

**Cover Figure**

*Anaplastic large cell lymphoma of the breast. This image is taken from the letter by Thompson et al. on page 1977.*

**Editorials and Perspectives**

- 1801** **Control of iron homeostasis as a key component of macrophage polarization**  
*Cairo G., Locati M., Alberto Mantovani*
- 1803** **Non-erythroid effects of erythropoietin**  
*Murat O. Arcasoy*
- 1805** **Autoimmune lymphoproliferative syndrome: a multifactorial disorder**  
*Frédéric Rieux-Laucat and Aude Magerus-Chatinet*
- 1807** **Antenatal treatment of fetal alloimmune thrombocytopenia: a current perspective**  
*Cheryl A. Vinograd and James B. Bussell*
- 1811** **B-cell-directed therapy for chronic graft-versus-host disease**  
*Caron A. Jacobson and Jerome Ritz*

**Original Articles**

- 1814** **Macrophages**  
**Polarization dictates iron handling by inflammatory and alternatively activated macrophages**  
*Gianfranca Corna, Lara Campana, Emanuele Pignatti, Alessandra Castiglioni, Enrico Tagliafico, Lidia Bosurgi, Alessandro Campanella, Silvia Brunelli, Angelo A. Manfredi, Pietro Apostoli, Laura Silvestri, Clara Camaschella, and Patrizia Rovere-Querini*
- 1823** **Macrophages**  
**Macrophages as novel target cells for erythropoietin**  
*Lilach Lifshitz, Galit Tabak, Max Gassmann, Moshe Mittelman, and Drorit Neumann*
- 1832** **Iron Metabolism**  
**Transferrin receptor 2 and HFE regulate furin expression via mitogen-activated protein kinase/extracellular signal-regulated kinase (MAPK/Erk) signaling. Implications for transferrin-dependent hepcidin regulation**  
*Maura Poli, Sara Lusciati, Valentina Gandini, Federica Maccarinelli, Dario Finazzi, Laura Silvestri, Antonella Roetto, and Paolo Arosio*

- 1841** **Red Cell Disorders**  
**Aggregation of mononuclear and red blood cells through an  $\alpha_4\beta_2$ -Lu/basal cell adhesion molecule interaction in sickle cell disease**  
*Vicky Chaar, Julien Picot, Olivier Renaud, Pablo Bartolucci, Ruben Nzouakou, Dora Bachir, Frédéric Galactéros, Yves Colin, Caroline Le Van Kim, and Wassim El Nemer*

- 1849** **Red Cell Disorders**  
**Prevalence, incidence and types of mild anemia in the elderly: the "Health and Anemia" population-based study**  
*Mauro Tettamanti, Ugo Lucca, Francesca Gandini, Angela Recchia, Paola Mosconi, Giovanni Apolone, Alessandro Nobili, Maria Vittoria Tallone, Paolo Detoma, Adriano Giacomini, Mario Clerico, Patrizia Tempia, Luigi Savoia, Gilberto Fasolo, Luisa Ponchio, Matteo G. Della Porta, and Emma Riva*

- 1857** **Acute Myeloid Leukemia**  
**Prognostic factors and outcomes of adult patients with acute myeloid leukemia after first relapse**  
*Saiko Kurosawa, Takuhiro Yamaguchi, Shuichi Miyawaki, Naoyuki Uchida, Toru Sakura, Heiwa Kanamori, Kensuke Usuki, Takuya Yamashita, Yasushi Okoshi, Hirohiko Shibayama, Hirohisa Nakamae, Momoko Mawatari, Kazuo Hatanaka, Kazutaka Sunami, Manabu Shimoyama, Naohito Fujishima, Yoshinobu Maeda, Ikuo Miura, Yoichi Takaue, and Takahiro Fukuda*

- 1865** **Malignant Lymphomas**  
**Constitutive and B-cell receptor-induced activation of STAT3 are important signaling pathways targeted by bortezomib in leukemic mantle cell lymphoma**  
*Fanny Baran-Marszak, Mohand Boukhiar Stéphanie Harel, Christelle Laguillier, Claudine Roger, Remy Gressin, Antoine Martin, Remi Fagard, Nadine Varin-Blank, Florence Ajchenbaum-Cymbalista, and Dominique Ledoux*

- 1873** **Malignant Lymphomas**  
**Blastic plasmacytoid dendritic cell neoplasm in children: diagnostic features and clinical implications**  
*Armin G. Jegalian, Nataliya P. Buxbaum, Fabio Facchetti, Mark Raffeld, Stefania Pittaluga, Alan S. Wayne, and Elaine S. Jaffe*

- 1880** **Lymphoproliferative Disorders**  
**Protein expression analysis of chronic lymphocytic leukemia defines the effect of genetic aberrations and uncovers a correlation of CDK4, P27 and P53 with hierarchical risk**  
*Dirk Winkler, Christof Schneider, Manuela Zucknick, Daniela Bögelein, Kerstin Schulze, Thorsten Zenz, Julia Mohr, Angela Philippen, Henriette Huber, Andreas Bühler, Annett Habermann, Axel Benner, Hartmut Döhner, Stephan Stilgenbauer, and Daniel Mertens*

- 1889** **Lymphoproliferative Disorders**  
Lycorine sensitizes CD40 ligand-protected chronic lymphocytic leukemia cells to bezafibrate- and medroxyprogesterone acetate-induced apoptosis but dasatanib does not overcome reported CD40-mediated drug resistance  
*Rachel E. Hayden, Guy Pratt, Mark T. Drayson, and Chris M. Bunce*

- 1897** **Lymphoproliferative Disorders**  
Role of tissue inhibitor of metalloproteinases-1 in the development of autoimmune lymphoproliferation  
*Elena Boggio, Manuela Indelicato, Elisabetta Orilieri, Riccardo Mesturini, Maria Clorinda Mazzarino, Maria Francesca Campagnoli, Ugo Ramenghi, Umberto Dianzani, and Annalisa Chiochetti*

- 1905** **Lymphoproliferative Disorders**  
The role of 9-O-acetylated ganglioside D3 (CD60) and  $\alpha_4\beta_1$  (CD49d) expression in predicting the survival of patients with Sézary syndrome  
*Enrico Scala, Damiano Abeni, Debora Pomponi, Maria Grazia Narducci, Giuseppe Alfonso Lombardo, Adriano Mari, Marina Frontani, Maria Cristina Picchio, Maria Antonietta Pilla, Elisabetta Caprini, and Giandomenico Russo*

- 1913** **Multiple Myeloma**  
Busulfan 12 mg/kg plus melphalan 140 mg/m<sup>2</sup> versus melphalan 200 mg/m<sup>2</sup> as conditioning regimens for autologous transplantation in newly diagnosed multiple myeloma patients included in the PETHEMA/GEM2000 study  
*Juan José Lahuerta, Maria Victoria Mateos, Joaquín Martínez-López, Carlos Grande, Javier de la Rubia, Laura Rosiñol, Anna Sureda, José García-Laraña, Joaquín Díaz-Mediavilla, Miguel T Hernández-García, Dolores Carrera, Joan Besalduch, Felipe de Arriba, Albert Oriol, Lourdes Escoda, Javier García-Frade, Concepción Rivas-González, Adrian Alegre, Joan Bladé and Jesús F San Miguel, for the GEM (Grupo Español de MM) and PETHEMA (Programa para el Estudio de la Terapéutica en Hemopatía Maligna) Cooperative Study Groups*

- 1921** **Platelet Disorders**  
Fetal alloimmune thrombocytopenia and maternal intravenous immunoglobulin infusion  
*Günther Giers, Folker Wenzel, Markus Stockschröder, Regina Riethmacher, Horst Lorenz, and Boris Tutschek*

- 1927** **Hemostasis**  
Heparanase enhances the generation of activated factor X in the presence of tissue factor and activated factor VII  
*Yona Nadir, Benjamin Brenner, Liat Fux, Itay Shafat, Judith Attias, and Israel Vladvsky*

- 1935** **Stem Cell Transplantation**  
Weekly rituximab followed by monthly rituximab treatment for steroid-refractory chronic graft-versus-host disease: results from a prospective, multicenter, phase II study  
*Seok Jin Kim, Jong Wook Lee, Chul Won Jung, Chang Ki Min, Bin Cho, Ho Jin Shin, Joo Seop Chung, Hawk Kim, Won Sik Lee, Young Don Joo, Deok-Hwan Yang, Hoon Kook, Hyoung Jin Kang, Hyo Seop Ahn, Sung-Soo Yoon, Sang Kyun Sohn, Yoo Hong Min, Woo-Sung Min, Hee-Sook Park, and Jong Ho Won*

- 1943** **Cell Therapy and Immunotherapy**  
Combined CD8<sup>+</sup> and CD4<sup>+</sup> adenovirus hexon-specific T cells associated with viral clearance after stem cell transplantation as treatment for adenovirus infection  
*Maarten L. Zandvliet, J.H. Frederik Falkenburg, Ellis van Liempt, Louise A. Veltrop-Duits, Arjan C. Lankester, Jayant S. Kalpoe, Michel G.D. Kester, Dirk M. van der Steen, Maarten J. van Tol, Roel Willemze, Henk-Jan Guchelaar, Marco W. Schilham, and Pauline Meij*

## Decision Making and Problem Solving

- 1952** **Thrombosis**  
Post-thrombotic syndrome in children: a systematic review of frequency of occurrence, validity of outcome measures, and prognostic factors  
*Neil A. Goldenberg, Marco P. Donadini, Susan R. Kahn, Mark Crowther, Gili Kenet, Ulrike Nowak-Göttl, and Marilyn J. Manco-Johnson*

## Brief Reports

- 1960** **Myeloproliferative Neoplasms**  
Comparison of different criteria for the diagnosis of primary myelofibrosis reveals limited clinical utility for measurement of serum lactate dehydrogenase  
*Philip A. Beer, Peter J. Campbell, and Anthony R. Green*

- 1964** **Myelodysplastic Syndromes**  
p-ERK1/2 is a predictive factor of response to erythropoiesis-stimulating agents in low/int-1 myelodysplastic syndromes  
*Emilie Frisan, Patrycja Pawlikowska, Cecile Pierre-Eugène, Vivian Viallon, Laure Gibault, Sophie Park, Patrick Mayeux, François Dreyfus, Françoise Porteu, and Michaëla Fontenay*

1969

### Acute Myeloid Leukemia

Neoplastic meningitis in patients with acute myeloid leukemia scheduled for allogeneic hematopoietic stem cell transplantation  
*Martin Bommer, Stephanie von Harsdorf, Hartmut Döhner, Donald Bunjes, and Mark Ringhoffer*

1973

### Multiple Myeloma

Mutations in *TP53* are exclusively associated with del(17p) in multiple myeloma  
*Laurence Lodé, Marion Eveillard, Valérie Trichet, Thierry Soussi, Soraya Wuillème, Steven Richebourg, Florence Magrangeas, Norbert Ifrah, Loïc Campion, Catherine Traullé, François Guilhot, Denis Caillot, Gérald Marit, Claire Mathiot, Thierry Facon, Michel Attal, Jean-Luc Harousseau, Philippe Moreau, Stéphane Minvielle, and Hervé Avet-Loiseau*

## Letters to the Editor

1977

### Malignant Lymphomas

Effusion-associated anaplastic large cell lymphoma of the breast: time for it to be defined as a distinct clinico-pathological entity  
*Philip A. Thompson, Stephen Lade, Howard Webster, Gail Ryan, H. and Miles Prince*

1979

### Lymphoproliferative Disorders

Highly active antiretroviral therapy alone may be an effective treatment for HIV-associated multicentric Castleman's disease  
*Siow Ming Lee, Simon G. Edwards, Daniella N. Chilton, Alan Ramsay, and Robert F. Miller*

1982

### Von Willebrand Disease

Integration of molecular and clinical data of 40 unrelated von Willebrand Disease families in a Spanish locus-specific mutation database: first release including 58 mutations  
*Irene Corrales, Lorena Ramirez, Júlia Ayats, Carme Altisent, Rafael Parra, and Francisco Vidal*

## Continuing Medical Education

Prognostic significance of p-ERK1/2 levels in myelodysplastic syndromes

Post-thrombotic syndrome in children

Mild anemia in the elderly

Fetal alloimmune thrombocytopenia and maternal intravenous immunoglobulin infusion