

FEATURED IN THIS ISSUE:

- >>> [Update on 2020 Congress](#)
- >>> [Rome In September – IATDMCT 2021](#)
- >>> [Member-Get-A Member Campaign – 2020 Update](#)
- >>> [News from the Communication Committee](#)
- >>> [Deadline for the Membership & TDM Journal Award](#)
- >>> [Published Ahead-of-Print in *Therapeutic Drug Monitoring* – Latest Update](#)
- >>> [IATDMCT Blog](#)
- >>> [Contact E-News](#)

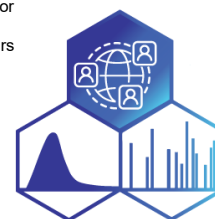
Update on 2020 Congress

We congratulate Penny Colbourne and David Kinniburgh, Co-Chairs IATDMCT Banff 2020 Virtual Congress as well as the local organizing committee for their success in organizing the scientific program for the "First IATDMCT Virtual" and the 18th IATDMCT Congress. The scientific sessions have been broadcast live from September 14 – 16. The programme presented plenary lectures and simultaneous TDM and Clinical Toxicology symposia for 3 hours each day. Also there was a poster session.

We also have to acknowledge our corporate friends have shown their support. Beginning September 23, 2020 our sponsors provided informative sessions highlighting their latest technology.

In addition, we have to thank to the office, Pamela Lyons and Megan Howes, for keeping everyone on line.

We have to cite our President Yusuke Tanigawara, Ph.D. "We may be separated by geography, but we are united by science".



[Check the website for program updates...](#) | [Top](#)



SIEMENS
Healthineers

Register now for the October 21 IATDMCT Industry Workshop Webinar: Opioid Addiction: Overview and Testing Options – Sponsored by Siemens

| [Top](#)

Rome In September – IATDMCT 2021

IATDMCT 2021 Congress which will take place in Rome from September 19th – 22nd, will bring you the latest advances of TDMCT.

"All roads lead to Rome" since once Rome was "Caput mundi".

The co-chairs of the 2021 are *Dr. Franco Locatelli* and *Dr. Mario Regazzi*

The members of the international scientific program committee are: *Stein Bergan*: Oslo; *Dario Cattaneo*: Milano; *Antonello Di Paolo*: Pisa; *Carlo Locatelli*: Pavia; *Franco Locatelli*: Roma; *Michael Neely*: Los Angeles; *Manuela Neuman*: Toronto; *Mario Plebani*: Padova; *Mario Regazzi*: Pavia; *Francesco Rossi*: Napoli; *Teun Van Gelder*: Leiden

Dario Cattaneo and Mario Regazzi on behalf of the Local Organizing Committee (LOC) and the Program Committee of the 19th IATDMCT Congress promised that:

- The members of the LOC are already actively working for the organization of the Rome 2021 19th Congress of the IATDMCT.
- During the Rome 2021 Congress particular attention will be paid to therapeutic proteins, individualization of pharmacologic therapies in pediatric patients, antimicrobial stewardship programs and lesson learned from the SARS-CoV-2 pandemic. The leitmotiv of the congress will be a continuous cross-talk between the laboratory and the clinics. To accomplish this task, much space is given in the draft, preliminary program, for sessions to be ideally co-chaired by IATDMCT and other scientific societies representing different medical and toxicology disciplines.

- The members of the Local Program Committee, have identified some topics that will be specifically faced during the Congress, and discussed the formats of their presentation (symposia, round tables or plenary lectures). We will be soon contact ing the chairs of the IATDMCT Scientific Committees asking them to propose additional topics to be included in the program. We hope to be able to present the final version of the program by next spring! We are looking forward for the active collaboration of all members of IATDMCT for the success of the event! See all you in Rome!
- Dario and Mario are taking us to a very promising walk: [click here!](#)

Stay up to date on Rome 2021 – Congress Website... | [Top](#)



| [Top](#)

Member-Get-A Member Campaign – 2020 Update

New Campaign Deadline: August 30, 2021

The top two "RECRUITERS" will receive free registration for the Rome Congress 2021!

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!

[View the Website...](#) | [Top](#)

News from the Communication Committee

We would like to inform the membership that advertisements for professional positions (PhD and Post-Doc job opportunities) in the field of TDM/CT, will be published in the E-news instead of on the IATDMCT website. Please e-mail the office with the advertisement for the position and it will be published in an upcoming monthly E-news. (IATDMCT office email: info@iatdmct.org)

Some of our members are currently conducting clinical tests for COVID-19 and/or trying to introduce new biomarkers to monitor recovery. Certainly it is our duty to continue also the routine work. Keep safe.

Below please find informative links about the current situation, which specifically addresses the rapid identification of COVID-19 cases as well as adverse reactions due to interaction of drugs:

- IATDMCT website provides a list of COVID-19 resources
 - <https://iatdmct.org/rss/7-news/556-covid-19-resources.html>
- 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>
- Cochrane
 - <https://covidrapidreviews.cochrane.org/welcome>
- BC Centre for Disease Control
 - <http://www.bccdc.ca/health-info/diseases-conditions/covid-19>

[Visit the COVID-19 resources on the IATDMCT Website...](#) | [Top](#)

The deadline for the Membership & TDM Journal Award is approaching

Awarded to Deserving Individuals who Reside in Designated Developing Countries

Deadline: October 31, 2020

Free IATDMCT membership and free subscription to the *Therapeutic Drug Monitoring* journal will be awarded to deserving individuals residing in designated developing countries.

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 on October 1, 2020:

Original Articles:

- Factors Associated with Voriconazole Concentration in Pediatric Patients.
Kang, Suyeon; Yee, Jeong; Kim, Jae Youn; Han, Hye Won; Kang, Sang Oh; Lee, Kyung Eun; Gwak, Hye Sun.
- Establishing Serum Reference Ranges for Antihypertensive Drugs.
Rognstad, Stine; Søråas, Camilla Lund; Bergland, Ola Undrum; Høiegggen, Aud; Strømme, Magnus; Helland, Arne; Opdal, Mimi Stokke.
- Impact of ABCB1 Polymorphism on Levetiracetam Serum Concentrations in Epileptic Uyghur Children in China.
Zhao, T; Yu, J; Wang, T; Feng, J; Zhao, W; Sun, L; Yu, L; Li, H; Sun, Ya.
- Impact of Body Mass Index on Serum Concentrations of Antidepressants and Antipsychotics.
Warrings, B; Samanski, L; Deckert, J; Unterecker, S; Scherf-Clavel, M.
- Development and Validation of a Highly Sensitive Liquid Chromatography/Tandem Mass Spectrometry Technique to Determine Levamisole in Plasma and Saliva.
Veltkamp, F; Pistorius, M.C.M.; Bouts, A.H.M.; Mathôt, R.A.A.
- Body Surface Area Dosing of High-Dose Methotrexate Should be Reconsidered, Particularly in Overweight, Adult Patients.
Gallais, Fanny; Oberic, Lucie; Faguer, Stanislas; Tavitian, Suzanne; Lafont, Thierry; Marsili, Sabrina; Brice, Aurélie; Chatelut, Etienne; PUISSET, Florent.
- Evaluation of Bayesian forecasting methods for prediction of tacrolimus exposure using samples taken on two occasions in adult kidney transplant recipients.
Brooks, Emily; Tett, Susan E.; Isbel, Nicole M.; McWhinney, Brett; Staatz, Christine E.
- Effect of Cystatin C on Vancomycin Clearance Estimation in Critically Ill Children Using a Population Pharmacokinetic Modeling Approach.
Downes, Kevin J.; Zane, Nicole R.; Zuppa, Athena F.
- Population Pharmacokinetic Modeling of Vancomycin in Thai Patients with Heterogeneous and Unstable Renal Function.
Jaisue, Sirluk; Pongsakul, Cholapit; D'Argenio, David Z.; Semsappasak, Pakawadee.
- Population Pharmacokinetics of Voriconazole in Patients with Invasive Aspergillosis: Serum Albumin Level as a Novel Marker for Clearance and Dosage Optimization.
Chantharit, Prawat; Tantasawat, Montira; Kasai, Hidefumi; Tanigawara, Yusuke.
- Impact of Therapeutic Drug Monitoring on Once-daily Regimen of Amikacin in Patients with Urinary Tract Infection: A Prospective Observational Study.
Jayakumar, Ilanthamizhan; Mathaiyan, Jayanthi; Mandal, Jharna; Deepanjali, Surendran; Sreenivasan, Sreerag Kodakkattil.
- A Direct Injection Technique to Improve Biosafety to Analyze Levetiracetam Concentrations in Human Serum and its Application in Therapeutic Drug Monitoring..
Dong, Wei-chong; Guo, Jia-liang; Yang, Xiu-ling; Wang, Shu-mei; Yuan, Ye; Zhao, Meng-qiang; Jiang, Ye; Zhang, Zhi-qing.
- A Comparative Evaluation of Four Commercially Available ELISA Kits for Measuring Adalimumab and Anti-adalimumab Antibodies.
Sam, Melissa Joyce; Connor, Susan Jane; Sang Ng, Watson Wa; Mei-Ling Toong, Catherine.
- Dried Plasma Spots and Oral Fluid as Alternative Matrices for Therapeutic Drug Monitoring of Busulfan: Analytical Method Development and Clinical Evaluation.
Noel Granzotto, Fabiana Caramori; Cezimbra da Silva, Anne Caroline; Lizot, Lilian Feltraco; Antunes, Marina Venzon; Linden, Rafael.
- Simple Liquid Chromatography-Tandem Mass Spectrometry Method for Quantitation of Total and Free Aprepitant and its Active N-Dealkylated Metabolites in Human Plasma.
Naito, Takafumi; Suzuki, Yusuke; Shibata, Kaito; Kawakami, Junichi.
- External evaluation of population pharmacokinetics and pharmacodynamics in linezolid-induced thrombocytopenia: the transferability of published models to different hospitalized patients.
Ogami, Chika; Tsuji, Yasuhiro; Nishi, Yoshifumi; Kawasuji, Hitoshi; To, Hideto; Yamamoto, Yoshihiro.
- Development of a High-Throughput Quantification Method for Pazopanib Using Ultra-Performance Liquid Chromatography-Tandem Mass Spectrometry and Its Clinical Application in Patients with Soft Tissue Tumors.
Shiraiwa, Ken; Suzuki, Yosuke; Tanaka, Kazuhiro; Kawano, Masanori; Iwasaki, Tatsuya; Matsumoto, Asami; Tanaka, Ryota; Tatsuta, Ryosuke; Tsumura, Hiroshi; Itoh, Hiroki.

Review Articles:

- A review of synthetic cathinone-related fatalities from 2017 to 2020.
La Maida, Nunzia; Di Trana, Annagiulia; Giorgetti, Raffaele; Tagliabracchi, Adriano; Busardò, Francesco P.; Huestis, Marilyn A.
- Oseltamivir – Current dosing recommendations reduce the therapeutic benefit in patients with mild to moderate renal function and/or large body mass. A review of the literature with recommendations to optimize dosing, including the use of therapeutic drug monitoring.
Jones, Terry E.
- Population Pharmacokinetic Models of Anti-Tuberculosis Drugs in Patients: a Systematic Critical Review.
Otalvaro, Julian D.; Hernandez, B.E.; Alher M.; Rodriguez, Carlos A.; Zuluaga, Andres F.
- The Impact of Air Pollution on Neurodegenerative Diseases.
Wang, Jian; Ma, Tengfei; Ma, Ding; Li, Huimin; Hua, Li; He, Qing; Deng, Xiaobei.

Letters to the Editor:

- Reply to: Comment on "Meropenem, Cefepime, and Piperacillin Protein Binding in Patient Samples."
Al-Shaer, Mohammad H.; Alghamdi, Wael A.; Peloquin, Charles.
- Use of age-adjusted serum creatinine in a vancomycin pharmacokinetic model decreases predictive performance in elderly patients.
Tong, Dominic M.H.; Hughes, Jasmine H.; Keizer, Ron J.
- Accurate Measurement of Adalimumab using Competitive Homogeneous Mobility Shift Assay (cHMSA).
Keating, Paula; Hock, Barry; O'Donnell, John.

Submit your high quality research – Information for authors.

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

October Blog: IATDMCT Concludes Its First Successful Digital Congress

Last month's digital congress was a first for the Association. The organising committee did an extraordinary job putting together fourteen concurrent symposia and two excellent plenary sessions. After congresses I usually comment on unofficial prizes, such as the best dancer at the Gala dinner, or exceptional effort at karaoke (which, of course, does not necessarily mean greatest singer!). Unfortunately, these were not possible to determine by a digital format. Fortunately, there were notable instances of connection with the audience and our greater community that deserve special mention. Visit the blog for the winners of these unofficial awards.

[Read more....](#)



Contact E-News



Co-editor: Manuela Neuman
Co-editor: Ryuji Kato

NOTE: Items appearing in the IATDMCT monthly E-News do not necessarily have the endorsement of the Association.

[Email your Hot Topic to IATDMCT Monthly E-News...](#) | [Top](#)

IATDMCT | International Association of Therapeutic Drug Monitoring and Clinical Toxicology
info@iatdmct.org | www.iatdmct.org
4 Cataraqui Street, Suite 310 | Kingston, Ontario | K7K 1Z7 | CANADA
Tel: +1-613-531-8166 | Fax: +1-613-531-0626

[Unsubscribe](#)