Myocardial classification by MRI

Over the past few years we have witnessed great interest in the noninvasive assessment of myocardial classifications using different imaging techniques. In contrast to conventional MR methods, quantitative MRI methods, such as T1 and ECV, have proven to be sensitive and powerful tools in the early detection of diffuse fibrosis, infiltrative disease, and edema. Furthermore T2* continues to be used in the assessment of iron overload, etc. Quantitative parametric mapping techniques are being developed at many places around the world. Although some of the techniques are still purely applied for clinical research, there is a clear trend that these will become clinically relevant at some point in time as well. This Special Issue will provide an overview of the latest developments in this field through invited contributions, as well as manuscripts submitted and peer reviewed for this Special Issue.

We are soliciting manuscripts for this Special Issue that report original research related to the following areas:

- Myocardial late gadolinium enhancement
- Parametric tissue mapping: state-of-the-art techniques (including technically focused papers)
- Applications of T1 and ECV mapping
  - T1 and ECV in nonischemic heart failure
  - T1 and ECV in cardiomyopathies
  - T1 and ECV in heart valve disease
- T2 and “native” T1 in edema, Area at Risk versus infarction (T1, T2 without contrast agent)
- T1, T2, and ECV for clinical trials: a new outcome marker? (e.g. current trial of therapy for cardiac amyloidosis)
- T2* for iron overload
- ECV: MRI versus CT

The deadline for submission is May 1, 2016. Manuscripts submitted after the due date will not be accepted for this Special Issue.

When you are ready to submit your article, please go to http://www.edmgr.com/caim/ and choose the Article Type “S.I.: Myocardial MRI”.

Please note that all manuscripts will go through a thorough peer review process and acceptance to this Special Issue is not guaranteed. Thank you!

We are looking forward to the submissions for the Special Issue of The International Journal of Cardiovascular Imaging.

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