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Titolo	Clinical Image-Based Procedures. Translational Research in Medical Imaging [[electronic resource] ] : 5th International Workshop, CLIP 2016, Held in Conjunction with MICCAI 2016, Athens, Greece, October 17, 2016, Proceedings // edited by Raj Shekhar, Stefan Wesarg, Miguel Ángel González Ballester, Klaus Drechsler, Yoshinobu Sato, Marius Erdt, Marius George Linguraru, Cristina Oyarzun Laura
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ISBN	3-319-46472-8
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (IX, 85 p. 40 illus.)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 9958
Disciplina	616.07540285
Soggetti	Computer vision Pattern recognition systems Medical informatics Computer graphics Computer Vision Automated Pattern Recognition Health Informatics Computer Graphics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Personalized Optimal Planning for the Surgical Correction of Metopic Craniosynostosis -- Validation of an Improved Patient-Specific Mold Design for Registration of In-Vivo MRI and Histology of the Prostate -- Fast, Intuitive, Vision-Based: Performance Metrics for Visual Registration, Instrument Guidance, and Image Fusion -- Uncertainty Quantification of Cochlear Implant Insertion from CT images -- Geodesic Registration for Cervical Cancer Radiotherapy -- Detection of Wrist Fractures in X-Ray Images -- Trajectory Smoothing for Guiding Aortic Valve Delivery with Transapical Access -- Stable Anatomical Structure Tracking for video-bronchoscopy Navigation -- An Automatic

Free Fluid Detection for Morrison's-Pouch -- Towards a Statistical Shape-aware Deformable Contour Model for Cranial Nerve Identification.

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Sommario/riassunto

This book constitutes the revised selected papers from the 5th International Workshop on Clinical Image-Based Procedures, CLIP 2016, held in conjunction with MICCAI 2016 in Athens, Greece, in October 2016. The 10 papers presented in this volume were carefully reviewed and selected from 16 submissions. Specific topics include various image segmentation and registration techniques, applied to various parts of the body. They range from interventional planning to navigation of devices and navigation to the anatomy of interest. Clinical applications cover the skull, the cochlea, cranial nerves, the aortic valve, wrists, and the abdomen, among others.

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