

Table of Contents

Volume 104, Issue 1: January 2019

Cover Figure

Bone marrow smear showing hematogones in a 5-year old boy 3 months after allogeneic cord blood transplantation performed for T-lymphoblastic leukemia relapse. Courtesy of Prof. Rosangela Invernizzi.

Editorials

- 1** Novel insights into the role of aberrantly expressed MNX1 (HLXB9) in infant acute myeloid leukemia
Juerg Schwaller
- 3** New insights into the causes of thrombotic events in patients with myeloproliferative neoplasms raise the possibility of novel therapeutic approaches
Michal Bar-Natan and Ronald Hoffman
- 7** Gemtuzumab ozogamicin in acute myeloid leukemia: act 2, with perhaps more to come
Johann Hitzler and Elihu Estey
- 9** Lenalidomide can be safely combined with chlorambucil and rituximab in older patients with chronic lymphocytic leukemia
Candida Vitale and Alessandra Ferrajoli

Review Articles

- 13** Peering through zebrafish to understand inherited bone marrow failure syndromes
Usua Oyarbide et al.
- 25** Advances in risk assessment and prophylaxis for central nervous system relapse in diffuse large B-cell lymphoma
David Qualls and Jeremy S. Abramson

Articles

Hematopoiesis

- 35** The homeobox transcription factor HB9 induces senescence and blocks differentiation in hematopoietic stem and progenitor cells
Deborah Ingenhag et al.

Iron Metabolism & its Disorders

- 47** Macrophage ferroportin is essential for stromal cell proliferation in wound healing
Stefania Recalcati et al.

Myelodysplastic Syndromes

- 59** Fetal hemoglobin induction during decitabine treatment of elderly patients with high-risk myelodysplastic syndrome or acute myeloid leukemia: a potential dynamic biomarker of outcome
Julia Stomper et al.

Myeloproliferative Neoplasms

- 70** Vascular endothelial cell expression of JAK2^{V617F} is sufficient to promote a pro-thrombotic state due to increased P-selectin expression
Alexandre Guy et al.

Chronic Myeloid Leukemia

- 82** Transcriptional activation of the miR-17-92 cluster is involved in the growth-promoting effects of MYB in human Ph-positive leukemia cells
Manuela Spagnuolo et al.
- 93** Incidence, outcomes, and risk factors of pleural effusion in patients receiving dasatinib therapy for Philadelphia chromosome-positive leukemia
Timothy P. Hughes et al.

Acute Myeloid Leukemia

- 102** 2-Bromopalmitate targets retinoic acid receptor alpha and overcomes all-trans retinoic acid resistance of acute promyelocytic leukemia
Ying Lu et al.
- 113** Gemtuzumab ozogamicin for *de novo* acute myeloid leukemia: final efficacy and safety updates from the open-label, phase III ALFA-0701 trial
Juliette Lambert et al.
- 120** Gemtuzumab ozogamicin in children with relapsed or refractory acute myeloid leukemia: a report by Berlin-Frankfurt-Münster study group
Naghmeh Niktozeh et al.

Acute Lymphoblastic Leukemia

- 128** Clinical and molecular characteristics of MEF2D fusion-positive B-cell precursor acute lymphoblastic leukemia in childhood, including a novel translocation resulting in MEF2D-HNRNP1 gene fusion
Kentaro Ohki et al.

Non-Hodgkin Lymphoma

- 138** A phase 2 study of rituximab, bendamustine, bortezomib and dexamethasone for first-line treatment of older patients with mantle cell lymphoma
Rémy Gressin et al.

Chronic Lymphocytic Leukemia

- 147** Feasibility and efficacy of addition of individualized-dose lenalidomide to chlorambucil and rituximab as first-line treatment in elderly and FCR-unfit patients with advanced chronic lymphocytic leukemia
Arnon P. Kater et al.

Plasma Cell Disorders

- 155** DOT1L inhibition blocks multiple myeloma cell proliferation by suppressing IRF4-MYC signaling
Kazuya Ishiguro et al.

Platelet Biology & its Disorders

- 166** Clinical factors and biomarkers predict outcome in patients with immune-mediated thrombotic thrombocytopenic purpura
Elizabeth M. Staley et al.

Coagulation & its Disorders

- 176** Computed tomography pulmonary angiography *versus* ventilation-perfusion lung scanning for diagnosing pulmonary embolism during pregnancy: a systematic review and meta-analysis
Cécile Tromeur et al.

Stem Cell Transplantation

- 189** Machine learning reveals chronic graft-*versus*-host disease phenotypes and stratifies survival after stem cell transplant for hematologic malignancies
Jocelyn S. Gandelman et al.

Cell Therapy & Immunotherapy

- 197** The allogeneic HLA-DP-restricted T-cell repertoire provoked by allogeneic dendritic cells contains T cells that show restricted recognition of hematopoietic cells including primary malignant cells
Aicha Laghmouchi et al.

Blood Transfusion

- 207** Cold storage of platelets in additive solution: the impact of residual plasma in apheresis platelet concentrates
Irene Marini et al.

Letters to the Editor

Letters are available online only at www.haematologica.org/content/104/1.toc

- e1** Intracardiac or intrapulmonary shunts were present in at least 35% of adults with homozygous sickle cell disease followed in an outpatient clinic
Bryan C. Hambley et al.
<http://www.haematologica.org/content/104/1/e1>

- e4** Effects of erythropoiesis-stimulating agents on overall survival of International Prognostic Scoring System Low/Intermediate-1 risk, transfusion-independent myelodysplastic syndrome patients: a cohort study
Emanuela Messa et al.
<http://www.haematologica.org/content/104/1/e4>
- e9** Impact of *FLT3*-ITD length on prognosis of acute myeloid leukemia
Song-Bai Liu et al.
<http://www.haematologica.org/content/104/1/e9>
- e13** Long-term follow up of pediatric Philadelphia positive acute lymphoblastic leukemia treated with the EsPhALL2004 study: high white blood cell count at diagnosis is the strongest prognostic factor
Andrea Biondi et al.
<http://www.haematologica.org/content/104/1/e13>
- e17** Pre-clinical evaluation of second generation PIM inhibitors for the treatment of T-cell acute lymphoblastic leukemia and lymphoma
Renate De Smedt et al.
<http://www.haematologica.org/content/104/1/e17>
- e21** Programmed cell death protein-1 (PD-1)-expression in the microenvironment of classical Hodgkin lymphoma at relapse during anti-PD-1-treatment
Stephanie Sasse et al.
<http://www.haematologica.org/content/104/1/e21>
- e25** MYC protein expression scoring and its impact on the prognosis of aggressive B-cell lymphoma patients
Maria R. Ambrosio et al.
<http://www.haematologica.org/content/104/1/e25>
- e29** Incidence of upper-extremity deep vein thrombosis in western France: a community-based study
Aurélien Delluc et al.
<http://www.haematologica.org/content/104/1/e29>

Case Reports

Case Reports are available online only at www.haematologica.org/content/104/1.toc

- e32** Lymphoproliferation, immunodeficiency and early-onset inflammatory bowel disease associated with a novel mutation in Caspase 8
Veronika Kanderova et al.
<http://www.haematologica.org/content/104/1/e32>
- e35** B-lymphoblastic lymphoma with *TCF3-PBX1* fusion gene
Mari Kubota-Tanaka et al.
<http://www.haematologica.org/content/104/1/e35>
- e38** Spatial clonal evolution leading to ibrutinib resistance and disease progression in chronic lymphocytic leukemia
Richárd Kiss et al.
<http://www.haematologica.org/content/104/1/e38>

Comments

Comments are available online only at www.haematologica.org/content/104/1.toc

- e42** Programmed cell death protein-1 (PD1) expression in the microenvironment of classical Hodgkin lymphoma is similar between favorable and adverse outcome and does not enrich over serial relapses with conventional chemotherapy
Joseph G. Taylor et al.
<http://www.haematologica.org/content/104/1/e42>
- e45** Programmed cell death protein1 (PD1)-expression in the microenvironment of classical Hodgkin lymphoma at relapse after conventional chemotherapy and at relapse on anti-PD1 treatment
Stephanie Sasse et al.
<http://www.haematologica.org/content/104/1/e45>