



Vascular Hemodynamics: Bioengineering and Clinical Perspectives

Peter J. Yim

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The only complete work on vascular hemodynamics

Recently, vascular hemodynamics has undergone major advances, resulting from increasingly sophisticated imaging, computational, and clinical research methodologies. The effects of these advances are likely to be profound at both the scientific and clinical levels. Now, Vascular Hemodynamics provides a self-contained treatment of this rapidly advancing topic as it relates to vascular disease and related pathologies in the human body.

Utilizing a multidisciplinary approach encompassing engineering, vascular biology, vascular imaging, and clinical practice, the book provides a survey of the basic science and clinical research in hemodynamics of the vasculature. The topics presented involve sophisticated modeling, imaging, and measurement techniques. The text emphasizes both the technical and clinical aspects of the field.

Additionally, Vascular Hemodynamics:

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Includes a wide variety of models of vascular pathology, including physical models, finite-element models, linear-system models, transmission-line models, and dye-dilution models

*

Discusses diverse pathologies of the large vessels, the microvasculature, and the systematic vasculature

*

Brings together a range of imaging modalities related to hemodynamics

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Includes both introductory-level and research-oriented material on each topic

Vascular Hemodynamics is the only single-text treatment of this important topic, making it a vital reference for researchers and students of bioengineering, radiology, vascular surgery, neurology, nephrology, cardiology, and oncology.

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Felicia Sharpton:

Typically the book Vascular Hemodynamics: Bioengineering and Clinical Perspectives has a lot of information on it. So when you read this book you can get a lot of advantage. The book was published by the very famous author. The author makes some research prior to write this book. That book very easy to read you can find the point easily after reading this book.

Abel Cooke:

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