

BIORHEOLOGY, 25; 917-918, 1988  
0006-355X/88 \$3.00 + .00 Printed in the USA.  
Copyright (c) 1988 Pergamon Press plc. All rights reserved.

## CONTENTS OF CLINICAL HEMORHEOLOGY, VOLUME 8, NUMBER 5

---

VOLUME 8, NUMBER 5

1988

### Contents

A.I. Copley and S. Witte	543 <i>Editorial</i>
A.I. Copley	546 <i>Dedication</i>
	<i>Obituary</i>
A.I. Copley	547 In Memoriam: George William Scott Blair (1902-1987)
	<i>Obituary</i>
J.A. Dormandy and E. Ernst	569 Arpad Matrai (1949-1988)
	<i>Papers</i>
H.A. Zondervon, M.R. Hardeman, L.L.M. Thomas, M.E. Smorenberg-Schoorl and P.E. Treffers	571 Failure of hemorheological intervention: Isovolumeic hemodilution did not prevent early intra-uterine fetal death
M.R. Hardeman, R.M. Bauersachs and H.J. Meiselman	581 RBC laser diffractometry and RBC aggregometry with a rotational viscometer: Comparison with rheoscope and Myrenne Aggregometer
R.R. Puniyani, V.S. Agashe, V. Annapurna and S.R. Daga	595 Haemorheological profile in cases of chronic infections
R. Agosti, M. D'Ettorre, P. Cherubini, A. Clivati, M. Bozzoni and E. Longhini	603 New aspects of erythrocyte aggregation
L.C. Cerny, E.L. Cerny, C.L. Cerny, M. Reath, M. Liszczynskij and S. Gabel	621 Some potential blood substitutes
C.S. Johnson, M.C. Sowter, P.C.W. Stone, A.J. Keidan and J. Stuart	637 Action of cetiedil citrate and oxpentifylline on deformability of sickle cells dehydrated by hyperosmolar stress
Y.Y. Bilto, M. Player and J. Stuart	649 Action of cetiedil citrate on the cation content, de- formability, and osmotic fragility of human erythrocytes
R.R. Puniyani, V. Annapurna and V.S. Jaiswal	663 Haemorheological changes in allergic skin disorders
Shi Yong-de and Lian Ze-jun	669 An equation relating erythrocyte sedimentation rate (ESR) to hematocrit (HCT) and its implication
F. Driss, Ph. Dariset, N. Delhaye and F. Mandy	679 Effect of eicosapentaenoic acid on RBC filterabil- ity and fatty acid composition
M. Boynard, M. Razavian and Y. Beuzard	687 Evaluation of sickle cell aggregation by ultrasound backscattering
D. Koutsouris, M. Boynard, E. Delatour-Hanss and L. Gattegno	695 Rheological properties of desialylated erythrocytes studied by ultrasound backscattering and filtration

(Continued from outside back cover)

- E. Friederichs, M. Lakomek, H. Winkler and W. Tillmann 707 Effects of calcium ions and 2,3-diphosphoglycerate on the solubility of deoxygenated human hemoglobin
- E. Muralidharan and M. Singh 715 Influence of diabetes mellitus and myocardial infarction on erythrocyte sedimentation profiles as determined by He-Ne laser light scanner
- A. Craveri, G. Tornaghi, L. Paganardi, R. Ranieri, S. Scaglioni, M. Torchiana and M. Giovannini 723 Hemorheological changes in obesity
- T. Di Perri, F. Laghi Pasini, L. Ralli, S. Pecechi, V. De Franco, P. Damiani, L. Domini, M. Materazzi, A. Monaci, M. Franchi, A. Buresi, F. Landini, D. Pieragalli, A. Acciavatti, C. Galigani, C. Frigerio, G.L. Messa, P. Blardi and L. Volpi 737 Effect of controlled physical activity on haemorheological and metabolic changes in POAD patients
- A.A. Kaperonis and S. Chien 751 Blood rheology and red cell metabolism in the menstrual cycle in normal and heterozygous thalassemic women
- P. Költringer, O. Eber, P. Lind, G. Klima and V. Ribitsch 763 Hypervolemic short-time hemodilution: Longtime observation of hemorheological parameters
- A. Vaya, J. Aznar, P. Villa, J. Valles, M.T. Santos and V. Martinez-Sales 773 Erythrocyte filterability in patients with cerebro-vascular insufficiency. Effect of pentoxifylline and dipyridamole. Preliminary results
- P.C.W. Stone, S.M. Chalder and J. Stuart 779 Action of piracetam on cation flux and deformability of sickle cells
- Brief Communications*
- E. Ernst, Ch. Schmidlechner, A. Matrai and H. Bergmann 791 Snoring and blood rheology
- T. Wegener and B. Sandhagen 793 N-acetylcysteine reduces the viscosity of macroglobulinaemic plasma in vitro
- D. Norelliffe and M.J. Brown 797 An evaluation of 'Tk' as an indicator of red cell rigidity
- 801 *Announcements*
- 805 *Errata*
- E. Ernst 807 Literature Survey
- 815 Contents of BIORHEOLOGY, Volume 25, Number 1/2 and Number 3