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BOOK REVIEW

PLASMINOGEN ACTIVATION IN FIBRINOLYSIS, IN TISSUE REMODELING, AND IN DEVELOPMENT

P. Brakman, C. Kluft (Eds)
Annals of the New York Academy of Sciences,
Vol. 667, New York, N.Y. 1992.

The volume contains the proceedings of a conference held by the New York Academy of Sciences in conjunction with the Gaubius Institute October 22-25, 1991, in Leiden, Netherlands. It is of interest to the hemorheologist since it is dealing with the importance of plasminogen activations. Beside the importance to fibrinolysis and vascular diseases, the so far little known implications of plasminogen activation and plasmin in tissue repair and development are emphasized. The papers are divided into the following chapters: Plasminogen Activations in Tissues, Fibrinolysis, Pathology, Dynamics in Local Supply of Fibrinolysis Components during Thrombus Formation, Perspectives in the Diagnosis of Localized Fibrinolytic Processes and in Targeting of Fibrinolytic Agents.

The following papers I should like to point out to our readers: The Role of Plasminogen Activators in the Regulation of Connective Tissue Metalloproteinases (G. Murphy, S. Atkinson, et al.), the Urokinase Receptor: Involvement in Cell Surface Proteolysis and Cancer Invasion (V. Ellis, C. Pyke, et al.), Serum-dependent Modulation of the Type 1 Plasminogen Activator Inhibitor Binding to Endothelial Cell Surfaces (S.A. Hill, T.J. Podor), the Mechanism of Plasminogen Activation and the Variability of the Fibrin Effector during Tissue-type Plasminogen Activator-mediated Fibrinolysis (S. Thorsen), Vascular Permeability Factor, Fibrin, and the Pathogenesis of Tumor Stroma Formation (H.F. Dvorak, J.A. Nagy, et al.), Fibrin and its Derivatives in the Normal and Diseased Vessel Wall (A. Bini, B.J. Kudryk), Impact of Endothelial Activation on Fibrinolysis and Local Proteolysis in Tissue Repair (V.W.M van Hinsbergh), the Role of Protected Extracellular Compartments in Interactions between Leukocytes, and Platelets, and Fibrin/Fibrinogen Matrices (J.D. Loike, R. Silverstein, et al.), Thrombin, a Link between Coagulation Activation and Fibrinolysis (R.M. Bertina, N.H. van Tilburg, et al.), Possibilities of Intervention in Intrinsic and Extrinsic Lysis

Programs (G.B.O. Lowe), Possibilities of DNA Analysis for the Detection of Predisposition to Thrombotic Disease (A.E. Thomas, F.R. Green, et al.), as well as all contributions on fibrinolytic therapy.

Most of the contributions contain elucidating figures and detailed references. The volume is well printed and once more demonstrates the valuable contribution of the New York Academy of Sciences to the promotion of the current scientific research.

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