



Usefulness and Clinical Applications of 3D Printing in Cardiovascular Diseases

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

This Special Issue aims to focus on the recent advance of 3D printing and its value or applications in cardiovascular diseases. 3D printing has evolved rapidly over the last decade, showing great potential in many medical domains, in particular, in the field of cardiovascular disease. Patient-specific or personalized 3D printed models are shown to enhance our understanding of complex cardiac anatomy and pathology, assist pre-surgical planning and the simulation of complicated procedures for the treatment of cardiovascular diseases, improve the education of medical students or healthcare professionals, and improve communication between physicians and patients. This Issue will highlight the current advances in 3D printing, with a special emphasis given to patient-specific 3D printed models in the diagnosis and management of different cardiovascular diseases. Technological developments, including 3D printing materials and bioprinting or tissue engineering, are also included in the potential topics of this Special Issue.

I look forward to receiving your contributions.

Prof. Zhonghua Sun

Guest Editor





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