CONTENTS

BLOOD
The Journal of
The American Society of Hematology

VOL. 61, NO. 6 JUNE 1983

CONTENTS

Review: The Smoldering Myeloid Leukemic States: Clinical and Biologic Features ..... Peter L. Greenberg 1035

Proliferation of Human Malignant Hematopoietic Cells in Immunodeficient Mice: Suppression by
Antibody to Pluripotent K-562 Leukemia Cells Involves Direct Cytolysis and Effector Cells
Bismarck B. Lozzio, Emilio A. Machado, James Mitchell, Carmen B. Lozzio, Carl J. Wust,
and David W. Golde 1045

Exposure of Fibrinogen Receptors on Fresh and Stored Platelets by ADP and Epinephrine as Single
Agents and as a Pair......................... Giovanni Di Minno, Anna M. Capitanio, Perumal Thiagarajan,
Jose Martinez, and Scott Murphy 1054

Monoclonal Antibodies to Human Coagulation Factor V and Factor Va....................... W. Barry Foster,
Marjorie M. Tucker, Jerry A. Katzmann, Randall S. Miller, Michael E. Nesheim, and Kenneth G. Mann
1060

Ex Vivo Selective Isolation of Young Red Blood Cells Using the IBM-2991 Cell Washer
Arthur W. Bracey, Harvey G. Klein, Steven Chambers, and Laurence Corash 1068

Purification of Two Heparin-Binding Proteins From Porcine Platelets and Their Homology With Human
Secreted Platelet Proteins ....................... Boguslaw Rucinski, Andreina Poggi, Pranee James,
John C. Holt, and Stefan Niewiarowski 1072

Monitoring the Entry of New Platelets Into the Circulation After Ingestion of Aspirin
Giovanni DiMinno, Melvin J. Silver, and Scott Murphy 1081

Glucocorticoids and Lymphocytes. III. Effects of Glucocorticoid Administration on Lymphocyte
Glucocorticoid Receptors .............................................................. Gregory F. Shipman, Clara D. Bloomfield,
Kazimiera J. Gajl-Peczalska, Allan U. Munck, and Kendall A. Smith 1086

Flow Cytometry of Reticulocytes Applied to Clinical Hematology.............................. Hans J. Tanke,
Philip H. Rothbarth, Jaak M. J. Vossen, Ger J. M. Koper, and Johan S. Ploem 1091

Persistent Epstein-Barr Virus Infection Mimicking Juvenile Chronic Myelogenous Leukemia:
Immunologic and Hematologic Studies.............. Henry G. Herrod, Lois W. Dow, and John L. Sullivan
1098

Density Heterogeneity of Neutrophilic Polymorphonuclear Leukocytes: Gradient Fractionation and
Relationship to Chemotactic Stimulation....................... Stephen O. Pember, Katherine C. Barnes,
Stephen J. Brandt, and Joseph M. Kinkade, Jr. 1105

Differences in Myeloperoxidase Activity From Neutrophilic Polymorphonuclear Leukocytes of Differing
Density: Relationship to Selective Exocytosis of Distinct Forms of the Enzyme
Stephen O. Pember and Joseph M. Kinkade, Jr. 1116

The Ontogeny of Terminal Deoxynucleotidyl Transferase Positive Cells in the Human Fetus
Michael P. Bodger, George Janossy, Fred J. Bollum, Graham D. Burford, and A. Victor Hoffbrand
1125

Severe Deficiency of Natural Killer Activity in the Peripheral Blood of Patients With Hairy Cell
Leukemia............................ Luigi P. Ruco, Antonio Procopio, Vincenzo Macallini, Antonella Calogero,
Stefania Uccini, Luciana Annino, Franco Mandelli, and Carlo D. Baroni 1132

(Continued on following page)
CONTENTS

Lineage Infidelity in Acute Leukemia .................... L. J. Smith, J. E. Curtis, H. A. Messner, J. S. Senn, H. Furthmayr, and E. A. McCulloch 1138

Modulation of Hemoglobin Synthesis in K-562(S) Cells Treated With Interferons Livia Cioè, Pacifico Meo, Vincenzo Sorrentino, and Giovanni B. Rossi 1146

Characterization of the Effects of Cultured Vascular Cells on the Activation of Blood Coagulation George M. Rodgers, Charles S. Greenberg, and Marc A. Shuman 1155


Four Cases of t(4;11) Acute Leukemia and Its Myelomonocytic Nature in Infants Miharu Nagasaka, Sakan Maeda, Hitoshi Maeda, Hui-Ling Chen, Kenkichi Kita, Osamu Mabuchi, Hideo Misu, Tamotsu Matsuo, and Taketoshi Sugiyama 1174

Intensive Therapy Followed by Bone Marrow Transplantation for Patients With Acute Lymphocytic Leukemia in Second or Subsequent Remission: Determination of Prognostic Factors (A Report From the University of Minnesota Bone Marrow Transplantation Team) William G. Woods, Mark E. Nesbit, Norma K. C. Ramsay, William Krivit, Tae H. Kim, Anne Goldman, Philip B. McGlave, and John H. Kersey 1182

Markedly Elevated Serum IgE Levels Following Allogeneic and Syngeneic Bone Marrow Transplantation ......................... Olle Ringdén, Ulla Persson, S. G. O. Johansson, Henryk Wilczek, Gösta Gahrton, Carl-Gustav Groth, Göran Lundgren, Berit Lönnqvist, and Erna Möller 1190

The Role of Sialic Acid in the Dysfibrinogenemia Associated With Liver Disease: Distribution of Sialic Acid on the Constituent Chains .......... Jose Martinez, Karen A. MacDonald, and Joseph E. Palascak 1196

Myeloperoxidase-Mediated Modulation of Chemotactic Peptide Binding to Human Neutrophils Thomas A. Lane and Geraldine E. Lamkin 1203

Effect of Heparin on the In Vivo Release and Clearance of Human Platelet Factor 4 A. Koneti Rao, Stefan Niewiarowski, Pranee James, John C. Holt, Mary Harris, Bruce Elfenbein, and Christine Bastl 1208

The Expression and Modulation of Human Myeloid-Specific Antigens During Differentiation of the HL-60 Cell Line .................................. Robert F. Graziano, Edward D. Ball, and Michael W. Fanger 1215


Fetal Hemoglobin Production in Cultures of Primitive and Mature Human Erythroid Progenitors: Differentiation Affects the Quantity of Fetal Hemoglobin Produced per Fetal-Hemoglobin-Containing Cell ...................... George J. Dover, Teresa Chan, and Fritz Sieber 1242

Human Neutrophil Dysfunction With Giant Granules and Defective Activation of the Respiratory Burst Peter E. Newburger, John M. Robinson, Katherine B. Pryzwansky, Philip M. Rosoff, Joel S. Greenberger, and Alfred I. Tauber 1247

Demonstration of a Natural Antigalactosyl IgG Antibody on Thalassemic Red Blood Cells Uri Galili, Aviva Korkesh, Itzhak Kahane, and Eliezer A. Rachmilewitz 1258

(Continued on following page)