

Computational biomechanics for medicine: measurements, models and predictions

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Abstrak

This volume comprises the latest developments in both fundamental science and patient-specific applications, discussing topics such as: cellular mechanics, injury biomechanics, biomechanics of the heart and vascular system, algorithms of computational biomechanics for medical image analysis, and both patient-specific fluid dynamics and solid mechanics simulations. With contributions from researchers worldwide, Computational Biomechanics for Medicine: Measurements, Models, and Predictions provides an opportunity for specialists in the field to present their latest methodologies and advancements.