

This Month in the Journal

- 1009 A novel method for isolation and expansion of human umbilical cord mesenchymal stem cells
Jean-Jacques Lataillade
- 1009 More on thalidomide therapy for myelofibrosis
Ayalew Tefferi
- 1010 The role of vascular endothelial growth factor in the pathogenesis of multiple myeloma
Ivan Van Riet
- 1010 The course of severe immune thrombocytopenic purpura in patients who are not splenectomized
James George
- 1011 Venous thromboembolism in very elderly patients
Gualtiero Palareti
- 1011 Out of hospital treatment with subcutaneous low molecular weight heparin
Walter Ageno
- 1012 Risk factors in post-transplant lymphoproliferative disorder following allogeneic hematopoietic stem cell transplantation
Rimas J. Orentas
- 1012 Incidence and outcome of invasive fungal infections in patients with hematologic malignancies
Dieter Buchheidt

Editorials and Perspectives

- 1015-1016 Programming a hematopoietic stem cell donor: the evolution of a project over time
Giuseppe Roberto Burgio, Franco Locatelli

Research Papers

Hematopoietic Stem Cells

- 1017-1026 Isolation and characterization of human umbilical cord mesenchymal stem cells with hematopoiesis-supportive function and other potentials
Lu-Lu Lu, Yong-Jun Liu, Shao-Guang Yang, Qin-Jun Zhao, Xin Wang, Wei Gong, Zhi-Bo Han, Zhen-Shu Xu, Yong-Xin Lu, DeLong Liu, Zhi-Zhe Chen, Zhong-Chao Han

Myeloproliferative Disorders

- 1027-1032 Thalidomide versus placebo in myeloid metaplasia with myelofibrosis: a prospective, randomized, double-blind, multicenter study
Jean-François Abgrall, Isabelle Guibaud, Jean-Noël Bastie, Michel Flesch, Jean-François Rossi, Laurence Lacotte-Thierry, Françoise Boyer, Philippe Casassus, Borhane Slama, Christian Berthou, Philippe Rodon, Michel Leporrier, Bruno Villemagne, Chantal Himberlin, Kamel Ghomari, Fabrice Larosa, Florence Rollet, Jacqueline Dugay, Christian Allard, Michel Maigre, Françoise Isnard, Robert Zerbib, Jean-Michel Cauvin
for the Groupe Ouest-Est Leucémies et Maladies du Sang (GOELAMS)

Multiple Myeloma

- 1033-1040 Differential expression of vascular endothelial growth factors and their receptors in multiple myeloma
Teresa Kimlinger, Michael Kline, Shaji Kumar, John Lust, Thomas Witzig, S. Vincent Rajkumar

Platelets

- 1041-1045 The course of severe autoimmune thrombocytopenia in patients not undergoing splenectomy
Thomas Sailer, Klaus Lechner, Simon Panzer, Paul Alexander Kyrle, Ingrid Pabinger

Thrombosis

- 1045-1051 Venous thromboembolism in very elderly patients: findings from a prospective registry (RIETE)
Luciano López-Jiménez, Manuel Montero, José Antonio González-Fajardo, Juan Ignacio Arcelus, Carmen Suárez, José Luis Lobo, Manuel Monreal and the RIETE Investigators

Thrombosis

- 1052-1058 Out of hospital treatment with subcutaneous low molecular weight heparin in patients with acute deep-vein thrombosis: a prospective study in daily practice
Majida Zidane, Leonard H. van Hulsteijn, Bernard J. Brenninkmeijer, Menno V. Huisman

Stem Cell Transplantation

- 1059-1067 The role of HLA mismatch, splenectomy and recipient Epstein-Barr virus seronegativity as risk factors in post-transplant lymphoproliferative disorder following allogeneic hematopoietic stem cell transplantation
Mikael Sundin, Katarina Le Blanc, Olle Ringdén, Lisbeth Barkholt, Brigitta Omazic, Christina Lergin, Viktor Levitsky, Mats Remberger

Infectious Disorders

- 1068-1075 The epidemiology of fungal infections in patients with hematologic malignancies: the SEIFEM-2004 study
Livio Pagano, Morena Caira, Anna Candoni, Massimo Offidani, Luana Fianchi, Bruno Martino, Dsomenico Pastore, Marco Picardi, Alessandro Bonini, Anna Chierichini, Rosa Fanci, Cecilia Caramatti, Rosangela Invernizzi, Daniele Mattei, Maria Enza Mitra, Lorella Melillo, Franco Aversa, Maria Teresa Van Lint, Paolo Falcucci, Caterina Giovanna Valentini, Corrado Girmenia, Annamaria Nosari



Official Organ of the
European Hematology Association

Decision Making and Problem Solving

Disorders of Erythropoiesis

- 1076-1083 Combination erythropoietin-hydroxyurea therapy in sickle cell disease: experience from the National Institutes of Health and a literature review
Jane A. Little, Vicki R. McGowan, Gregory J. Kato, Kristine S. Partovi, Jordan J. Feld, Irina Maric, Sabrina Martyr, James G. Taylor VI, Roberto F. Machado, Theo Heller, Oswaldo Castro, Mark T. Gladwin

Childhood Cancer

- 1084-1091 Late deaths among five-year survivors of childhood cancer. A population-based study in Piedmont Region, Italy
Elisa Dama, Guido Pastore, Maria Luisa Mosso, Daniela Ferrante, Milena Maria Maule, Corrado Magnani, Franco Merletti

Brief Reports

Disorders of Iron Metabolism

- 1092-1095 Molecular and clinical correlates in iron overload associated with mutations in ferroportin
Ivana De Domenico, Diane McVey Ward, Elizabeta Nemeth, Tomas Ganz, Elena Corradini, Francesca Ferrara, Giovanni Musci, Antonello Pietrangelo, Jerry Kaplan

Disorders of Erythropoiesis

- 1096-1099 Osteonecrosis after allogeneic stem cell transplantation in childhood. A case-control study in Italy
Maura Faraci, Maria Grazia Calevo, Edoardo Lanino, Silvia Caruso, Chiara Messina, Claudio Favre, Anna Iori, Stella Santaron, Sonia Bonanomi, Roberto Rondelli, Giorgio Dini, Riccardo Haup on behalf of the AIEOP-SCT Group

Myeloproliferative Disorders

- 1100-1104 An acquired translocation in JAK2Val617Phe-negative essential thrombocythemia associated with autosomal spread of X-inactivation
George S. Vassiliou, Peter J. Campbell, Juan Li, Ian Roberts, Soheila Swanton, Brian J.P. Huntly, Nasios Fourouclas, E. Joanna Baxter, Laura R. Munro, Dominic A. Culligan, Linda M. Scott, Anthony R. Green

Acute Myeloid Leukemia

- 1105-1108 A phase II trial of arsenic trioxide for relapsed and refractory acute lymphoblastic leukemia
Mark R. Litzow, Sandra Lee, John M. Bennett, Gordon W. Dewald, Robert E. Gallagher, Vibha Jain, Elisabeth M. Paietta, Janis Racevskis, Steven R. Rousey, Joseph J. Mazza, Martin S. Tallman

Acute Lymphoblastic Leukemia

- 1109-1112 Methodological approach to minimal residual disease detection by flow cytometry in adult B-lineage acute lymphoblastic leukemia
Mauro Krampera, Omar Perbellini, Carlo Vincenzi, Francesca Zampieri, Annalisa Pasini, Maria Teresa Scupoli, Anna Guarini, Maria Stefania De Propriis, Elaine Coustan-Smith, Antonella Vitale, Dario Campana, Robin Foà, Giovanni Pizzolo

Acute Lymphoblastic Leukemia

- 1113-1116 Folate cycle gene variants and chemotherapy toxicity in pediatric patients with acute lymphoblastic leukemia
Irina Costea, Albert Moghrabi, Caroline Laverdiere, Alexandru Graziani, Maja Krajcinovic

Chronic Lymphocytic Leukemia

- 1117-1120 Clinical features and outcome of familial chronic lymphocytic leukemia
Francesca R. Mauro, Elena Giammartini, Massimo Gentile, Isabella Sperduti, Veronica Valle, Antonio Pizzuti, Anna Guarini, Diana Giannarelli, Robin Foà

Histiocytic Disorders

- 1121-1125 High-dose chemotherapy followed by autologous hematopoietic stem cell transplantation for adult histiocytic disorders with central nervous system involvement
Nathalie Gaspar, Pascaline Boudou, Julien Haroche, Bertrand Wechsler, Eric Van Den Neste, Khe Hoang-Xuan, Zahir Amoura, Remy Guillemin, Julien Savatovski, Nabih Azar, Jean-Charles Piette, Véronique Leblond

Platelets

- 1126-1129 Expression of cellular prion protein on platelets from patients with gray platelet or Hermansky-Pudlak syndrome and the protein's association with α granules
Karel Holada, Hana Glierova, Jan Simak, Jaroslav G. Vostal

Platelets

- 1130-1133 Von Willebrand's disease: a novel mutation, P1824H and the incidence of R1205H defect among families with dominant quantitative von Willebrand factor deficiency
Pilar Casaña, Noelia Cabrera, Saturnino Haya, Ana Rosa Cid, José Antonio Aznar

Infectious Disorders

- 1134-1138 An 18-case outbreak of drug resistant *Pseudomonas aeruginosa* bacteriemia in hematology patients
Jean Baptiste Micol, Stéphane de Botton, Romain Guieze, Valérie Coiteux, Stéphane Darre, Rodrigue Dessein, Olivier Leroy, Ibrahim Yakoub-Agha, Bruno Quesnel, Francis Bauters, Gilles Beaucaire, Serge Alfandari

Letters to the Editor

Hematopoiesis

- 1139-1140 Terminal deoxynucleotidyl transferase-positive cells in spleen, appendix and branchial cleft cysts in pediatric patients
Dennis P. O'Malley, Attilio Orazi

Disorders of Erythropoiesis

- 1141-1142 Association of Hb Shelby with Hb S in the south of Brazil
Sandrine C. Wagner, Cristiane Pereira, Simone M. Castro

Blood Doping

- 1143-1144 The effects of microdose recombinant human erythropoietin regimens in athletes
Michael Ashenden, Emmanuelle Varlet-Marie, Françoise Lasne, Michel Audran

Chronic Myeloid Leukemia

- 1145-1146 Imatinib preceding allogeneic stem cell transplantation in chronic myeloid leukemia
Jolanta B. Perz, Jamsbid S. Khorashad, David Marin, Jane F. Apperley, Eduardo Olavarria

Myeloproliferative Disorders

- 1147-1148 Mutations and promoter methylation status of *NPM1* in myeloproliferative disorders
Yasubiro Oki, Jaroslav Jelinek, Miloslav Beran, Srdan Verstovsek, Hagop M. Kantarjian, Jean-Pierre J. Issa

Multiple Myeloma

- 1149-1150 Evaluation of five staging systems in 470 patients with multiple myeloma
Dimitra Mihou, Irene Katodritou, Kostas Zervas

Disorders of Hemostasis

- 1151-1152 Identification of a novel *PROS1* c.1113T→GG frameshift mutation in a family with mixed type I/type III protein S deficiency
Min Ki ten Kate, Rene Mulder, Mathieu Platteel, Jan-Leendert P. Brouwer, Gerrit van der Steege, Jan van der Meer

Continuing Medical Education

Out of hospital treatment with subcutaneous low molecular weight heparin in patients with acute deep-vein thrombosis: a prospective study in daily practice

The course of severe autoimmune thrombocytopenia in patients not undergoing splenectomy

Osteonecrosis after allogeneic stem cell transplantation in children

Late mortality among five-year survivors of childhood cancer