

This Month in the Journal

- 433 Altered expression of adhesion receptors after *ex vivo* short term expansion of primitive progenitor cell
Vittorio Rosti
- 433-434 Efficacy and safety of sildenafil in the treatment of severe pulmonary hypertension in patients with hemoglobinopathies
Victor R. Gordeuk
- 434 Gene expression analysis fails to identify patients with chronic myeloid leukemia who will achieve cytogenetic response to imatinib
Carlo Gambacorti Passerini
- 434-435 IgV_H mutations in patients with chronic lymphocytic leukemia
Robin Foà
- 435 Analysis of V_H genes in 49 marginal zone lymphoma cases reveals marked heterogeneity between splenic and nodal tumors and suggests the existence of clonal selection
Christiane De Wolf-Peters
- 436 Adhesion of myeloma cells to the bone marrow stroma matrix protein fibronectin is stimulated by hepatocyte growth factor
Ivan VanRiet
- 436-437 CD44v6, a target for novel antibody treatment approaches, is frequently expressed in multiple myeloma and associated with deletion of chromosome arm 13q
Constantine S. Mitsiades
- 437 Factor VIII half-life and intensity of treatment in hemophilic patients
Vicente Vicente
- 437 Elevated levels of d-dimer and fragment 1+2 upon central venous catheter insertion and factor V Leiden predict subclavian vein thrombosis
Agnes Lee
- 437-438 A new oxygen transport agent
Thomas A. Standl
- 438-439 Use of mesenchymal stem cells for the prevention of immune complications of hematopoietic stem cell transplantation
Katarina Le Blanc, Olle Ringdén
- 439-440 Rising cytomegalovirus PP65 antigenemia and DNA levels during preemptive antiviral therapy
Michael Boeckh

Editorials and Perspectives

- 441-444 Pulmonary hypertension in patients with hemoglobinopathies: could a mechanism for dysfunction provide an avenue for novel therapeutics?
Elaina E. Lin, Mark T. Gladwin, Roberto F. Machado

Research Papers

- 445-451 *Hematopoiesis*
Modulation of homing properties of primitive progenitor cells generated by *ex vivo* expansion
Jacques Foguenne, Sandra Huygen, Roland Greimers, Yves Beguin, André Gothot

- 452-458 *Red Cell Disorders*
Efficacy and safety of sildenafil in the treatment of severe pulmonary hypertension in patients with hemoglobinopathies
Giorgio Derchi, Gian Luca Forni, Francesco Formisano, Maria Domenica Cappellini, Renzo Galanello, Giandomenico D'Ascola, Patrizio Bina, Carmelo Magnano, Martina Lamagna
- 459-464 *Chronic Myeloproliferative Disorders*
In chronic myeloid leukemia white cells from cytogenetic responders and non-responders to imatinib have very similar gene expression signatures
Lucy C. Crossman, Motomi Mori, Yi-Ching Hsieh, Thoralf Lange, Peter Paschka, Christina A. Harrington, Knut Krohn, Dietger W. Niederwieser, Rüdiger Hehlmann, Andreas Hochhaus, Brian J. Druker, Michael W.N. Deininger
- 465-469 *Chronic Lymphoproliferative Disorders*
Patients with chronic lymphocytic leukemia with mutated V_H genes presenting with binet stage B or C form a subgroup with a poor outcome
Genard Tobin, Ulf Thunberg, Anna Laurell, Karin Karlsson, Anna Åleskog, Kerstin Willander, Ola Söderberg, Mats Merup, Jubani Vilpo, Magnus Hultdin, Christer Sundström, Göran Roos, Richard Rosenquist
- 470-478 *Malignant Lymphomas*
Analysis of V_H genes in marginal zone lymphoma reveals marked heterogeneity between splenic and nodal tumors and suggests the existence of clonal selection
Alexandra Traverse-Glehen, Frédéric Davi, Elsa Ben Simon, Evelyne Callet-Bauchu, Pascale Felman, Lucile Baseggio, Sophie Gazzo, Catherine Thieblemont, Carole Charlot, Bertrand Coiffier, Françoise Berger, Gilles Salles
- 479-488 *Multiple Myeloma*
Human myeloma cells adhere to fibronectin in response to hepatocyte growth factor
Randi Utne Holt, Vadim Baykov, Torstein Baade Rø, Sigmund Brabrand, Anders Waage, Anders Sundan, Magne Borset
- 489-493 *Multiple Myeloma*
CD44v6, a target for novel antibody treatment approaches, is frequently expressed in multiple myeloma and associated with deletion of chromosome arm 13q
Peter Liebisch, Susanne Eppinger, Christine Schöpflin, Gerd Stehle, Gerd Munzert, Hartmut Döhner, Mathias Schmid
- 494-498 *Disorders of Hemostasis*
Factor VIII half-life and clinical phenotype of severe hemophilia A
Karin van Dijk, Johanna G. van der Bom, Peter J. Lenting, Philip G. de Groot, Eveline P. Mauser-Bunschoten, Goris Roosendaal, Diederick E. Grobbee, H. Marijke van den Berg
- 499-504 *Thrombosis*
Elevated levels of D-dimer and fragment 1+2 upon central venous catheter insertion and factor V Leiden predict subclavian vein thrombosis
Flip H. Jansen, Hanneke M. van der Straaten, Mark Roest, Fred Haas, Philip G. de Groot, Rob Fijnheer
- 505-515 *Transfusion Medicine*
A phase I single-blind clinical trial of a new oxygen transport agent (MP4), human hemoglobin modified with maleimide-activated polyethylene glycol
Magnus Björkholm, Bengt Fagrell, Robert Przybelski, Nancy Winslow, Mark Young, Robert M. Winslow
- 516-525 *Stem Cell Transplantation*
Interaction of human mesenchymal stem cells with cells involved in alloantigen-specific immune response favors the differentiation of CD4⁺ T-cell subsets expressing a regulatory/suppressive phenotype
Rita Maccario, Marina Podestà, Antonia Moretta, Angela Cometa, Patrizia Comoli, Daniela Montagna, Liane Daudt, Adalberto Ibatici, Giovanna Piaggio, Sarah Pozzi, Francesco Frassoni, Franco Locatelli

- 526-533 *Stem Cell Transplantation*
Preemptive therapy of human cytomegalovirus infection in allogeneic hematopoietic stem cell transplant recipients may be biased by rising antigenemia levels
Giuseppe Gerna, Daniele Lilleri, Marco Zecca, Emilio Paolo Alessandrino, Fausto Baldanti, Maria Grazia Revello, Franco Locatelli

Progress in Hematology

- 534-541 *Chronic Myeloid Leukemia*
New tyrosine kinase inhibitors in chronic myeloid leukemia
Giovanni Martinelli, Simona Soverini, Gianantonio Rosti, Daniela Cilloni, Michele Baccarani

Molecular Basis of Disease

- 542-548 *Prion Diseases*
Prions and the blood and immune systems
Neil Mabbott, Marc Turner

Letters to the Editor

- 549-551 *Red Cell Disorders*
Mature erythrocyte indices: new markers of iron availability
Christophe Bovy, André Gothot, Jean-Marie Krzesinski, Yves Beguin

- 551-552 *Red Cell Disorders*
A new polyadenylation site mutation associated with a mild β -thalassemia phenotype
Piero C. Giordano, Marelle J. Bouwa, Peter Van Delft, Nicole Akkerman, Mies C. Kappers-Klunne, Cornelis L. Harteveld

- 552-554 *Red Cell Disorders*
Nutritional iron status in children with α^+ thalassemia and the sickle cell trait in a malaria endemic area on the coast of Kenya
Alice M. Nyakerig, Marita Troye-Blomberg, Jedidah K. Mwacharo, Sammy Wambua, Thomas N. Williams

- 554-556 *Immunodeficiency Syndromes*
Neutropenia in Iranian patients with primary immunodeficiency disorders
Nima Rezaei, Abolbassan Farhoudi, Zahra Pourpak, Asghar Aghamohammadi, Mostafa Moin, Masoud Movahedi, Mohammad Gharagzlou

- 556-558 *Chronic Myeloid Leukemia*
Clonal cytogenetic abnormalities in patients with chronic myeloid leukemia in complete cytogenetic response to imatinib mesylate
Blanca Espinet, Ana Carla Oliveira, Concepción Boqué, Alicia Domingo, Esther Alonso, Francesc Solé

- 558-559 *Acute Myeloid Leukemia*
The incidence of submicroscopic deletions in reciprocal translocations is similar in acute myeloid leukemia, BCR-ABL positive acute lymphoblastic leukemia, and chronic myeloid leukemia
Ulrike Bacher, Susanne Schmittger, Wolfgang Kern, Wolfgang Hiddemann, Torsten Haferlach, Claudia Schoch

- 559-562 *Multiple Myeloma*
Global real-time quantification/reverse transcription-polymerase chain reaction detecting proto-oncogenes associated with 14q32 chromosomal translocation in multiple myeloma
Emi Tajima, Miyuki Uranishi, Shinsuke Iida, Hirokazu Komatsu, Masakazu Nitta, Ryuzo Ueda

- 562-563 *Multiple Myeloma*
Double versus single autotransplantation in multiple myeloma: single center experience of 100 patients
Mervi Putkonen, Auvo Raubala, Maija Itälä, Marjut Kauppila, Tarja-Terttu Pelliniemi, Kari Remes

- 564-565 *Thrombosis*
An improved method for lupus anticoagulant detection
Izaskun Alonso, Francine Vandermijnsbrugge, Els Vanremoortele, Christophe Bradstreet, Andre Efra, Brigitte Cantinieaux

- 565-567 *Stem Cell Transplantation*
Long-term follow-up of lymphocyte populations and cellular cytokine production in patients with chronic graft-versus-host disease treated with extracorporeal photopheresis
Maria Gomes da Silva, Lara Ferreira Neto, António Guimarães, Alexandra Machado, António Parreira, Manuel Abecasis

- 567-569 *Stem Cell Transplantation*
Clinical grading of oral chronic graft-versus-host disease in 104 consecutive adult patients
Alessandro Busca, Franco Locatelli, Sergio Vai, Anna Maria Dall'Omo, Attilio Gargiulo, Michele Falda

- 569-570 *Stem Cell Transplantation*
Cytomegalovirus infection and chronic graft-versus-host disease are significant prognostic factors of renal failure after allogeneic hematopoietic stem cell transplantation
Eric Deconinck, Marc Kribs, Jean-Michel Rebibou, Claude-Eric Bulabois, Didier Ducloux, Jean-Yves Cahn

- 570-572 *Stem Cell Transplantation*
A psychosocial assessment interview of candidates for hematopoietic stem cell transplantation
Celso Garcia Jr, Neury José Botega, Carmino Antonio De Souza

- 572-574 *Epidemiology*
No relationship between hepatitis C infection and risk of myeloid malignancy
Naoko Murashige, Masahiro Kami, Hiroshi Iwata, Yukiko Kishi, Keitaro Matsuo

Continuing Medical Education

- 575 Imatinib resistance in chronic myeloid leukemia
575 Prions and the immune system
576 Factor VIII half-life and clinical phenotype of severe hemophilia A