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Disciplina	616.07/54/0285
Soggetti	Optical data processing Radiology Pattern recognition Computer graphics Artificial intelligence Health informatics Image Processing and Computer Vision Imaging / Radiology Pattern Recognition Computer Graphics Artificial Intelligence Health Informatics
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Robotics — Endoscopic Device -- Robotics in Image-Guided Surgery -- Robotics — Tele-operation -- Robotics — Device -- Robotics — System -- Validation -- Brain-Tumor, Cortex, Vascular Structure -- Brain -- Imaging and Analysis -- Segmentation -- Cardiac Application -- Computer Assisted Diagnosis.
Sommario/riassunto	The fifth international Conference in Medical Image Computing and Computer Assisted Intervention (MICCAI 2002) was held in Tokyo from September 25th to 28th, 2002. This was the first time that the

conference was held in Asia since its foundation in 1998. The objective of the conference is to offer clinicians and scientists the opportunity to collaboratively create and explore the new medical field. Specifically, MICCAI offers a forum for the discussion of the state of art in computer-assisted interventions, medical robotics, and image processing among experts from multi-disciplinary professions, including but not limited to clinical doctors, computer scientists, and mechanical and biomedical engineers. The expectations of society are very high; the advancement of medicine will depend on computer and device technology in coming decades, as they did in the last decades. We received 321 manuscripts, of which 41 were chosen for oral presentation and 143 for poster presentation. Each paper has been included in these proceedings in eight-page full paper format, without any differentiation between oral and poster papers. Adherence to this full paper format, along with the increased number of manuscripts, surpassing all our expectations, has led us to issue two proceedings volumes for the first time in MICCAI's history. Keeping to a single volume by assigning fewer pages to each paper was certainly an option for us considering our budget constraints. However, we decided to increase the volume to offer authors maximum opportunity to argue the state of art in their work and to initiate constructive discussions among the MICCAI audience.
