



Table of Contents

Volume 99, Issue 3: March 2014

Cover Figure

View inside the bone marrow (image created by www.somersault1824.com).

Editorials & Perspectives

- 401** Some cautionary notes on the petite “Holy Grail” of molecular diagnostics
Jo Vandesompele, et al.
→ Referring to the article on page 511
- 402** Post-translational arginylation as a novel regulator of platelet function
Markus Bender, et al.
→ Referring to the article on page 554
- 404** Survey of professional competence in hematology in Europe
Eva Hellström Lindberg, et al.
→ This article has a graphical abstract
- 408** Treatment of autologous stem cell transplant-eligible multiple myeloma patients: ten questions and answers
Mohamad Mohty, et al.

Review Articles

- 417** Co-operating STAT5 and AKT signaling pathways in chronic myeloid leukemia and mastocytosis: possible new targets of therapy
Siham Bibi, et al.
- 430** Management and treatment of osteonecrosis in children and adolescents with acute lymphoblastic leukemia
Mariël L. te Winkel, et al.
- 437** Measurement of adherence to BCR-ABL inhibitor therapy in chronic myeloid leukemia: current situation and future challenges
Lucien Noens, et al.

Articles

Hematopoiesis

- 448** *In vivo* generation of decidual natural killer cells from resident hematopoietic progenitors
Laura Chiossone, et al.

Chronic Myeloid Leukemia

- 458** Achieving deeper molecular response is associated with a better clinical outcome in chronic myeloid leukemia patients on imatinib front-line therapy
Gabriel Etienne, et al.

Acute Myeloid Leukemia

- 465** Next-generation sequencing-based multigene mutational screening for acute myeloid leukemia using MiSeq: applicability for diagnostics and disease monitoring
Rajyalakshmi Luthra, et al.
- 474** Hemophagocytic syndrome in patients with acute myeloid leukemia undergoing intensive chemotherapy
Karen Delavigne, et al.



Non-Hodgkin Lymphoma

- 481** Early lesions of follicular lymphoma: a genetic perspective
Emilie Mamessier, et al.
→ This article has a graphical abstract
- 489** Outcome prediction of diffuse large B-cell lymphomas associated with hepatitis C virus infection: a study on behalf of the *Fondazione Italiana Linfomi*
Michele Merli, et al.
- 497** Primary cold agglutinin-associated lymphoproliferative disease: a B-cell lymphoma of the bone marrow distinct from lymphoplasmacytic lymphoma
Ulla Randen, et al.
- 505** Autologous stem cell transplantation after conditioning with yttrium-90 ibritumomab tiuxetan plus BEAM in refractory non-Hodgkin diffuse large B-cell lymphoma: results of a prospective, multicenter, phase II clinical trial
Javier Briones, et al.

Multiple Myeloma

- 511** Circulating serum microRNAs as novel diagnostic and prognostic biomarkers for multiple myeloma and monoclonal gammopathy of undetermined significance
Lenka Kubickova, et al.
→ This article has a graphical abstract

Stem Cell Transplantation

- 519** Pre-transplant prognostic factors of long-term survival after allogeneic peripheral blood stem cell transplantation with matched related/unrelated donors
Sophie Servais, et al.
- 527** Allogeneic stem cell transplantation for advanced cutaneous T-cell lymphomas: a study from the French Society of Bone Marrow Transplantation and French Study Group on Cutaneous Lymphomas
Adèle de Masson, et al.
- 535** Cost-effectiveness and clinical outcomes of double *versus* single cord blood transplantation in adults with acute leukemia in France
Myriam Labopin, et al.
- 541** High pre-transplant serum nitrate levels predict risk of acute steroid-refractory graft-*versus*-host disease in the absence of statin therapy
Sascha Dietrich, et al.
- 548** Quality of life associated with sirolimus for prevention of graft-*versus*-host disease: results from a randomized trial
Heather S.L. Jim, et al.

Blood Coagulation and its Disorders

- 554** Loss of ATE1-mediated arginylation leads to impaired platelet myosin phosphorylation, clot retraction, and *in vivo* thrombosis formation
Lurong Lian, et al.
→ This article has a graphical abstract
- 561** Distinct frequencies and mutation spectrums of genetic thrombophilia in Korea in comparison with other Asian countries both in patients with thromboembolism and in the general population
Hee-Jin Kim, et al.

Red Cell Biology and its Disorders

- 570** Thalassemic erythrocytes release microparticles loaded with hemichromes by redox activation of p72Syk kinase
Emanuela Ferru, et al.

Iron Metabolism and its Disorders

- 579** The effect of iron loading and iron chelation on the innate immune response and subclinical organ injury during human endotoxemia: a randomized trial
Lucas T. van Eijk, et al.



Immunotherapy

- 588** Combination peptide immunotherapy suppresses antibody and helper T-cell responses to the RhD protein in HLA-transgenic mice
Lindsay S. Hall, et al.

Letters to the Editor

Letters are available online only at www.haematologica.org/content/99/3.toc

- e30** Genetic thrombophilia and natural anticoagulants: importance of polymorphisms within and outside the genes
Shrimati Shetty, et al.
<http://www.haematologica.org/content/99/3/e30>
- e31** The myelodysplastic syndrome-comorbidity index provides additional prognostic information on patients stratified according to the revised international prognostic scoring system
Esther Zipperer, et al.
<http://www.haematologica.org/content/99/3/e31>
- e33** Subcutaneous bortezomib incorporated into the bortezomib-thalidomide-dexamethasone regimen as part of front-line therapy in the context of autologous stem cell transplantation for multiple myeloma
Anne Lok, et al.
<http://www.haematologica.org/content/99/3/e33>
- e35** Serum hepcidin following autologous hematopoietic cell transplantation: an illustration of the interplay of iron status, erythropoiesis and inflammation
Aur lie Jaspers, et al.
<http://www.haematologica.org/content/99/3/e35>
- e38** A decisional algorithm to start iron chelation in patients with beta thalassemia
Fabrice Danjou, et al.
<http://www.haematologica.org/content/99/3/e38>
- e41** Post-thrombotic syndrome is an independent determinant of health-related quality of life following both first proximal and distal deep vein thrombosis
Lara N. Roberts, et al.
<http://www.haematologica.org/content/99/3/e41>
- e44** Effect of busulfan on *JAK2V617F* allele burden
Maria Luigia Randi, et al.
<http://www.haematologica.org/content/99/3/e44>