



BioMed Research International

Special Issue on
**Dynamic Imaging and Quantifiable Methods in
Nuclear Medicine and Magnetic Resonance Imaging**

CALL FOR PAPERS

The purpose of this special issue is to advance clinical diagnosis and understanding of patient disease. Dynamic imaging with radiopharmaceuticals and magnetic materials has a long history. With the advances in scanner technology, positron emission tomography (PET) with time of flight (TOF), single photon emission computed tomography (SPECT) with the possibility of quantification, functional magnetic resonance imaging (fMRI), and hybrid machines (PET/CT, PET/MRI, and SPECT/CT), it is becoming more feasible to do dynamic studies which can be transferred from research to clinical applications.

We invite investigators to contribute original research as well as review articles that will advance the application of radionuclidic and fMRI dynamic studies to foster the clinical outcome of patients.

Potential topics include, but are not limited to:

- ▶ Bone scanning including fractures, malformation corrections, and osteoporosis evaluated using, for instance, PET and SPECT
- ▶ Cardiac imaging and lung motion correction evaluated using, for instance, PET, SPECT, and fMRI
- ▶ Methods of quantification of dynamic scans that reduce requirements of arterial blood collection to facilitate wider clinical applications of PET and MRI image quantification
- ▶ Dynamic brain and kidney imaging using, for instance, PET, SPECT, and fMRI

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/bmri/molecular.imaging/diqm/>.

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