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Titolo	Medical Content-Based Retrieval for Clinical Decision Support : Third MICCAI International Workshop, MCBR-CDS 2012, Nice, France, October 1st, 2012, Revised Selected Papers // edited by Hayit Greenspan, Henning Müller, Tanveer Syeda-Mahmood
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Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics, , 3004-9954 ; ; 7723
Disciplina	610.285
Soggetti	Information storage and retrieval systems Application software Pattern recognition systems Data mining Computer vision Electronic data processing - Management Information Storage and Retrieval Computer and Information Systems Applications Automated Pattern Recognition Data Mining and Knowledge Discovery Computer Vision IT Operations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and author index.
Nota di contenuto	Workshop Overview -- Overview of the Third Workshop on Medical Content-Based Retrieval for Clinical Decision Support (MCBR-CDS 2012) -- Invited Talk -- A Polynomial Model of Surgical Gestures for Real-Time Retrieval of Surgery Videos -- Methods -- Exploiting 3D Part-Based Analysis, Description and Indexing to Support Medical Applications -- Skull Retrieval for Craniosynostosis Using Sparse Logistic Regression Models -- 3D/4D Data Retrieval -- Retrieval of 4D Dual Energy CT for Pulmonary Embolism Diagnosis -- Immediate ROI

Search for 3-D Medical Images -- The Synergy of 3D SIFT and Sparse Codes for Classification of Viewpoints from Echocardiogram Videos -- Assessing the Classification of Liver Focal Lesions by Using Multi-phase Computer Tomography Scans -- Invited Talk -- VISCERAL: Towards Large Data in Medical Imaging — Challenges and Directions -- Visual Features -- Customised Frequency Pre-filtering in a Local Binary Pattern-Based Classification of Gastrointestinal Images -- Bag-of-Colors for Biomedical Document Image Classification -- Multimodal Retrieval -- An SVD-Bypass Latent Semantic Analysis for Image Retrieval -- Multimedia Retrieval in a Medical Image Collection: Results Using Modality Classes.

Sommario/riassunto

This book constitutes the refereed proceedings of the Third MICCAI Workshop on Medical Content-Based Retrieval for Clinical Decision Support, MCBR-CBS 2012, held in Nice, France, in October 2012. The 10 revised full papers presented together with 2 invited talks were carefully reviewed and selected from 15 submissions. The papers are divided on several topics on image analysis of visual or multimodal medical data (X-ray, MRI, CT, echo videos, time series data), machine learning of disease correlations in visual or multimodal data, algorithms for indexing and retrieval of data from visual or multimodal medical databases, disease model-building and clinical decision support systems based on visual or multimodal analysis, algorithms for medical image retrieval or classification, systems of retrieval or classification using the ImageCLEF collection.
