



INTERNATIONAL
ASSOCIATION OF
THERAPEUTIC DRUG
MONITORING AND
CLINICAL TOXICOLOGY



March 2020 | IATDMCT Monthly E-News



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MEMORANDUM OF UNDERSTANDING FOR COLLABORATION BETWEEN IATDMCT AND ACCP SIGNED



ACCP
AMERICAN COLLEGE OF CLINICAL PHARMACOLOGY®
Advancing Clinical Care through Pharmacology®



INTERNATIONAL
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The IATDMCT Executive Committee is delighted to announce that the negotiations with the American College of Clinical Pharmacology (ACCP) are completed. The two societies signed a Memorandum of Understanding for the purpose of working together to develop, plan and conduct various educational events and programs and to develop and produce research and policy papers/statements relevant to the fields of clinical pharmacology, therapeutic drug monitoring and clinical toxicology. As an initial effort put forth by the ACCP and IATDMCT is the joint development of a scientific symposium that will be included in the program of the 18th IATDMCT Congress in Banff, Canada, 13–16 September, 2020 (www.iatdmct2020.org). The organization of this symposium will be led by the Drs. Penny Colbourne and David Kinniburgh for IATDMCT and Drs. Natella Rakhmanina and John van den Anker for ACCP. Additional efforts might include, but not be limited to, joint manuscripts or Position Papers/Policy Statements as well as the joint development of a Proposal for the 2021 ACCP Annual Meeting.

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CALL FOR NOMINATIONS FOR AWARDS – 2020

Deadline April 15, 2020

The Call for Nominations for the 2020 IATDMCT awards is open!

This year you are invited to nominate individuals for the following two awards:

- C.E. Pippenger Award (Presented for Outstanding Contributions to Therapeutic Drug Monitoring)
- Victor Armstrong Young Investigator Award (Presented to a Young Investigator for Exceptional Scientific Achievements Early in his/her Career)

The Call for Nominations is open until **April 15, 2020**. The award presentations will take place at the Opening Ceremony of the 18th IATDMCT Congress in Banff, Canada.

For more information please refer to the specific awards for the terms of reference and nomination and application guidelines by using the hyperlinks provided [on this page](#).

» [Click here to contact the Awards Committee Chair, Teun van Gelder, or to submit your nomination](#)

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2020 MEMBER-GET-A MEMBER CAMPAIGN – THE COMPETITION IS ON!

Deadline: August 31, 2020

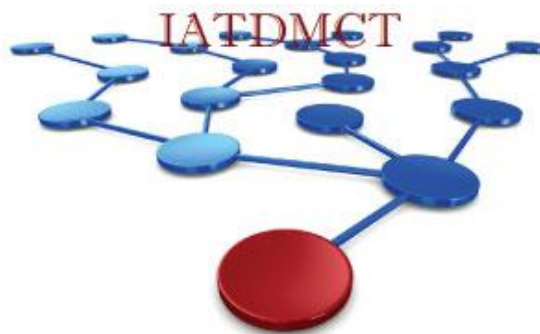
Every IATDMCT member is invited to participate and compete for the prize: one free registration fee for the Banff Congress 2020!

Leaderboard!

There is currently a 5-way tie for the lead among the following members who have referred new members: Mitsuru Sugawara, Yoh Takekuma, Nicolas Venisse, Peter Galettis, and Penny Colbourne

Be active for IATDMCT, take part in the new campaign, and win the prize! Do not miss this excellent opportunity.

Visit the IATDMCT webpage for complete participation details!



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18TH CONGRESS IN BANFF, CANADA, 13–16 SEPTEMBER 2020!



Abstract submission

Interested in presenting an oral or poster at IATDMCT 2020? A reminder that abstract submission closes on 31 March, 2020.

Full submission instructions and guidelines can be accessed via [Abstract Submission Form](#).

IMPORTANT DATES

- March 31st, 2020: Deadline for submission of abstracts
- May 31st, 2020: Abstract notification to authors
- June 30th, 2020: Deadline for early registration

Travel grants

If you are a scientist with 10 years or less experience in the field of TDM or clinical toxicology, or a scientist from a developing country (see [IATDMCT membership application information](#)) you may consider to apply. More information on

eligibility requirements and the application process can be found at www.iatdmct.org/awards/international-travel-grant.html.

According to the decision of the Executive Committee we will offer the grants covered by 1,000 USD each, to attend the IATDMCT Congress in Banff, Canada.

Travel Grant applications close 30 April 2020.

[View the Banff Congress website...](#) | [Top](#)

COMPASS MARCH 2020 – DOWNLOAD YOUR E-FORMATS TODAY!

The March Compass is now available.

In this issue:

- For the Era of Precision Dosing
- Welcome the New Members of IATDMCT Committees
- Fingerprints - An Alternative Sampling Matrix for Therapeutic Drug Monitoring?
- Report on The Symposium Therapeutic Drug Monitoring of Immunosuppressants: Clinical Challenges and Analytical Issues at the 16th Congress of The Asian Society of Transplantation
- Model Based Dosing in Critically Ill Patients: To TDM Or Not to TDM Of Beta-Lactam Antibiotics and Ciprofloxacin and the Effects on Clinical Outcome
- Assessing Bioequivalence of Topical Drug Products by Tape-Stripping the Stratum Corneum. Are We There Yet?
- Therapeutic Drug Monitoring: A Look Back and Into the Future
- Spotlight on New Members
- Explore New Frontiers in The Canadian Rockies!

Available in your choice of format. Note: You must be logged in to access these download links.



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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 February 2020:

Review Articles:

- Significance of ethnic factors in immunosuppressive therapy management after organ transplantation.
By Yamada, Takaaki; Zhang, Mengyu; Masuda, Satoshihiro.
- Drug Exposure in Newborns: Effect of Selected Drugs Prescribed to Mothers During Pregnancy and Lactation.
By Rentsch, Katharina M.

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.
- Impact of Age and Genotype on Serum Concentrations of Valproic Acid and Its Hepatotoxic Metabolites in Chinese Pediatric Patients with Epilepsy.
By Zhao, Mingming; Chen, Yanan; Wang, Minglu; Li, Guofei; Zhao, Limei.
- Therapeutic Drug Monitoring Coupled with Bayesian Forecasting could Prevent Vancomycin-associated Nephrotoxicity in Renal Insufficiency Patients: A Prospective Study and Pharmacoeconomic Analysis.
By Zhang, Ying; Wang, Taotao; Zhang, Di; You, Haisheng; Dong, Yuzhu; Liu, Yang; Du, Qian; Sun, Dan; Zhang, Tao; Dong, Yalin.
- Prediction of Serum-Free and Cerebrospinal Fluid Valproic Acid Levels in Patients with Hypoalbuminemia after Craniotomy.
By Li, Zhihong; Gao, Weiqi; Liu, Guifen; Chen, Weihong.
- QUANTIFICATION OF 3-HYDROXYPROPYL MERCAPTURIC ACID IN THE URINE OF PATIENTS WITH BREAST CANCER TO MONITOR CYCLOPHOSPHAMIDE TOXICITY.
By Harahap, Yahdiana; Yanuar, Ary; Muhammad, Cyril; Melhan, Madeline; Purwanto, Denni Joko.
- Simultaneous Determination of Dabigatran, Rivaroxaban, and Apixaban in Human Plasma by Liquid Chromatography/Tandem Mass Spectrometry.
By Zhang, Mei; Moore, Grant A; Chin, Paul KL.
- Does Circadian Rhythm affect the Pharmacokinetics of Once-Daily Tobramycin in Adults with Cystic Fibrosis?
By van Maarseveen, E.M.; van der Meer, R.; Neef, C.; Heijerman, H.G.M.; Touw, D.J.
- Population pharmacokinetic analysis of meropenem in critically ill patients with acute kidney injury treated with continuous hemodiafiltration.
By Niibe, Yoko; Suzuki, Tatsuya; Yamazaki, Shingo; Suzuki, Takaaki; Takahashi, Nozomi; Hattori, Noriyuki; Nakada, Taka-aki; Oda, Shigeto; Ishii, Itsuko.
- Determination of Total and Unbound Meropenem, Imipenem/Cilastatin and Cefoperazone/Sulbactam in Human Plasma: Application for Therapeutic Drug Monitoring in Critically Ill Patients.
By Rao, Zhi; Dang, Zi-long; Li, Bin; Zhu, Lei; Qin, Hong-yan; Wu, Xin-an; Wei, Yu-hui.
- A Novel Correction Equation Avoids High-Magnitude Errors in Interpreting Therapeutic Drug Monitoring of Phenytoin among Critically Ill Patients.
By Barra, Megan E.; Phillips, Kristy M.; Chung, David Y.; Rosenthal, Eric S.
- A Retrospective Analysis of Steady-state Olanzapine Concentrations in Chinese Patients using Therapeutic Drug Monitoring: Effects of Valproate and Other Factors.
By Deng, Shu-hua; Wang, Zhan-zhang; Lu, Hao-yang; Li, Lu; Hu, Jin-qing; Zhu, Xiu-qing; Xie, Huan-shan; Chen, Hong-zhen; Zhang, Ming; Ni, Xiao-jia; Qiu, Chang; Shang, De-wei; Wen, Yu-guan.

Letters to the Editor:

- Finger-prick blood sampling for therapeutic drug monitoring: be aware of skin contamination by nebulized drugs.
By de Winter, Brenda C.M.; de Hoog, Matthijs; Vet, Nienke J.; Dunk-Craaijo, Joke H.; Koch, Birgit C.P.; de Wildt, Saskia N.

Editorial:

- Appreciating the Impact of Tacrolimus Sampling Time Deviations in Pediatric Patients with Nephrotic Syndrome.
By Filler, Guido; Medeiros, Mara; Díaz-González de Ferris, María E.

Ground Rounds:

- Real-Time Therapeutic Drug Monitoring (TDM)-Based Pharmacokinetic/Pharmacodynamic (PK/PD) Optimization of Complex Antimicrobial Therapy in a Critically Ill Morbidly Obese Patient. Grand Round/A Case Study.
By Cojutti, Pier Giorgio; Cernelutti, Alessia; Mattelig, Silvia; Sartor, Assunta; Pea, Federico.

Submit your high quality research – Information for authors.

Visit the Therapeutic Drug Monitoring (TDM) Website to read your Articles of Interest... | [Top](#)

March Blog: Interview with Markus Meyer, IATDMCT Councillor

This month it's a real pleasure to hear from 'retiring' Young Scientist Committee chair, and good friend Markus Meyer. He has been a role model as an exceptional and accomplished scientist, from early on in his career, as well as a peer leader, having served on the TIAFT Young Scientist committee, among other scientific associations. Markus is currently a member of Council as one of our Directors of Education.



Markus Meyer
IATDMCT Director of Education 2019-2021
Chair, Experimental and Clinical Toxicology
Head, Clinical Toxicology Laboratory
Saarland University, Homburg, Germany

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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!](#)

» **[Click here to Post an Event on our Online Events Calendar today!](#)**

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: **March 31 2020.**

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

[Visit the IATDMCT Events Calendar and Learn More about these and other Upcoming Meetings | Top](#)

Contact E-News

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