



Future titles of Clin Chem Lab Med, February 2023;61 (2)
(Changes are possible before publication)

EDITORIAL

STANDARDIZATION AND HARMONIZATION IN LABORATORY MEDICINE: NOT ONLY FOR CLINICAL CHEMISTRY MEASURANDS

Mario Plebani and Giuseppe Lippi

<https://doi.org/10.1515/cclm-2022-1122>

MINI REVIEW

The effect of the immunoassay curve fitting routine on bias in Troponin

Tony Badrick, Greg Ward, Peter Hickman

<https://doi.org/10.1515/cclm-2022-0657>

OPINION PAPERS

An overview of the most important preanalytical factors influencing the clinical performance of SARS-CoV-2 antigen rapid diagnostic tests (Ag-RDTs)

Giuseppe Lippi, Brandon M. Henry and Mario Plebani

<https://doi.org/10.1515/cclm-2022-1058>

Time to address quality control processes applied to antibody testing for infectious diseases

Wayne J. Dimech, Giuseppe A. Vincini, Mario Plebani, Giuseppe Lippi, James H. Nichols and Oswald Sonntag

<https://doi.org/10.1515/cclm-2022-0986>

PERSPECTIVES

Definition and application of performance specifications for measurement uncertainty of 23 common laboratory tests: linking theory to daily practice

Federica Braga, Sara Pasqualetti, Francesca Borrillo, Alessia Capoferri, Mariia Chibireva, Leila Rovegno and Mauro Panteghini

<https://doi.org/10.1515/cclm-2022-0806>

The gaps between the new EU legislation on *in vitro* diagnostics and the on-the-ground reality

Denis Horgan, Mario Plebani, Matthias Orth, Elizabeth Macintyre, Stan Jackson, Jonathan A. Lal, France Dube, Marta Kozaric, Birute Tumiene, Roberto Salgado, Jack A. Schalken, Ettore D. Capoluongo and Marta Carnielli

<https://doi.org/10.1515/cclm-2022-1051>

GENERAL CLINICAL CHEMISTRY AND LABORATORY MEDICINE

Second-generation Elecsys cerebrospinal fluid immunoassays aid diagnosis of early Alzheimer's disease

Kaj Blennow, Erik Stomrud, Henrik Zetterberg, Niels Borlinghaus, Veronika Corradini, Ekaterina Manuilova, Laura Müller-Hübner, Frances-Catherine Quevenco, Sandra Rutz, Oskar Hansson

<https://doi.org/10.1515/cclm-2022-0516>

Evaluation of the interchangeability between the new fully-automated affinity chrome-mediated immunoassay (ACMIA) and the quantitative microsphere system (QMS) with a CE-IVD-certified LC-MS/MS assay for therapeutic drug monitoring of everolimus after solid organ transplantation

Cristiano Ialongo, Annamaria D'alessandro, Maria Sapio, Antonio Angeloni, Ottavia Porzio

<https://doi.org/10.1515/cclm-2022-0699>

Quantitative detection of anti-PLA2R antibodies targeting different epitopes and its clinical application in primary membranous nephropathy

Yuan Qin, Qingqing Wu, Huiming Sheng, Ting Li, Xiaobin Liu, Xue Yang, Bo Lin, Xiumei Zhou, Juan Jin, Liang Wang, Biao Huang, Qiang He and Zhigang Hu

<https://doi.org/10.1515/cclm-2022-0720>

REFERENCE VALUES AND BIOLOGICAL VARIATIONS

A zlog-based algorithm and tool for plausibility checks of reference intervals

Sandra Klawitter, Georg Hoffmann, Stefan Holdenrieder, Tim Kacprowski, Frank Klawonn

<https://doi.org/10.1515/cclm-2022-0688>

Harmonization of indirect reference intervals calculation by the Bhattacharya method

Luisa Martinez-Sanchez, Pablo Gabriel-Medina, Yolanda Villena-Ortiz, Alba E. García-Fernández, Albert Blanco-Grau, Christa M Cobbaert, Daniel Bravo-Nieto, Sarai Garriga-Edo, Clara Sanz-Gea, Gonzalo Gonzalez-Silva, Joan López-Hellín, Roser Ferrer-Costa, Ernesto Casis, Francisco Rodríguez-Frías, Wendy PJ den Elzen

<https://doi.org/10.1515/cclm-2022-0439>

Red blood cell parameters in early childhood: a prospective cohort study

Sofie Taageby Nielsen, Rikke Mohr Lytsen, Nina Strandkjær, Malene Kongsgaard Hansen, Anne-Sophie Sillesen, R Ottilia B Vøgg, Anna Axelsson Raja, Ida Juul Rasmussen, Pia R. Kamstrup, Marianne Benn, Kasper Iversen, Henning Bundgaard and Ruth Frikke-Schmidt

<https://doi.org/10.1515/cclm-2022-0826>

CANCER DIAGNOSTICS

Association of circulating free and total oxysterols in breast cancer patients

Nina Decker, Theron Johnson, Sabine Behrens, Nadia Obi, Rudolf Kaaks, Jenny Chang-Claude, Renée Turzanski Fortner

<https://doi.org/10.1515/cclm-2022-0705>

Effect of short-term storage of blood samples on gene expression in lung cancer patients

Eva Obermayr, Nina Koppensteiner, Nicole Heinzl, Eva Schuster, Barbara Holzer, Hannah Fabikan, Christoph Weinlinger, Oliver Illini, Maximilian J. Hochmair and Robert Zeillinger

<https://doi.org/10.1515/cclm-2022-0738>

INFECTIOUS DISEASES

Operation Moonshot: Rapid translation of a SARS-CoV-2 targeted peptide immunoaffinity liquid chromatography-tandem mass spectrometry test from research into routine clinical use.

Jenny Hällqvist, Dan Lane, Andrew Shapanis, Kayleigh Davis, Wendy E. Heywood, Ivan Doikov, Justyna Śpiewak, Nana Ghansah, Brian Keevil, Pankaj Gupta, Rebekah Jukes-Jones, Raj Singh, Dominic Foley, Johannes P.C. Vissers, Rebecca Pattison, Samantha Ferries, Robert Wardle, Amy Bartlett, Lisa J. Calton, Leigh Anderson, Morteza Razavi, Terry Pearson, Matt Pope, Richard Yip, Leong L. Ng, Benjamin I. Nicholas, Alistair Bailey, Dan Noel, R. Neil Dalton, Simon Heales, Christopher Hopley, Andrew R. Pitt, Perdita Barran, Donald J.L. Jones, Kevin Mills, Paul Skipp and Rachel S. Carling

<https://doi.org/10.1515/cclm-2022-01000>

Seroprevalence of SARS-CoV-2 antibodies in Italy in newborn dried blood spots

Luisa Galla, Chiara Cosma, Michela Bertan, Sara Altinier, Martina Zaninotto, Basso Daniela, Alberto Burlina, Andrea Padoan, Mario Plebani

<https://doi.org/10.1515/cclm-2022-0948>

Positivization time of a COVID-19 rapid antigen self-test predicts SARS-CoV-2 viral load: a proof of concept

Gian Luca Salvagno, Brandon M. Henry, Giulio Bongiovanni, Simone De Nitto, Laura Pighi, Giuseppe Lippi <https://doi.org/10.1515/cclm-2022-0873>

New insights into SARS-CoV-2 Lumipulse G salivary antigen testing: accuracy, safety and short TAT enhance surveillance

Ada Aita, Filippo Navaglia, Stefania Moz, Nicole Contran, Francesco Barbaro, Anna Maria Cattelan, Andrea Padoan, Chiara Cosma, Diego Faggian, Mario Plebani and Daniela Basso <https://doi.org/10.1515/cclm-2022-0849>

Preanalytical stability of SARS-CoV-2 anti-nucleocapsid antibodies

Tobias Niedrist, Lisa Kriegl, Christoph J Zurl, Felix Schmidt, Nicole Perkmann-Nagele, Patrick Mucher, Manuela Repl, Ines Flieder, Astrid Radakovics, Daniela Sieghart, Helga Radner, Daniel Aletaha, Christoph J Binder, Christian Gully, Robert Krause, Markus Herrmann, Oswald F Wagner, Thomas Perkmann4 and Helmuth Haslacher

<https://doi.org/10.1515/cclm-2022-0875>

Prognostic value of procalcitonin in cancer patients with coronavirus disease 2019

Timothy Tiutan, Joseph S. Wallins, Samantha Brown, Mithat Gonen, Deborah Korenstein

<https://doi.org/10.1515/cclm-2022-0366>

24/7 workflow for bloodstream infection diagnostics in microbiology laboratories: the first step to improve clinical management

David Chirio, Elisa Demonchy, Marion Le Marechal, Alice Gaudart, Romain Lotte, Michel Carles, Raymond Ruimy

<https://doi.org/10.1515/cclm-2022-0667>

Diagnostic performance of machine learning models using cell population data for the detection of sepsis: a comparative study

Urko Aguirre, Eloísa Urrechaga

<https://doi.org/10.1515/cclm-2022-0713>

Diagnostic value of procalcitonin, hypersensitive C-reactive protein and neutrophil-to-lymphocyte ratio for bloodstream infections in pediatric tumor patients

Dongmei Li, Jie Li, Chuanxi Zhao, Xianglu Liao, Lisheng Liu, Li Xie, Wenjing Shang

<https://doi.org/10.1515/cclm-2022-0801>

LETTERS TO THE EDITORS

Pseudohyponatremia: interference of hyperglycemia on indirect potentiometry

Charles R. Lefèvre, Charles Gibert, Laure Maucorps, Joséphine Vasse, Marie Michel, Marine Chupin, Fanny Zhao, Laurent Desmurs, Nicolas Collet, Mathilde Di Filippo, Régine Cartier, Denis Monneret and Oriane Marmontel

<https://doi.org/10.1515/cclm-2022-0766>

Ligand binding assay-related underestimation of 25-hydroxyvitamin D in pregnant women exaggerates the prevalence of vitamin D insufficiency

Li Zhang, Qichen Long, Jiangtao Zhang, Jie Zeng, Tianjiao Zhang and Chuanbao Zhang

<https://doi.org/10.1515/cclm-2022-0899>

Urokinase-type plasminogen activator soluble receptor (suPAR) assay in clinical routine: evaluation one year after its introduction in the High Automation Corelab of the A. Gemelli Hospital

Sarlo Francesca, Urbani Andrea, Baroni Silvia

<https://doi.org/10.1515/cclm-2022-0686>

Is this a true Lambda free light chain?

Yael Volovik, Suheir Nimri-Ammouri, Tanya Adler, Mira Barak and Clara Henig

<https://doi.org/10.1515/cclm-2022-0974>

Effect of various blood collection tubes on serum lithium and other electrolytes: our perspective from a tertiary healthcare institute

Gautom Kumar Saharia, Saurav Nayak and Manaswini Mangaraj

<https://doi.org/10.1515/cclm-2022-0854>