Aims & Scope:

Current Medical Imaging Reviews publishes frontier review articles, original research articles, drug clinical trial studies and guest edited thematic issues on all the latest advances on medical imaging dedicated to clinical research. All relevant areas are covered by the journal, including advances in the diagnosis, instrumentation and therapeutic applications related to all modern medical imaging techniques.

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Abstract:

In the past decades, medical images have been playing an increasingly important role in clinical diagnosis. Various imaging techniques such as X-rays, ultrasounds, computed tomography (CT) scans, and magnetic resonance images (MRIs) have been utilized to detect abnormalities in the human body. Physicians can observe tumors, tissues, and anatomical structures through such medical images. However, due to the medical image, datasets are large and complex; the clinicians have to manually extract important information from these datasets. Usually, the process is tedious and complex. Therefore, useful computational methods in processing medical image are able to improve disease diagnosis and testing. This special issue focuses on the computational algorithms on medical image processing as image segmentation, visualization, and so forth. The topics of this special issue are listed as below:

- High performance computing on medical image processing
- Deep learning for Medical Imaging Intelligence
- Computer-Aided Diagnosis Systems
- Numerical models in medical image processing
- Fuzzy image processing
- Evolutional image processing

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