A medium to disseminate novel experimental and theoretical research results in the field of biomedicine, biology, clinical, rehabilitation engineering, medical image processing, bio-computing, D2H2, and other health related areas. Different medical imaging modalities used for extraction of information from MRI, CT, Ultrasound, X-ray, Thermal, Molecular and fusion of its techniques will also be the focus of this journal. JMIHI publishes Original Research Articles, Reviews, Technical Notes and Rapid Communications.

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Call for Papers

“Medical imaging techniques for sports injuries diagnosis and rehabilitation”

Sport-related injuries can be broadly divided into acute, traumatic injuries and chronic, overuse injuries. As in any other branch of medicine, the diagnosis is usually established after taking a thorough history and performing a careful clinical examination, but will often also include a degree of additional functional assessment. Many factors will have contributed to the injury and the clinician must understand the various demands of the sport concerned and take into account the peculiar functional stresses and injury patterns of that sport if they are to arrive at a specific diagnosis. Factors to consider include a range of internal issues (e.g. the athlete's age, fitness level, biomechanics, previous injuries, current general health) and other external issues (e.g. training programme, environmental stressors, equipment, level of competition), all of which must be taken into consideration when formulating an effective management plan.
Rehabilitation based on the available clinical and imaging information is crucial. Imaging is crucial to confirm and assess the extent of sports-related muscle injuries and may help to guide management, which directly affects the prognosis. This is especially important when the diagnosis or grade of injury is unclear, when recovery is taking longer than expected, and when interventional or surgical management may be necessary. Several imaging techniques are widely available, with ultrasonography, CT technology and magnetic resonance imaging currently the most frequently applied in sports medicine.

Original review and research articles will be considered as well. The topics of interests in the area of medical imaging techniques for sports injuries diagnosis and rehabilitation will include, but are not limited to:

- Clinical imaging process and analysis
- Medical imaging technology diagnosis of sports injuries
- Trauma diagnosis of athletes based on medical imaging technology
- Imaging in sport and exercise medicine
- Images based modelling
- Medical imaging and mathematical modelling
- Medical imaging in rehabilitation

**Important Dates:**
Manuscript Submission Due: 30 August 2019
First Round of Reviews: 30 September 2019
Revised Submission: 31 October 2019
Notification of final Decision: 31 December, 2019
Publication Date: February 2020

**Submission Instructions**

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