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Autore	Kassab Ghassan S
Titolo	Coronary Circulation : Anatomy, Mechanical Properties, and Biomechanics / / by Ghassan S. Kassab
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ISBN	3-030-14819-X
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Descrizione fisica	1 online resource (564 pages)
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Soggetti	Cardiovascular system Biomedical engineering Cardiology Medicine Cardiovascular Biology Biomedical Engineering/Biotechnology Biomedical Engineering and Bioengineering Biomedicine, general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Biomechanics -- Chapter 2: Morphometry of Coronary Vasculature -- Chapter 3: Mechanical Properties and Microstructure of the Coronary Vasculature -- Chapter 4: Constitutive Models of Coronary Vasculature -- Chapter 5: Network Analysis of Coronary Circulation: I. Steady State Flow -- Chapter 6: Network Analysis of Coronary Circulation: II. Pulsatile Flow -- Chapter 7: Scaling Laws of Coronary Vasculature -- Chapter 8: Local Coronary Flow and Stress Distribution.
Sommario/riassunto	This comprehensive text examines both global and local coronary blood flow based on morphometry and mechanical properties of the coronary vasculature. Using a biomechanical approach, this book addresses coronary circulation in a quantitative manner based on models rooted in experimental data that account for the various physical determinants of coronary blood flow including myocardial-vessel interactions and various mechanisms of autoregulation. This is

the first text dedicated to a distributive analysis (as opposed to lumped) and provides digital files for detailed anatomical data (e.g., diameters, lengths, node-to-node connections) of the coronary vessels. This book also provides appendices with specific mathematical formulations for the biomechanical analyses and models in the text. Written by Dr. Ghassan S. Kassab, a leader in the field of coronary biomechanics, *Coronary Circulation: Anatomy, Mechanical Properties, and Biomechanics* is a synthesis of seminal topics in the field and is intended for clinicians, bioengineers, and researchers as a compendium on the topic. The detailed anatomical and mechanical data provided are intended to be used as a platform to address new questions in this exciting and clinically very important research area.

2. Record Nr. UNIORUON00089817

Autore

BOON, James A.

Titolo

Other tribes, other scribes : Symbolic anthropology in the comparative study of culture, histories, religions, and texts / Boon James A

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Cambridge, : Cambridge University Press, 1982. xiv, 303 p. ; 23 cm

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