REVIEW ARTICLE


CLINICAL INTERVENTION AND THERAPEUTIC TRIALS

Clinical Spectrum and Diagnosis of Cobalamin Deficiency ............... S.P. Stabler, R.H. Allen, D.G. Savage, and J. Lindenbaum 871

Induction of Immune Tolerance in Patients With Hemophilia A and Inhibitors Treated With Porcine VIIIC by Home Therapy ................................. C.R.M. Hay, Y. Laurian, F. Verroust, F.E. Preston, and P.B.A. Kernoff 882

HEMATOPOIESIS

Synthesis of Proteins From [35S]Methionine by Guinea Pig Megakaryocytes In Vivo and Time Course of Appearance of Newly Synthesized Proteins in Platelets ........................................ B.P. Schick 887

Variations of Fat Tissue Fraction in Abnormal Human Bone Marrow Depend Both on Size and Number of Adipocytes: A Stereologic Study ....... C. Rozman, J.-C. Reverter, E. Feliu, L. Berga, M. Rozman, and C. Climent 892


Culture of Isolated Bovine Megakaryocytes on Reconstituted Basement Membrane Matrix Leads to Proplatelet Process Formation ........................................ K.S. Topp, F. Tablin, and J. Levin 912

HEMOSTASIS AND THROMBOSIS


Effect of PAI-1 Levels on the Molar Concentrations of Active Tissue Plasminogen Activator (t-PA) and t-PA/PAI-1 Complex in Plasma ........................................ W.L. Chandler, S.L. Trimble, S.-C. Loo, and D. Mornin 930

Fish Oil: A Potent Inhibitor of Platelet Adhesiveness ....................... X. Li and M. Steiner 938

Sulfation of Tyrosine Residues in Coagulation Factor V ............................................... G.L. Hortin 946

Inhibition of Intravascular Platelet Aggregation by Endothelium-Derived Relaxing Factor: Reversal by Red Blood Cells .................................................. D.S. Houston, P. Robinson, and J.M. Gerrard 953

IMMUNOBIOLOGY

B-ly-7, a Monoclonal Antibody Reactive With Hairy Cell Leukemia, Also Defines an Activation Antigen on Normal CD8+ T Cells .................. S.P. Mulligan, P. Travalde, E. Matutes, C. Dearden, L. Visser, S. Poppema, and D. Catovsky 959


(Continued on following page)
(Contents continued)

NEOPLASIA

Kaposi's Sarcoma in Human T-Cell Leukemia Virus Type I-Associated Adult T-Cell Leukemia........S.J. Greenberg, E.S. Jaffe, G.D. Ehrlich, N.J. Korman, B.J. Poiesz, and T.A. Waldmann 971

Expression of the Thymosin β4 Gene During Differentiation of Hematopoietic Cells........R. Shimamura, J. Kudo, H. Kondo, K. Dohmen, H. Gondo, S. Okamura, H. Ishibashi, and Y. Niho 977

Proliferating Cell Nuclear Antigen Expression in Childhood Acute Leukemia........D. Keim, N. Hailat, D. Hodge, and S.M. Hanash 985

Synergistic Inhibition of Lymphoid Tumor Growth In Vitro by Combined Treatment With the Iron Chelator Deferoxamine and an Immunoglobulin G Monoclonal Antibody Against the Transferrin Receptor J.D. Kemp, K.M. Smith, L.J. Kanner, F. Gomez, J.A. Thorson, and P.W. Naumann 991

PHAGOCYTES

Isoquinolinesulfonamide Protein Kinase Inhibitors H7 and H8 Enhance the Effects of Granulocyte-Macrophage Colony-Stimulating Factor (GM-CSF) on Neutrophil Function and Inhibit GM-CSF Receptor Internalization A. Khwaja, P.J. Roberts, H.M. Jones, K. Yong, M.S. Jaswon, and D.C. Linch 996

RED CELLS

Neutrophil Myeloperoxidase Measurement Uncovers Masked Megaloblastic Anemia.....M.L. Gulley, S.A. Bentley, and D.W. Ross 1004

Impaired Erythrocyte Methemoglobin Reduction in Sickle Cell Disease: Dependence of Methemoglobin Reduction on Reduced Nicotinamide Adenine Dinucleotide Content........C.R. Zerez, N.A. Lachant, and K.R. Tanaka 1008

Oxidation-Induced Changes in Microrheologic Properties of the Red Blood Cell Membrane........R.P. Hebbel, A. Leung, and N. Mohandas 1015

Phosphatidylserine Transport in Rhnull Erythrocytes ....................................................R.E. Smith and D.L. Daleke 1021

2,3-Diphosphoglycerate and Intracellular pH as Interdependent Determinants of the Physiologic Solubility of Deoxyhemoglobin S...........................................................................................................W.N. Poillon and B.C. Kim 1028

TRANSPLANTATION


γ-Interferon and Tumor Necrosis Factor Production After Bone Marrow Transplantation Is Augmented by Exposure to Marrow Fibroblasts Infected With Cytomegalovirus....A.S. Duncombe, A. Meager, H.G. Prentice, J.E. Grundy, H.E. Heslop, A.V. Hoffbrand, and M.K. Brenner 1046

CORRESPONDENCE

A New Mutation at IVS1 nt 2(T → A), in β-Thalassemia From Algeria ........................................1054

Incidence of Response and Long-Term Follow-Up in Patients With Hairy Cell Leukemia Treated With Recombinant Interferon α-2a .......................................................................................................................... 1055

SPECIAL DEPARTMENTS

Announcements .......................................................................................................................... 1056

Information for Contributors .................................................................................................. xix

(Continued on following page)
All manuscripts submitted to BLOOD and subsequently accepted for publication will be assessed a $50.00 charge per published page. This charge is necessary to offset the increasing costs of publication.

All manuscripts submitted for consideration for publication in BLOOD should be sent to: Arthur W. Nienhuis, M.D., Editor, BLOOD, The Journal of the American Society of Hematology, 9650 Rockville Pike, Bethesda, MD 20814. For other information, call (301) 571-1895.

The American Society of Hematology certifies that the continuing medical education offering provided by BLOOD, The Journal of The American Society of Hematology, meets the criteria for up to 22 hours of credit in Category 5(a) for the Physician’s Recognition Award of the American Medical Association.
