

# Special Issue

## Advances in Cardiovascular Computed Tomography (CT)

### Message from the Guest Editor

In its three decades of existence, cardiovascular CT has established itself as one of the most recommended tests to guide patient management. Despite tremendous technological developments that have helped improve imaging speed, diagnostic accuracy, and patient safety, CT is constantly reinventing itself, with new applications arising regularly. This Special Issue aims to highlight the latest developments and cutting-edge research in cardiovascular computed tomography (CT). Topics of interest include, but are not limited to, the following: Clinical Innovations: Novel diagnostic and prognostic applications, advanced image acquisition and reconstruction techniques, artificial intelligence and machine learning in clinical workflows, quantitative CT analysis, and clinical outcomes studies. Experimental and Pre-clinical Research: Investigations into new contrast agents or acquisition protocols, radiation dose reduction strategies, novel hardware developments, functional imaging techniques, and studies utilizing *ex vivo* systems to explore the underlying mechanisms of cardiovascular disease or validate new CT methodologies.

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### Guest Editor

Dr. David C. Rotzinger

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### Deadline for manuscript submissions

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# Journal of Clinical Medicine

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