by LC/MS/MS

M.J. PARK, D.W. KIM, J.Y. JO, J.H. KIM, H.J. CHANG, Y.H. PARK

Distribution patterns of frequently prescribed veterinary drugs in horse hair

P13 - M.M.MADRY, B.S.SPYCHER, J.R.KUPPER, H.NAEGELI, A.FUERST, M.R.BAUMGARTNER, T.KRAEMER

P14 - Post mortem hair analyses confirm use of drugs not detected in blood

G. HOISETH, L. MORINI, C. SEMPIO, S. ROGDE, K.B. ELDOR, R. KARINEN, A. M. L. OIESTAD

P15 - Preparation of longitudinal sections of hair samples for analysis by multi-modal mass spectrometry imaging.

B. FLINDERS, E. CUYPERS, H. ZEIJLEMAKER, R. M. A. HEEREN

P16 - Hair analysis for synthetic cannabinoids: a study on the issue of passive contamination by side-stream smoke

M. HUTTER, H.C. RUDLOFF, B. MOOSMANN, V. AUWÄRTER, M.A. NEUKAMM

P17 - Analytical evaluation of newly developed enzyme-linked immunosorbent assay kit for the detection of tramadol and the metabolite O-desmethyl tramadol in urine and blood

L. STEWART, J. DARRAGH, M.E. BENCHIKH, M.L. RODRIGUEZ, R.I. McCONNELL, S.P. FITZGERALD

P18 - Rapid determination of THC and THC-COOH in Oral Fluid by using LC/MS/MS technique in a "dilute & shoot" approach

J. P. PASCALI

P19 - A narcotic train can hide a traumatic brain

P. BERNADET, O. CASSONE, K. TITIER, V. DUMESTRE-TOULET, A. COURTOIS, M. LABADIE

P20 - MDMA and life-threatening complication: a propos of 2 unusual cases

H.GÉNIAUX, K.TITIER, N.CASTAING, M.GRITON, M.VIDECOQ, G.MIREMONT-SALAMÉ, A.DAVELUY, F.HARAMBURU, M.MOLIMARD

P21 - Paradoxal use of stimulants in drug-facilitated crime

O. VIEIRA, A. MOAL, N. MILAN, P. SIBILLE, G. DEFFONTAINE, M.H. GHYSEL-LAPORTE

P22 - Apport de l'analyse toxicologique large spectre en urgence dans une intoxication à la lercanidipine et au telmisartan réfractaire à la prise en charge cardiovasculaire initiale basée sur l'anamnèse et les signes cliniques

J. LEBRUN, S. MACHADO, D. HILLAIRE-BUYS, K. KLOUCHE, O. MATHIEU

P23 - Simultaneous oral fluid analysis of cathinones, amphetamines, opiates, cocaine and cannabinoids by LC-MS/MS in oral fluid consumers attending a music festival

JC.BOYER¹ J.CROUZET, E.CHAUDEMESSE, A. TATARIS, S.LUMBROSO

P24 - Difficulty of interpreting blood levels of methadone in the context of research into the causes of death: about three cases.

JC.BOYER, A.DORANDEU, G.LALANDE, S.LUMBROSO

P25 - L'acidose lactique précoce lors de l'intoxication massive au paracétamol : un trouble métabolique parfois méconnu

M. GRÉGOIRE, C. BRETONNIERE, G. DESLANDES, C. MONTEIL-GANIERE, R. BOUQUIÉ, E. DAILLY, C. RENAUD, C. AZOULAY, A. PINEAU, H. GRISON-HERNANDO, P. JOLLIET

P26 - Evaluation d'une nouvelle technique immunoenzymatique de dépistage urinaire du tramadol en addictologie

I.A.LARABI, Y.ZEBBICHE, E.ABE, N. MEUNIER, S.BALESTER-MOURET, J.C. ALVAREZ, A.HULIN

P27 - Dosage du Baclofène dans le sérum par chromatographie liquide HPLC en mode HILIC couplée à la spectrométrie de masse en tandem

M. LAVIT, P. SERAISSOL, N. FRANCHITTO, P. GANDIA, G. HOUIN

P28 - Intérêt du suivi toxicocinétique : à propos de 5 cas d'intoxications aiguës médicamenteuses

G. DESLANDES, C. MONTEIL-GANIERE, R. BOUQUIE, E. DAILLY, D. BOELS, C. RENAUD, C. AZOULAY, A. PINEAU, M. GREGOIRE, H. GRISON-HERNANDO, D. VILLERS, P. JOLLIET

P29 - Oesophageal and gastric obstruction in a cocaine body packer

P. HANTSON, A. CAPRON, J.F. MAILLART

P30 - Acute heart failure after venlafaxine overdose: post-mortem myocardial examination in two cases

M. BATISTA, S. FONSECA, J.P. COSYNS, V. HAUFROID, A. CAPRON, P. HANTSON

P31 - Seizures and sustained encephalopathy following an accidental 4-aminopyridine overdose

M. BALLEST MÉNDEZ, V. VAN PESCH, A. CAPRON, P. HANTSON

P32 - Symptomatic methemoglobinemia in a home hemodialysis patient and tolerance of methylene blue

C. VAN ENDE C, V. HAUFROID, E. MARION E, J. MORELLE, P. HANTSON

P33 - Rôle du toxicologue dans la prise en charge des intoxications secondaires aux pratiques thérapeutiques inhabituelles

A.BENDJAMAA, D. BOULKRINAT, CHELIGHEM, M.A. CHEKKOUR, B. ALAMIR

P34 - Unexpected cardiac arrhythmias during the course of a disulfiram-ethanol reaction - N. DE SCHRYVER, P. HANTSON

P35 - Stability of bloodstains on various supports

C. JAMEY, A. TRACQUI, B. LUDÉS, JS. RAUL

P36 - Evaluation of fetal exposure to environmental pollutants by quantification of volatile organic compounds, pesticides and associated metabolites in meconium

M. MEYER-MONATH, V. GALVANI, I. MOREL, F. ROUGET, F. LESTREMAU

P37 - Development of a simple and rapid method for the determination of cannabis and its derivatives on whole blood.

J GROSJEAN, T ROBERT, S SAPPER, A CHEIZE, C DOCHE

P38 - Susac syndrome in a chronic cocaine abuser: a synergistic role of levamisole?

V. DI FAZIO, V. VAN PESCH, T. DUPREZ, M. DEL MAR RAMIREZ FERNANDEZ, N. SAMYN, P. HANTSON

P39 - Predictive value of meconium concentrations of buprenorphine and methadone in neonatal abstinence syndrome (NAS)

A.CESBRON, A. BENOIT, M.FIANT, B.GUILLOIS, A.COQUEREL, M.LOILIER

P40 - A case report of persistent near-fatal anion gap acidosis due to a massive gamma-butyrolactone (GBL)/ethanol intoxication

H. NEELS, L. HEYTENS, G. DOCKX, S. SCHOUWERS, C.L. CRUNELLE

P41 - Comparison of respiratory toxicity induced by two paraoxons in rat – research of toxicokinetic/toxicodynamic relation

S.SALLE, L.CHEVILLARD, P.RISEDE, F.COTTIN, O.ROUSSEL, P.HOUZE

P42 - Drugs of abuse testing in dry oral fluid spot

S. STOYKOVA, V. ATANASOV

P43 - Intérêt d'un screening large en addictologie. Retour d'expérience sur un centre d'addictologie ambulatoire et un service hospitalier.

J GROSJEAN, C MORANDINI, JL VOIRON, C PENAS,P BERENGER, C DOCHE

P44 - Detection and determination of methadone in oral fluid from patients admitted to a drug-maintenance program

S. STOYKOVA, K. KANEV, V. ATANASOV

P45 - Rapid analysis of synthetic cannabinoids in urine using solid phase extraction and LC/MS-MS - C. SUISENG, M. TRASS, S. HUQ, S. SADJADI

P46 - Interest of analyzing dry toilets and urinal waste collected during an electronic music festival to monitor the use of recreational drugs
N.CARTISER, C.BOTTINELLI, A. BOUCHER, F.BEVALOT

P47 - Methemoglobinemia following Dapsone poisoning (DDS)
S. ACHOUR, A. EL ATTARI, I IKEN, M. MEZIANE, B.EL YOUSSE, A. AMARTI, F.Z. MERNISSI

P48- Death by 4-methylethcathinone (4-MEC) overdose: a case report
C. BOTTINELLI, F. BEVALOT, A. BOUCHER, C. LE MEUR, L. FANTON

P49 - Collective poisoning by *Atractylis gummifera* L
S.ACHOUR, I.IKEN, A.ATTARI,A. AMARTI, M.HARANDOU

P50 - Fatal poisoning by 2-4 dichlorophenoxyacetic acid: about two cases
I.IKEN, A.DERKAOUI, M MALKKI, A. ATTARI, S.BESRI, A.AMARTI, M.KHATOUF,S. ACHOUR

P51 - Respiratory depression induced by a decoction of *papaver somniferum* L. in two infants - I.IKEN, A.ATTARI, A. AMARTI, S.ACHOUR

P52 - Forensic alcohol analysis: Analytical Requirements and problematics of interpretation - A. BENDJAMAA, N. ABOUREJA, H. ATTALLAH, H. Rezk – KALLAH

P53 - Automated sample clean-up for a comprehensive forensic toxicology urine screening LC-MS/MS Method - A.TAYLOR, M. JARVIS, D.LEACH, C. COLLINS

P54 - Capillary electrophoresis - mass spectrometry for the forensic analysis of cathinone drugs and metabolites - A.TAYLOR, M. JARVIS, J. HUDSON

P55 - Tableau clinique d'une ingestion de colchicine illustré par un suivi toxicocinétique - P. NISSE, C. CHARON, B. MEGARBANE

P56 - Effect of variation in site and time on the level of ethanol and methanol in postmortem blood samples
R. DARWISH, S. KAMEL, A. MOHAMED

P57 - Acute ivabradine intoxication management in a critical care unit: Need for constant interaction between biological and clinical wards to follow new drug intoxication cases.
M. SOICHOT, E. BOURGOGNE, A. CHECINSKI, F.J. BAUD, O. LAPREVOTE

P58 - Monitoring of hydroxychloroquine and its metabolites after a massive ingestion: Are there contributive to poisoned patient management in the intensive care unit?
E. BOURGOGNE, P. HOUZE, M. SOICHOT, L. CHEVILLARD, F.J. BAUD, I. MALISSIN, B. MEGARBANE, O. LAPREVOTE

P59 - Evaluation de l'amélioration en sensibilité en utilisant une source ESI haute température pour différents composés d'intérêt médico-légal

L. HUPPERTZ, J. KEMPF

P60 Criblage exhaustif en toxicologie clinique avec une nouvelle solution LC-MSn basée sur une Trappe Ionique

M. MEYER, C. GEBHARDT, B. SCHNEIDER, S. GOTZ, L.M. HUPPERTZ, S. VOGT, J. KEMPF

P61 - Implementation of a systematic toxicological screening method for post-mortem analysis using a UPLC-QToF MS system

N. CARON, G. PROVENCHER, S. TRÉMOLET, N. FLEURY, M. LEFEBVRE