



Pergamon

Biorheology, Vol. 32, No. 6, pp. III-VII, 1995
Copyright © 1995 Elsevier Science Ltd
Printed in the USA. All rights reserved
0006-355X/95 \$9.50 + .00

BIORHEOLOGY

CONTENTS OF VOLUME 32, 1995

VOLUME 32, NUMBER 1

JANUARY-FEBRUARY 1995

Contents

Review

- P. E. Prete, A. Gurakar-Osborne and M. L. Kashyap 1 Synovial fluid lipids and apolipoproteins: A contemporary perspective

Papers

- J. L. Bert and R. K. Reed 17 Flow conductivity of rat dermis is determined by hydration
- D. W. Sutton and G. W. Schmid-Schönbein 29 The pressure-flow relation in resting rat skeletal muscle perfused with pure erythrocyte suspensions
- T. Naiki, K. Hayashi and S. Takemura 43 An LDA and flow visualization study of pulsatile flow in an aortic bifurcation model
- T. W. Taylor and T. Yamaguchi 61 Flow patterns in three-dimensional left ventricular systolic and diastolic flows determined from computational fluid dynamics
- K. Konstantopoulos, K. K. Wu, M. M. Udden, E. I. Bañez, S. J. Shattil and J. D. Hellums 73 Flow cytometric studies of platelet responses to shear stress in whole blood
- 95 *Erratum*
- 97 *Announcements*
- 99 Contents of *Clinical Hemorheology*, Volume 14, Number 4

VOLUME 32, NUMBERS 2-3

MARCH-JUNE 1995

Contents

ABSTRACTS

*9th International Congress of Biorheology
and
2nd International Conference on Clinical Hemorheology
Big Sky, Montana, U.S.A.
23-28 July 1995*

G. R. Cokelet and H. L. Goldsmith	iii	<i>Preface</i>
	v	<i>Daily Program Contents</i>
		<i>Abstracts</i>
	101	Plenary Sessions
	105	Debate
	107	Special Report
	111	Symposia
	215	Free Communications
	405	Contents of <i>Clinical Hemorheology</i> , Volume 14, Number 5
	407	<i>Author Index</i>

VOLUME 32, NUMBER 4

JULY-AUGUST 1995

Contents

R. Yamamoto		<i>Editorial</i>
M. Marquart, A. M. Jamieson, J. Blackwell and T. Gerken		<i>Papers</i>
	421	Dependence of water conductivity on pressure and temperature in plant stems
	431	Solvent effects on the viscoelastic behavior of porcine submaxillary mucin

- | | | |
|---|-----|---|
| X. He and D. N. Ku | 447 | Flow in T-bifurcations: Effect of the sharpness of the flow divider |
| M. I. Cohen, D.-M. Wang and J. M. Tarbell | 459 | Measurement of oscillatory flow pressure gradient in an elastic artery model |
| A. Rachev, S. E. Greenwald, T. P. C. Kane, J. E. Moore, Jr. and J. J. Meister | 473 | Analysis of the strain and stress distribution in the wall of the developing and mature rat aorta |
| S. Chen, B. Gavish, S. Zhang, Y. Mahler and S. Yedgar | 487 | Monitoring of erythrocyte aggregate morphology under flow by computerized image analysis |
| | 497 | <i>Erratum</i> |
| | 499 | <i>Announcement</i> |
| | 501 | Contents of <i>Clinical Hemorheology</i> , Volume 14, Number 6 |

VOLUME 32, NUMBER 5

SEPTEMBER-OCTOBER 1995

Contents

- Papers*
- | | | |
|---|-----|---|
| G. B. Thurston and N. M. Henderson | 503 | Impedance of a fibrin clot in a cylindrical tube: Relation to clot permeability and viscoelasticity |
| S. Kawakami, M. Kaibara, Y. Kawamoto, and K. Yamanaka | 521 | Rheological approach to the analysis of blood coagulation in endothelial cell-coated tubes: Activation of the intrinsic reaction on the erythrocyte surface |
| H. L. Goldsmith, E. S. Kaufer, and F. A. McIntosh | 537 | Effect of hematocrit on adenosine diphosphate-induced aggregation of human platelets in tube flow |
| G. M. Artmann | 553 | Microscopic photometric quantification of stiffness and relaxation time of red blood cells in a flow chamber |
| C. Godin, M. Violleau, and A. Caprani | 571 | Electrochemical analysis of blood cell/substrate interactions under flow conditions |
| | 589 | <i>Erratum</i> |
| | 591 | Contents of <i>Clinical Hemorheology</i> , Volume 15, Number 1 |

VOLUME 32, NUMBER 6

NOVEMBER-DECEMBER 1995

Contents

H. L. Goldsmith	iii	<i>Editorial</i>
	v	<i>Photograph of Drs. Hellmut Hartert and Alex Silberberg</i>
S. Witte	vii	<i>Memorial Address: Hellmut Hartert</i>
Z. Priel	ix	<i>Memorial Address: Alex Silberberg</i>
		<i>Papers</i>
E. Fukada	593	<i>Poiseuille Medal Award Lecture: Piezoelectricity of biopolymers</i>
Y. Kawamura, T. Hoson, S. Kamisaka and R. Yamamoto	611	Formulation of pre-extension in a practical stress-relaxation measurement of the plant cell wall
W. R. Burghardt, T. K. Goldstick, J. Leneschmidt and K. Kempa	621	Nonlinear viscoelasticity and the thrombelastograph: 1. Studies on bovine plasma clots
W. E. Stehbens, D. W. Liepsch, A. Poll and W. Erhardt	631	<i>Brief Communication: Recording of unexpectedly high frequency vibrations of blood vessel walls in experimental arteriovenous fistulae of rabbits using a laser vibrometer</i>
R. A. Adams, S.-A. Evans, F. Kooshesh and J. G. Jones	643	The effects of temperature on the filtration of diluted blood through 3 μm and 5 μm filters
R. K. Banerjee, L. H. Back and Y. I. Cho	655	Flow-pressure drop measurement and calculation in a tapered femoral artery of a dog
	685	<i>Announcement</i>
	687	Contents of <i>Clinical Hemorheology</i> , Volume 15, Number 2
	III	List of Contents and Author Index Volume 32, 1995

BIORHEOLOGY**AUTHOR INDEX, VOLUME 32, 1995***

Adams, R. A., 643	Hellums, J. D., 73	Naiki T., 43
Artemann, G. M., 553	Henderson, N. M., 503	Poll, A., 631
Back, L. H., 655	Hoson, T., 611	Prete, P. E., 1
Banerjee, R. K., 655	Jamieson, A. M., 431	Priel, Z., ix (No. 6)
Bañez, E. I., 73	Jones, J. G., 643	Rachev, A., 473
Bert, J. L., 17	Kaibara, M., 521	Reed, R. K., 17
Blackwell, J., 431	Kamisaka, S., 611	Schmid-Schönbein, G. W., 29
Burghardt, W. R., 621	Kane, T. P. C., 473	Shattil, S. J., 73
Caprani, A., 571	Kashyap, M. L., 1	Stehbens, W. E., 631
Chen, S., 487	Kaufer, E. S., 537	Sutton, D. W., 29
Cho, Y. I., 655	Kawakami, S., 521	Takemura, S., 43
Cohen, M. I., 459	Kawamoto, Y., 521	Tarbell, J. M., 459
Erhardt, W., 631	Kawamura, Y., 611	Taylor, T. W., 61
Evans, S.-A., 643	Kempka, K., 621	Thurston, G. B., 503
Fukada, E., 593	Konstantopoulos, K., 73	Udden, M. M., 73
Gavish, B., 487	Kooshesh, F., 643	Violleau, M., 571
Gerken, T., 431	Ku, D. N., 447	Wang, D.-M., 459
Godin, C., 571	Leneschmidt, J., 621	Witte, S., vii (No. 6)
Goldsmith, H. L., 537	Liepsch, D. W., 631	Wu, K. K., 73
Goldstick, T. K., 621	Mahler, Y., 487	Yamaguchi, T., 61
Greenwald, S. E., 473	Marquart, M., 431	Yamamoto, R., 421, 611
Gurakar-Osborne, A., 1	Mcintosh, F. A., 537	Yamanaka, K., 521
Hayashi, K., 43	Meister, J. J., 473	Yedgar, S., 487
He, X., 447	Moore, J. E., Jr., 473	Zhang, S., 487

* This Author Index does not include an index of authors from Vol. 32, Nos. 2-3, which contains its own index of authors of abstracts for the Big Sky Conference.