-

CONTENTS

SYMPOSIUM ON REGIONAL BLOOD FLOW Preface. S. G. Hershey	113
EDITORIAL VIEWS	
The Anesthesiologist and Basic Circulatory Research. Arthur C. Guyton	115
ORIGINAL ARTICLES	
General Principles and Determinants of Circulatory Transport. $S.\ G.\ Hershey$	116
Blood Flow to the Lung and Gas Exchange. John B. West	124
Factors That Influence Blood Flow in Skeletal Muscle and Skin. Donald D. Heistad and Francois M. Abboud	139
Mechanisms of Blood Flow and Fluid Exchange in Microvessels: Hemorrhagic Hypotension Model. Benjamin W. Zweifach	157
Effects of Anesthetics on Cerebral, Renal, and Splanchnic Circulations: Recent Developments. C. Philip Larson, Jr., Richard I. Mazze, Lee H. Cooperman, and Harry Wollman	169
Responses of the Coronary Circulation to Physiologic Changes and Pharmacologic Agents. George C. Rowe	182
Effects of Local Anesthetics, Antihistamines, and Glucocorticoids on Peripheral Blood Flow and Vascular Smooth Muscle. <i>Burton M. Altura and Bella T. Altura</i>	197

GUIDE TO AUTHORS

The Guide for Authors is published in the January and July issues. Authors unable to consult these issues may obtain copies from the Editor-in-Chief, Nicholas M. Greene, M.D., Journal of Anesthesiology, Yale University School of Medicine, 333 Cedar St., New Haven, Connecticut 05510.