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Titolo	Statistical Atlases and Computational Models of the Heart. Imaging and Modelling Challenges : 4th International Workshop, STACOM 2013, Held in Conjunction with MICCAI 2013, Nagoya, Japan, September 26, 2013. Revised Selected Papers / / edited by Oscar Camara, Tommaso Mansi, Mihaela Pop, Kawal Rhode, Maxime Sermesant, Alistair Young
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Soggetti	Artificial intelligence Computer vision Bioinformatics Information storage and retrieval systems User interfaces (Computer systems) Human-computer interaction Pattern recognition systems Artificial Intelligence Computer Vision Computational and Systems Biology Information Storage and Retrieval User Interfaces and Human Computer Interaction Automated Pattern Recognition
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Nota di contenuto	Cardiac image processing -- Atlas construction -- Statistical modelling

	of cardiac function across different patient populations -- Cardiac mapping -- Cardiac computational physiology -- Model customization -- Atlas based functional analysis -- Ontological schemata for data and results -- Integrated functional and structural analyses.- Pre-clinical and clinical applicability of these methods.
Sommario/riassunto	This book constitutes the thoroughly refereed post-conference proceedings of the 4th International Workshop on Statistical Atlases and Computational Models of the Heart: Imaging and Modelling Challenges, STACOM 2013, held in conjunction with MICCAI 2013, in Nagoya, Japan, in September 2013. The 31 revised full papers were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on cardiac image processing; atlas construction; statistical modelling of cardiac function across different patient populations; cardiac mapping; cardiac computational physiology; model customization; atlas based functional analysis; ontological schemata for data and results; integrated functional and structural analyses; as well as the pre-clinical and clinical applicability of these methods.