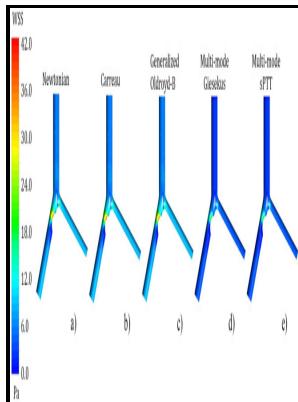


# Handbook of hemorheology and hemodynamics

**IOS Press - Hemorheology and Hemodynamics**



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- Biomedical and health research -- v. 69Handbook of hemorheology and hemodynamics

Notes: Includes bibliographical references and indexes.

This edition was published in 2007



Filesize: 64.84 MB

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## Red Blood Cell Aggregation

The handbook closes with chapters on clinical states associated with abnormal blood rheology, including a chapter on the yet controversial subject of rheological therapy.

## HANDBOOK OF HEMORHEOLOGY AND HEMODYNAMICS

The rate of motion of the cells before capture and the shear forces acting on them during adhesion critically control the efficiency of attachment. The rheological equations contain fluid specific characteristics e.

**9781586037710**

They have successfully achieved their objective to publish a well-written and well-edited handbook that will be valuable for researchers and students in the field. Relevant website addresses are provided in the hope that these will be updated regularly by the manufacturers and vendors.

## Handbook of Hemorheology and Hemodynamics (2007)

In summary, in vitro experimental studies and clinical experience with artificial organs presented in this chapter substantiate the assertion that mechanical stress substantially impairs the mechanical properties of RBC and adversely affects whole blood rheology, and that this impairment may contribute to various medical complications in dialysis, prosthetic heart valve and circulation-assist device recipients. The linkage between the in vitro and in vivo research described in the book will be of interest to both basic science and clinical investigators. Abstract The development of the fetus, the transition and adaptation at birth, and the subsequent maturation during infancy and childhood require considerable adaptation processes of the macro- and microcirculation.

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