

Tentative Outline (Preliminary Proposal of Thematic Issue)

Special/Thematic Issue for the journal "Current Medical Imaging - CMIM"

Title: Quality improvement of medical data using machine learning in clinical applications

Guest Editor: Qiang Jiang

Scope of the Thematic Issue:

Thematic Issue focuses on the challenge of low-quality medical data in clinical applications, which is expected to be solved by machine learning models. The themes of this Thematic Issue to be investigated may include the quality improvement of medical image and clinical data.

Keywords: data quality improvement, medical image quality improvement, machine learning, clinical applications, artificial intelligence

Sub-topics:

- Multi-model medical image fusion
- Medical image denoising
- Medical image super-resolution imaging
- Low-dose CT reconstruction
- Clinical medical image segmentation
- Clinical medical image enhancement
- Image-based clinical diagnosis
- Medical data cleaning
- Medical data analysis
- Medical data mining
- Clinical data Completeness
- Clinical data quality evaluation
- Data-driven clinical decision support

Schedule:

- ✧ Complete Thematic issue submission deadline: March 30, 2023

Details of Guest Editors:

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