



Publications & Abstracts 2021

Publications

Recommendation for validation and quality assurance of non-invasive prenatal testing for foetal blood groups and implications for IVD risk classification according to EU regulations

Banch Clausen F, Hellberg Å, Bein G, Bugert P, Schwartz D, Dovc Drnovsek T, Finning K, Guz K, Haimila K, **Henny C**, O'Brien H, Orzinska A, Sørensen K, Thorlacius S, Wikman A, Denomme G A, Albert Flegel W, Gassner C, de Haas M, Hyland C, Ji Y, Lane W J, Nogués N, Olsson M L, Peyrard T, van der Schoot C E, Weinstock C, Legler T

First published: Vox Sanguinis 21 June 2021 <https://doi.org/10.1111/vox.13172>

A novel ABO allele with a 21-bp duplication identified in two unrelated European individuals with weak A expression

Jakobsen M A, Hult A K, Hellberg Å, **Lejon Crottet S**, Sprogøe U, Olsson M L

Affiliations expand

Transfus Med. 2020 Dec;30(6):508-512. <https://doi.org/10.1111/tme.12730> Epub 2020 Oct 26.

Assessing and mitigating the interference of ALX148, a novel CD47 blocking agent, in pretransfusion compatibility testing

Yeul Kim T, Sook Yoon M, **Hustinx H**, Sim J, I Wan H, Kim H

Transfusion 2020 Oct;60(10):2399-2407. [https://doi.org/10.1111.trf.16009](https://doi.org/10.1111/trf.16009) Epub 2020 Aug 20.

A multidimensional cross-sectional analysis of COVID-19 seroprevalence among a police officer cohort: The PoliCOV-19 study.

Sendi P, Baldan R, Thierstein M, **Widmer N**, **Gowland P**, Gahl B, Büchi AE, Güntensperger D, Wider M, Blum MR, **Tinguely C**, Maillat C, Theel ES, Barbari E, Dijkman R, **Niederhauser C**

medRxiv preprint, August 2021, <https://doi.org/10.1101/2021.08.09.21261789>

Comparison of a New IgG-EIA for the Detection of Anti-Plasmodium Antibodies with Two Currently Used Assays

Niederhauser C, **Tinguely C**, Dreier J, Vollmer T, Marti H P, Nickel B, Klemens J M, Warnecke J M, **Gowland P**

Transfus Med Hemother. <https://doi.org/10.1159/000515842>

Multicentre Performance Evaluation of the Elecsys Anti-SARS-CoV-2 Immunoassay as an Aid in Determining Previous Exposure to SARS-CoV-2

Riester E, Majchrzak M, Mühlbacher A, **Tinguely C**, Findeisen P, Hegel JK, Laimighofer M, Rank CM, Schönfeld K, Langen F, Laengin T, **Niederhauser C**

<https://doi.org/10.1007/s40121-021-00504-9>

Performance evaluation of the Roche Elecsys Anti-SARS-CoV-2 S immunoassay

Riester E, Findeisen P, Hegel JK, Kabesch M, Ambrosch A, Rank CM, Pessl F, Laengin T and

Niederhauser C

J Virol Method, accepted Infect Dis Ther, 2021 Aug 9;1-17. <https://doi.org/10.1007/s40121-021-00504-9>

Control of Raw Pork Liver Sausage Production Can Reduce the Prevalence of HEV Infection.

Ripellino P, Pianezzi E, Martinetti G, Zehnder C, Mathis B, Giannini P, Forrer N, Merlani G, Dalton HR, Petrini O, Bihl F, **Fontana S**, Gobbi C

Pathogens. 2021;10(2):107. <https://doi.org/10.3390/pathogens10020107>



IRB | TIR

Publications & Abstracts 2021

Putting the spotlight on donation-related risks and donor safety - are we succeeding in protecting donors?

Mikkelsen C, Mori G, van Walraven SM, Castrén J, Zahra S, MacLennan S, Seidel K, **Fontana S**, Veropalumbo E, Cannata L, Pupella S, Kvist M, Happel M, Korkalainen P, Wulff B, Fernandez-Sojo J, Eguizabal C, Urbano F, Vesga MA, Pozenel P, van Kraaij M, Hansen MB, Slot E, Ullum H
Vox Sang. 2021;116(3):313-323. <https://doi.org/10.1111/vox.13014>

How donor selection criteria can be evaluated with limited scientific evidence: lessons learned from the TRANSPOSE project

Mikkelsen C, Mori G, van Walraven SM, Castrén J, Zahra S, MacLennan S, Seidel K, **Fontana S**, Veropalumbo E, Cannata L, Pupella S, Kvist M, Happel M, Korkalainen P, Chandrasekar A, Paulus U, Bokhorst A, Wulff B, Fernandez-Sojo J, Eguizabal C, Urbano F, Vesga MA, van Kraaij M, Merz EM, van den Hurk K, Hansen MB, Slot E, Ullum H
Vox Sang. 2021;116(3):342-350. <https://doi.org/10.1111/vox.13028>

Haplotype structure defines effects of common DPYD variants c.85T > C (rs1801265) and c.496A > G (rs2297595) on dihydropyrimidine dehydrogenase activity: Implication for 5-fluorouracil toxicity

Hamzic S, Schärer D, Offer SM, Meulendijks D, Nakas C, Diasio RB, **Fontana S**, Wehrli M, Schürch S, Amstutz U, Largiadèr CR
Br J Clin Pharmacol. 2021;87(8):3234-3243. <https://doi.org/10.1111/bcp.14742>

Presence of autoantibodies in serum does not impact the occurrence of immune checkpoint inhibitor-induced hepatitis in a prospective cohort of cancer patients

Purde MT, Niederer R, Wagner NB, Diem S, Berner F, Ali OH, Hillmann D, I, Joerger M, Risch M, **Niederhauser C**, Lenz TL, Früh M, Risch L, Semela D, Flatz L
J Cancer Res Clin Oncol. 2021 Dec 7. <https://doi.org/10.1007/s00432-021-03870-6> Online ahead of print

Storage of red blood cell concentrates: Clinical impact

Längst E, Tissot J-D and Prudent M

Transfus Clin Biol 2021, 28, 397-402. <https://doi.org/10.1016/j.tracli.2021.08.344>

Image- and Fluorescence-Based Test Shows Oxidant-Dependent Damages in Red Blood Cells and Enables Screening of Potential Protective Molecules

Bardyn M, Allard J, Crettaz D, Rappaz B, Turcatti G, Tissot J-D and Prudent M

Int. J. Mol. Sci., 2021, 22, 4293. <https://doi.org/10.3390/ijms22084293>

Antioxidant power measurement in platelet concentrates treated by two pathogen inactivation systems in different blood centers

Lotens A., **Abonnenc M.**, Malvaux N, Schuhmacher A, **Prudent M** and Rapaille A

Vox Sanguinis, 2021, 116, 53-59. <https://doi.org/10.1111/vox.12979>

Sulfenylome analysis of pathogen-inactivated platelets reveals the presence of cysteine oxidation in integrin signaling pathway and cytoskeleton regulation

Sonego G, Le T-T M, Crettaz D, Abonnenc M, Tissot J-D and Prudent M

J Thrombosis and Haemostasis, 2021, 19, 233-247. <https://doi.org/10.1111/jth.15121>

Hypoxia and hypocapnia storage of γ -irradiated red cell concentrates

Bardyn M, Crettaz D, Borlet M, Längst E, Martin A, Abonnenc M, Tissot J-D, Dunham A, Yoshida T and Prudent M

Blood Transfusion, 2021, 19, 300-308. <https://doi.org/10.2450/2020.0075-20>



Publications & Abstracts 2021

Abstracts

Specificity of an automated Anti-SARS-CoV-2 immunoassay in COVID-19 pre-pandemic cohorts (T03-ID28467)

Riester E, Krieter B, Findeisen P, Laimighofer M, Schoenfeld K, Laengin T, **Niederhauser C**
International Federation of Clinical Chemistry and Laboratory Medicine, Critical Role of Clinical Laboratories in the COVID-19 Pandemic Virtual Conference, February 2021

A NOVEL ABO*A2 VARIANT ALLELE IDENTIFIED IN TWO PATIENTS WITH AWEAK PHENOTYPE

Stettler J, Lejon Crottet S, Hustinx H, Still F, Graber J, Kraeuchi R, Niederhauser C, Henny C
Vox Sanguinis 2021, P-038

SCREENING FOR RHD*09 (DAR) SUBTYPE ALLELES IN PATIENT SAMPLES COLLECTED IN SWITZERLAND

Kräuchi R, Theiler C, Henny C, Hustinx H, Niederhauser C and Lejon Crottet C
Accepted for the DGTI congress 2021 as PS-2-6

Evaluation of different processing methods to label platelets for in vivo studies

Muret C, Crettaz D, Martin A, Bertaggia Calderara D, Zermatten M, Aliotta A, Alberio L, Prudent M
Poster GTH 2021, Lausanne, Switzerland, Feb 2021

In vitro transfusion model to study the effect of the donor's and recipient's sex on red blood cells

Längst E, Bardyn M, Tissot JD, Prudent M
Poster D-Day UNIL, Lausanne, Switzerland, April 2021

Modèle de transfusion in vitro pour étudier les globules rouges

Längst E, Crettaz D, Delobel J, Renella R, Bardyn M, Tissot JD, Prudent M
Poster SFTS 2021, Marseille, France, Nov 2021
Transfus Clin Biol 2021; 28(4): S105. <https://doi.org/10.1016/j.tracli.2021.08.308>

Biotinylation des plaquettes selon BPF et évaluation in vitro

Muret C, Crettaz D, Martin A, Aliotta A, Bertaggia Calderara D, Alberio L, Prudent M
Poster SFTS 2021, Marseille, France, Nov 2021
Transfus Clin Biol 2021; 28(4): S107. <https://doi.org/10.1016/j.tracli.2021.08.313>

Comparaison des méthodes de mélange des buffy-coats « Train » et « Octopus » pour la préparation de concentrés plaquettaires

Martin A, Dögnitz N, Hilger W, Feldmann J, Muhtari S, Aegerter P, Prudent M
Poster SFTS 2021, Marseille, France, Nov 2021
Transfus Clin Biol 2021; 28(4): S57-S58. <https://doi.org/10.1016/j.tracli.2021.08.159>



IRB | TIR

Publications & Abstracts 2021

Miscellaneous

GCP Symposium Jan 2021, Graduate School for Cellular and Biomedical Sciences, Uni Bern

A Blood Transfusion Service in the time of COVID-19

Tinguely C

Presentation

SFTS 2021, Marseille, France, Nov 2021

Lésion de stockage des globules rouges: impact clinique

Prudent M

Présentation invitée