

## Special Issue

# Clinical Frontiers in Myocardial Infarction: From Acute Revascularization to Long-Term Secondary Prevention

### Message from the Guest Editor

The management of acute myocardial infarction has improved in recent decades, with reperfusion strategies, drug-eluting stents, and antiplatelet therapies reducing early mortality and recurrent ischemic events. Challenges remain along the continuum of care, from the acute phase to long-term prevention.

A key ongoing debate is the role of complete versus culprit-only revascularization. Questions remain regarding the optimal timing, patient selection, and long-term prognostic benefit of complete revascularization strategies. Advances in intracoronary imaging, combined with refined biomarker and molecular profiling enable better understand plaque biology and identify high-risk lesions beyond angiographic severity. Emerging biomarkers, novel imaging, and machine learning may help identify patients at greatest risk, enabling a more personalized and aggressive pharmacological strategy for secondary prevention.

The Special Issue highlights the progress and gaps in the treatment of myocardial infarction. We welcome original research and reviews on complete revascularization strategies, mechanisms and detection of vulnerable plaque, and new risk stratification tools for secondary prevention.

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### Guest Editor

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## Journal of Clinical Medicine

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