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Call for Papers

SPECIAL ISSUE ON

Health Informatics and Management Based on Medical Image Analysis

Journal of Medical Imaging and Health Informatics (JMIHI) invites authors to submit articles on the topics of health informatics and management based on medical image analysis.

In recent years, many new imaging devices have been put into the medical market, and these devices have become the most dependent supplementary tools in health informatics and management. In terms of diagnostic informatics, the medical image analysis can show not only the morphological changes of diseases, but also the functions of organs, which can provide more accurate diagnosis for various disease. The preoperative aided design is a strong necessity to precision medicine, and the operation becomes easier with an effective image information transmission system. At the same time, based on the combination of image analysis and clinical big data, better medical management services for patients is expected to provide. Finally, with the development of medical technology, picture archiving and communication system, as well as image post-processing technology, have been widely used in various hospitals that are becoming more acceptable to digital and information technology.

This special issue focuses on the relevant advance of medical image analysis and its application in health informatics and management. The main objective of this special issue is to provide an overview of the current state-of-the-art advances in new progress of health informatics and management, with a special emphasis given to its combination with medical image analysis over the past decade.
Potential topics include, but are not limited to:

- New concept of health informatics and health management.
- Progress of imaging technology in medical informatics.
- Evaluation of imaging techniques for the prognosis of patients.
- Design of medical image assisted surgery.
- Understanding of medical science based on combination of imaging technology and information management technology.

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