



## Improving the Diagnosis of Acute Myocardial Infarction

Guest Editor:

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### Message from the Guest Editor

The introduction of high-sensitivity cardiac troponin (hs-cTn) in recent years has substantially increased the accuracy in rapidly identifying acute myocardial infarction (AMI) and has enabled the development and extensive validation of early hs-cTn-based diagnostic algorithms, which has substantially reduced the time required for the safe rule-out or rule-in of AMI.

Despite these great advances, there are still several interesting topics in the diagnosis of AMI using hs-cTn for further improvements. The differentiation of myocardial infarction vs. myocardial injury or differentiation between type 1 or 2 myocardial infarction and, consequently, the different therapeutic approaches still remain challenging today. In addition, the clinical benefit of using sex-specific reference values for hs-cTn remains controversial. Finally, the practicability of introducing rapid diagnostic algorithms (e.g., 0/1 h ESC algorithm) in different health care systems worldwide has also been recently questioned.

In this Special Issue, we welcome the submission of original research and review articles to deepen the latest evidence in the field of using hs-cTn for the diagnosis of AMI.





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