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Titolo	Statistical Atlases and Computational Models of the Heart. Imaging and Modelling Challenges [[electronic resource] ] : 7th International Workshop, STACOM 2016, Held in Conjunction with MICCAI 2016, Athens, Greece, October 17, 2016, Revised Selected Papers // edited by Tommaso Mansi, Kristin McLeod, Mihaela Pop, Kawal Rhode, Maxime Sermesant, Alistair Young
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Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 10124
Disciplina	611.12
Soggetti	Optical data processing Health informatics Computer simulation Mathematical statistics Pattern recognition Cardiology Image Processing and Computer Vision Health Informatics Simulation and Modeling Probability and Statistics in Computer Science Pattern Recognition
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Function across different patient populations -- Cardiac mapping -- Cardiac computational physiology -- Model customization -- Image-based modelling and image-guided interventional procedures -- Atlas based functional analysis.-Ontological schemata for data and results -- Integrated functional and structural analyses -- Pre-clinical and clinical applicability of the methods described.

This book constitutes the thoroughly refereed post-workshop proceedings of the 7th International Workshop on Statistical Atlases and Computational Models of the Heart: Imaging and Modelling Challenges. 7th International Workshop, STACOM 2016, Held in conjunction with MICCAI 2016, Athens, Greece, October 17, 2016, Revised Selected papers The 24 revised full workshop papers were carefully reviewed and selected from 32 submissions. The papers cover a wide range of topics such as cardiac image processing; atlas construction, statistical modelling of cardiac function across different patient populations; cardiac mapping, cardiac computational physiology; model customization; image-based modelling and image-guided interventional procedures; atlas based functional analysis, ontological schemata for data and results; integrated functional and structural analyses; pre-clinical and clinical applicability of the methods described.

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