



Publications & Abstracts 2019

Publications 2019

Noninvasive fetal RHD genotyping to guide targeted anti-D prophylaxis - an external Quality assessment Workshop

Banch Clausen F, Barrett A, The Noninvasive Fetal RHD Genotyping EQA2017 Working Group (Akkök CA, Armstrong-Fisher S, Bergström KD, Boggione CT, Baevre MS, Choolani M, Christiansen M, Cotorruelo C, Drnovsek TD, Finning K, Guz K, de Haas M, Haimila K, Halldorsdottir AM, Hellberg Å, **Henny C**, Holmertz C, Houghton JA, Hyland C, Jakobsen MA, Kvitland MA, Lambert M, Legler TJ, Liew YW, Muñoz-Díaz E, Mörtberg A, **Niederhauser C**, Nogués N, Nyström S, Olsson ML, Orzinska A, Parks M, Rietkötter E, Ryan H, Sachs UJ, van der Schoot E, Silcock L, Steffensen R, Sulin K, Sørensen AS, Tarrant S, Thorlacius S, Wienzek-Lischka S, Wikman A, Wulf-Johansson H, Zupan M, Dziegiel MH)

Vox Sanguinis 2018. <https://doi.org/10.1111/vox.12768>

Safe-Testing Algorithm for Individual-Donation Nucleic Acid Testing: 10 Years of Experience in a Low-Prevalence Country

Stolz M, Gowland P, Tinguely C, Niederhauser C

Transfus Med Hemother 2018. <https://doi.org/10.1159/000499166>

Validated Reference Panel from Renewable Source of Genomic DNA Available for Standardization of Blood Group Genotyping

Volkova E, Sippert E, Liu M, Mercado T, Denomme GA, Illoh O, Liu Z, Rios M; Collaborative Study Group.

Collaborative Study Group: Arnoni CP, de Paula Vendrame TA, Bein G, Sachs UJ, Aravechia MG, Bub CB, Bunce M, Pye D, Castilho L, de Macedo MD, Constanzo J, Chevrier MC, Desjardins N, Corgier B, da Silva N, Mailloux A, Delaney M, Teramura G, Harris S, Heidl S, Denomme GA, Bensing K, Doescher A, Drnovsek TD, Lukan A, Flegel WA, Srivastava K, Frank R, König S, Gassner C, Meyer S, Trost N, Hyland C, Liew YW, Roots N, Johnsen J, Nickerson D, Wheeler M, Keller M, Horn T, Keller J, **Crottet SL, Henny C**, Modan S, Ochoa G, Hoffman R, Hellberg Å, Nertsberg L, Olsson ML, Vrignaud C, Peyrard T, St-Louis M, Lavoie J, Laflamme G, Tani Y, Tanaka M, Trinkle A, Goe S, Westhoff C, Vege S, Wittig M, Franke A, Wu PC

J Mol Diagn. 2019 May;21(3):525-537. Epub 2019 Mar 12.

<https://doi.org/10.1016/j.jmoldx.2019.02.003>

Towards the understanding of the UV light, riboflavin and additive solution contributions to the in vitro lesions observed in Mirasol®-treated platelets

Abonnenc M, Crettaz D, Sonego G, Escolar G, Tissot JD, Prudent M.

Transfus Clin Biol. 2019 Nov;26(4):209-216. Epub 2019 Sep 18.

<https://doi.org/10.1016/j.tracli.2019.09.001>

The Remarkable Journey of a Low-Frequency Alloantibody

Bachofner A, Rüfli T, Holbro A, **Hustinx H, Crottet SL**, Escedi M, Buser A, Infanti L

Transfus Med Hemother 2019;46:384–385. <https://doi.org/10.1159/000490503>



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Publications & Abstracts 2019

Irreversible oxidations of platelet proteins after riboflavin-UVB pathogen inactivation.

Sonego G, Abonnenc M, Crettaz D, Lion N, Tissot JD, Prudent M

Transfus Clin Biol. 2018 Dec 14. pii: S1246-7820(18)30285-4. [Epub ahead of print]

<https://doi.org/10.1016/j.tracli.2018.12.001>

Comparison of Four Commercial IgG-Enzyme-Linked Immunosorbent Assays for the Detection of Tick-Borne Encephalitis Virus Antibodies.

Ackermann-Gäumann R, Eyer C, Leib SL, Niederhauser C

Vector Borne Zoonotic Dis. 2019 May;19 (5):358-364. Epub 2018 Dec 4.

<https://doi.org/10.1089/vbz.2018.2359>

Red blood cell storage lesion: causes and potential clinical consequences.

Yoshida T, Prudent M, D'alessandro A

Blood Transfus. 2019 Jan;17(1):27-52. <https://doi.org/10.2450/2019.0217-18>

Detection of Stimulated Erythropoiesis by the RNA-Based 5'-Aminolevulinatase Synthase 2 Biomarker in Dried Blood Spot Samples.

Salamin O, Gottardo E, Schobinger C, Reverter-Branchat G, Segura J, Saugy M, Kuuranne T, Tissot JD, Favrat B, Leuenberger N

Clin Chem. 2019 Dec;65(12):1563-1571. Epub 2019 Sep 30.

<https://doi.org/10.1373/clinchem.2019.306829>

Erythroferrone as a sensitive biomarker to detect stimulation of erythropoiesis.

Ramirez Cuevas K, Schobinger C, Gottardo E, Voss SC, Kuuranne T, Tissot JD, Favrat B, Townsend N, Leuenberger N

Drug Test Anal. 2019 Oct 26. [Epub ahead of print] <https://doi.org/10.1002/dta.2720>

Pathogen reduction of blood components during outbreaks of infectious diseases in the European Union: an expert opinion from the European Centre for Disease Prevention and Control consultation meeting

Domanović D, Ushiro-Lumb I, Compennolle V, Brusin S, Funk M, Gallian P, Georgsen J, Janssen M, Jimenez-Marco T, Knutson F, Liembruno GM, Mali P, Marano G, Maryuningsih Y, Niederhauser C, Politis C, Pupella S, Rautmann G, Saadat K, Sandid I, Sousa AP, Vaglio S, Velati C, Verdun N, Vesga M, Rebullà P

Blood Transfus. 2019 Nov;17(6):433-448. Epub 2019 Dec 11. <https://doi.org/10.2450/2019.0288-19>



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Publications & Abstracts 2019

Miscellaneous

Editorial: Transfusion Medicine and Blood

Prudent M, Tissot JD, Fontana S, Niederhauser C

Front Med (Lausanne). 2019 Jan 8;5:355. eCollection 2018. <https://doi.org/10.3389/fmed.2018.00355>

Transfusion, history and ethics: Hundred years after WWI battlefield operations

Garraud O, **Tissot JD**

Transfus Clin Biol. 2019 Feb;26(1):1-2. <https://doi.org/10.1016/j.tracli.2019.01.001>

Nouvelles stratégies et solutions additives pour améliorer la qualité de conservation des globules rouges

Bardyn M

Thèse de doctorat soutenue en août 2019 (UNIL)

Abstracts 2019

ISBT, Basel, Switzerland, June 2019

EVALUATION OF THE USABILITY OF THE NEWLY LAUNCHED ALINITY S AND THE SPECIFICITY OF HIV COMBO, ANTI-HCV, HBSAG AND SYPHILIS IN A BLOOD DONOR SCREENING SETTING

Tinguely C, Hotz M, Niederhauser C

ISBT, Basel, Switzerland, June 2019

CHARACTERIZATION OF TWO NOVEL RHD VARIANT ALLELES

Stettler J, Lejon Crottet S, Hustinx H, von Arx C, Still F, Graber J, Niederhauser C and Henny C

ISBT, Basel, Switzerland, June 2019

A NOVEL *RHD* SPLICE DONOR SITE MUTATION LEADING TO A RHD-NEGATIVE PHENOTYPE

von Arx C, Stettler J, Graber J, Lejon Crottet S, Hustinx H, Still F, Niederhauser C and Henny C

ISBT, Basel, Switzerland, June 2019

Significance of the monocyte monolayer assay in predicting the clinical relevance of anti-Gerbich antibodies

Lejon Crottet S, Larionov S, Maurer CA, Farese S, Henny C, Hustinx H, Jutzi M

ISBT, Basel, Switzerland, June 2019

CASE REPORT ANTI INDIAN B ANTIBODY IN A PREGNANT WOMAN OF INDIAN ORIGIN

Vogel AL, Hustinx H, Stettler J, Capoccia Brugger R, Jutzi M, Lejon Crottet S

ISBT, Basel, Switzerland, June 2019

Hypoxia/hypocapnia improves storage of g-irradiated red cell concentrates

Bardyn M, Crettaz D, Borlet M, Längst E, Martin A, Abonnenc M, Dunham A, Yoshida T, Prudent M

ISBT, Basel, Switzerland, June 2019

Quality assessment of platelet concentrates derived from overnight stored buffy coats

Martin A, Dögnitz N, Abonnenc M, Prudent M and Wicki A

ISBT, Basel, Switzerland, June 2019



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Publications & Abstracts 2019

**Evaluation of an antioxidant power measure to validate the platelet concentrates
viroinactivated by intercept treatment**

Lotens A, **Abonnenc M**, **Prudent M** and Rapaille A
ISBT, Basel, Switzerland, June 2019

DGTI, Mannheim, Germany, September 2019

A DONOR OF TUNISIAN DESCENT WITH THE RARE MNS:-1,-2 PHENOTYPE

Lejon Crottet S, Stettler J, Hustinx H, von Arx C, Waldvogel Abramowski S

SFTS, Nantes, France, September 2019

**Transfert des activités de préparations cellulaires dans une zone à empoussièrement contrôlé :
quelles conséquences pour le laboratoire?**

Belat A, Chanthakesone T, Di Vincenzo L, Grandclément C, Pesse B, **Perruchoud K**, **Riat G**,
Abonnenc M
SFTS, Nantes, France, September 2019

Hypoxie et conservation des globules rouges traités par gamma-irradiation

Bardyn M, **Crettaz D**, **Borlet M**, **Martin A**, **Dögnitz N**, **Abonnenc M**, Dunham A, Yoshida T,
Prudent M
SFTS, Nantes, France, September 2019

Caractérisation de CGR et CP déplasmatisés et de CGR pour transfusion fœtale

Martin A, **Lymberopoulou V**, **Andreu-Ullrich H**, **Prudent M**, **Canellini G**, **Abonnenc M**
SFTS, Nantes, France, September 2019

Le test de prédiction in vitro de l'intérêt clinique des anticorps « Monocyte Monolayer Assay »

Lejon Crottet S
SFTS, Nantes, France, September 2019