



INTERNATIONAL
ASSOCIATION OF
THERAPEUTIC DRUG
MONITORING AND
CLINICAL TOXICOLOGY



April 2020 | IATDMCT Monthly E-News



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IMPORTANT ANNOUNCEMENTS

2020 IATDMCT Membership Renewal Reminder

Join us in maintaining the IATDMCT membership at a high level!. We look forward to inspiring many further colleagues who are interested in precision medicine to connect with us and to be part of IATDMCT. Our aims are to advance education, advocate networking, and to continue promoting a standard of practice in TDM and CT.

Please ensure you renew your membership in order to retain your IATDMCT member benefits.

» Click here to renew today

News from the Communication Committee

The CC would like to remind that via the website IATDMCT offers assistance to members who are either looking for a new professional position (job, PhD, Post-Doc) in the field of TDM/CT or are seeking assistance in advertising vacancies at their institution. To do this simply go to <https://www.iatdmct.org/members-only/members-only-employment.html> and complete the respective inquiry form. Take advantage of networking in IATDMCT!

Even in these challenging times, IATDMCT continues to support laboratory medical and technical professionals, toxicologists, pharmacologists as well as our colleagues in biotechnology and supplier companies. Some of our members are currently conducting clinical tests for COVID-19 and/or trying to introduce new biomarkers to monitor recovery. Thank you, we salute you!

Below please find informative links about the current situation which specifically address the rapid identification of COVID-19 cases as well as methods to eliminate errors or adverse reactions due to interaction of drugs:

Some suggested readings

- Drugs used to treat COVID-19 that may interact with other medication:
[Liverpool COVID-19 Interactions](#)
- Centre for Disease Control via NIH and Biosafety
<https://www.nih.gov/coronavirus>
<https://www.cdc.gov/coronavirus/2019-ncov/lab/biosafety-faqs.html>
- ASPX
<https://www.interactivehandbook.com/Compatibility.aspx>
- New England Journal of Medicine opened all articles regarding Covid-19
<https://t.co/fkKzCwma7t>
- McMaster University
<https://www.mcmasterforum.org/find-evidence/guide-to-covid-19-evidence-sources>

PUBLISHED AHEAD-OF-PRINT IN *THERAPEUTIC DRUG MONITORING* – LATEST UPDATE

Stay ahead with the latest scientific research developments in the fields of TDM and CT!

The monthly *Therapeutic Drug Monitoring* Column provides you with the latest posts of ahead-of-print. Bringing to you articles posted online in March-April 2020:

Review Articles:

- Exposure Variability and Target Attainment of Vancomycin: A systematic review comparing intermittent and continuous infusion.
By Yamada, Takaaki; Zhang, Mengyu; Masuda, Satoshiro.
- Drug Exposure in Newborns: Effect of Selected Drugs Prescribed to Mothers During Pregnancy and Lactation.
By van Maarseveen, Erik M.; Gipmans, Suzan G.H.; van Zanten, Arthur R.H.



Original Articles:

- Evaluation of Assays to Measure Aminoglycosides in Serum: Comparison of Accuracy and Precision Based on External Quality Assessment.
By Li, Mengya; Ma, Lingyun; Chen, Chaoyang; Lei, Lili; Zhai, Xingyu; Luo, Daohuang; Zhou, Ying; Cui, Yimin.
- Screening for Opioid and Stimulant Exposure in utero via Targeted and Untargeted Metabolomics Analysis of Umbilical Cords.
By Mamillapalli, Srivalli Swathi; Smith-Joyner, Annalisa; Forbes, Lauren; McIntyre, Kadesha; Poppenfuse, Samantha; Rushing, Blake; Strom, Cody; Danell, Allison; May, Linda; Kuehn, Devon; Kew, Kimberly; Ravisankar, Srikanth.
- Cefotiam Treatment in Children: Evidence of Subtherapeutic Levels.
By Kan, Min; Wu, Ling; Zhou, Xin-Wei; Jiang, Yong-Fang; Wu, Yue-E; Shi, Hai-Yan; Hao, Guo-Xiang; Zheng, Yi; Su, Le-Qun; Huang, Xin; Zhao, Wei.
- Oral Fluid to Blood Concentration Ratios of Different Psychoactive Drugs in Samples from Suspected Drugged Drivers.
By Bakke, Eirin; Høiseth, Gudrun; Furuhaugen, Håvard; Berg, Thomas; Arnestad, Marianne; Gjerde, Hallvard.
- A simple and robust LC-MS/MS analytical method for therapeutic drug monitoring of plasma and cerebrospinal fluid polymyxin B1 and B2.
By Wang, Peile; Zhang, Qiwen; Qin, Zifei; Xing, Han; Xu, Min; Pei, Hui; Yang, Jing; Zhang, Xiaojian.
- Is Salivary Busulfan the Cause of Oral Mucositis and the Changes in Salivary Antioxidant Enzymes After Hematopoietic Cell Transplantation?
By Eduardo, Fernanda de Paula; Bezinelli, Leticia Mello; Carvalho, Danielle L. C.; Ferreira, Mariana Henriques; Gobbi, Marcella; Rosin, Flavia C. P.; Ferreira, Carlos Eduardo dos Santos; Costa, Lidiane Soares Sodre da; Hamerschlak, Nelson; Corrêa, Luciana.

Short communication:

- A Comparison of Tenofovir Pre-dose Concentrations in Generic Pre-exposure Prophylaxis Formulations: A Short Communication.
By Cattaneo, Dario; Gervasoni, Cristina; Vinti, Pietro; ChemD, Sara Baldelli; Fusi, Marta; Zagato technician, Donatello; De Bona, Anna; Suardi, Elisa; Bossolasco, Simona; Ancona, Giuseppe; Rossotti, Roberto; Cernuschi, Massimo.

Case reports:

- Subtherapeutic Linezolid Concentration in a Patient with Bullous Pemphigoid Complicated by MRSA Infection: a Case Study.
By Chen, Congqin; Zhang, Min; Chen, Hong; Fang, Jie.

Submit your high quality research – Information for authors.

April Blog: Interview with Florian Lemaitre, IATDMCT Young Scientist Oral Presentation Prize Winner

This month's interview is one we did at the end of last year with Young Scientist Florian Lemaitre. Florian was awarded the best YS oral prize for his presentation concerning long-term follow up after monitoring of intracellular tacrolimus concentrations and pharmacodynamic biomarkers in liver transplant patients.



Florian Lemaitre
IATDMCT Young Scientist Oral Presentation Prize Winner
Assistant Professor, School of Medicine
Clinical Pharmacologist
Rennes University Hospital, France

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IATDMCT Events Calendar – 2020 Updates Requested



Are you aware of additional events of potential interest for the IATDMCT society? Share this information with your IATDMCT colleagues by posting it on our Events Calendar.
» [Click here to Post an Event on our Online Events Calendar today!](#)

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Visit the [IATDMCT Events Calendar](#) and stay informed about the upcoming TDM and CT Meetings. By doing this you can comfortably and directly reach all related online

resources.

Summary of Upcoming Events



13 – 16 September
2020

18th International Congress of Therapeutic Drug Monitoring & Clinical Toxicology
2020
Banff, Canada

Deadline for Abstract submissions: **April 30 2020.**

» [Click on the event title for details](#)

Contact E-News



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