

1. Record Nr.	UNINA9910879395803321
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Titolo	Multiscale cohort modeling of atrial electrophysiology : risk stratification for atrial fibrillation through machine learning on electrocardiograms // Claudia Nagel
Pubbl/distr/stampa	Karlsruhe : , : KIT Scientific Publishing, , 2023
Descrizione fisica	1 online resource
Collana	Karlsruhe transactions on biomedical engineering; ; 27
Disciplina	616.1
Soggetti	Atrial fibrillation - Mathematical models Electrocardiography - Data processing Machine learning Biomedical engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	An early detection and diagnosis of atrial fibrillation sets the course for timely intervention to prevent potentially occurring comorbidities. Electrocardiogram data resulting from electrophysiological cohort modeling and simulation can be a valuable data resource for improving automated atrial fibrillation risk stratification with machine learning techniques and thus, reduces the risk of stroke in affected patients.