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International Symposium on
HEMORHEOLOGICAL APPROACH TO CARDIOVASCULAR DISEASES
A Satellite Meeting of IVth International Congress of Biorheology
August 3, 1981, National Cardiovascular Center, Osaka, Japan

SCIENTIFIC PROGRAM

INVITED LECTURES

Chairmen: T. Azuma (Japan) and W.E. Stehbens (New Zealand)

Arterial Fluid Mechanics and Atherogenesis
C.G. Caro (U.K.)

-Short Communication-An Approach to the Transport and Clearance of
Blood Components in the Human Aortic Intima
T. Nakashima, A. Tanimura and A. Nakashima (Japan)

Chairmen: Y.C. Fung (U.S.A.) and K. Hayashi (Japan)

Main Determinants of Red Blood Cell Deformability. Clinical and
Pharmacological Approaches
J.F. Stoltz (France)

-Short Communication-The Deformability of Cholesterol-Loaded Ery-
throcyte
K. Shiga (Japan)

Chairmen: A.L. Copley (U.S.A.) and E. Fukada (Japan)

The Proper Phase of Clotting. Its Physical Differentiation by Re-
sonance-Thrombography and Thrombelastography
H.H. Hartert (F.R. Germany)

-Short Communication-Blood Coagulation and its Diagnosis
T. Matsuda (Japan)

Chairman: S. Usami (U.S.A.)

New Hemorheological Techniques for the Routine Laboratory
H. Schmid-Schönbein, E. Volger, P. Teitel, H. Kieseletter, U. Dauer
and L. Heilmann (F.R. Germany)

Contribution of Hemorheology to Clinical Medicine
Chairmen: S. Chien (U.S.A.) and H. Niimi (Japan)

Hemorheology in Clinical Medicine
S. Chien (U.S.A.)

Microrheology and Clinical Medicine: Unravelling Some Problems
Related to Thrombosis

H.L. Goldsmith and T. Karino (Canada)

Chairmen: A.M. Ehrly (F.R. Germany) and R. Nakayama (Japan)

Measuring and Assessing Therapeutical Effects and Efficacy of Rhe-
ological Acting Drugs in Vascular Diseases

A.M. Ehrly (F.R. Germany)

Blood Rheology and Oxygen Supply to Tissue

P.S. Lingard (Australia)

The Role of Blood Viscosity in Hypertension

T. Natsume, M. Tsuchiya, A. Sakaguchi, R. Nakayama and M. Ikeda
(Japan)

Nonuniform Sympathetic Nervous Control of Small Arteries in Various
Organs

I. Ninomiya, S. Hirata, S. Suehiro and Y. Okada (Japan)

Studies on the Flow Pattern in the Pulmonary Trunk with a Combined
Doppler and Two-Dimensional Echocardiography from the Transcuta-
neous Approach

Y. Nimura, N. Kinoshita, K. Miyatake, M. Okamoto and H. Sakakibara
(Japan)

Movie Session

Chairmen: W.M. Phillips (U.S.A.) and M. Sugawara (Japan)

Non-invasive Visualization of Intracardiac Blood Flow in Human
Heart Using Pulse Doppler Technique

A. Kitabatake, M. Inoue, M. Asao et al (Japan)

Quantitative Analysis of Capillary Topography and Distribution in
Heart and Brain of Cats: Intravital Microscopic Study

T. Yamakawa, J. Nuccio, B. Chang and R.J. Bing (U.S.A.)

Flow structure in Microvessels in Relation to Vascular Diseases

H. Niimi, S. Hanai, M. Minaniyama and T. Yamakawa (Japan)

Flow Disturbance at Branching Sites in Abdominal Aorta

T. Fukushima and T. Azuma (Japan)

Closing Remarks

R. Nakayama (Japan)

NOTE: The proceedings of the Satellite Meeting will be published
this year in Supplement 1 of CLINICAL HEMORHEOLOGY.