

Special Issue

Perspectives on Diagnosis and Management in Cardiac Surgery

Message from the Guest Editors

New diagnostic approaches for heart and thoracic aorta diseases have arisen in the last 10–15 years. The techniques of 3D transesophageal echocardiography and 3D computed tomography angiography provide a different view for the diagnosis and management of heart and thoracic aorta diseases. Cardiac magnetic resonance has been established as an accurate diagnostic method for the assessment of cardiac anatomy and function. On the other hand, coronary computed tomography is the method of choice for revealing asymptomatic patients with severe coronary artery disease and seems that it will be one of the routine examinations for the diagnosis of patients with suspected coronary artery disease in the future. Artificial intelligence has emerged as a new method for the diagnosis and treatment for patients with heart disease. In addition, 3D printing and reconstruction of the heart and great vessels offer a valuable tool for the accurate diagnosis of acquired and congenital heart diseases. With great pleasure, we are looking forward to submitting your work and research (research articles and reviews) in this Special Issue .

Guest Editors

Dr. Georgios Samanidis

Department of Adult Cardiac Surgery, Onassis Cardiac Surgery Center,
356 Leoforos Syggrou, 17674 Athens, Greece

Dr. Meletios Kanakis

Department of Pediatric and Congenital Heart Surgery, Onassis
Cardiac Surgery Center, 356 Leoforos Syggrou, Athens 17674, Greece

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
diagnostics@mdpi.com

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Editor-in-Chief

Prof. Dr. Andreas Kjaer
Department of Clinical Physiology, Nuclear Medicine & PET National
University Hospital, Rigshospitalet, University of Copenhagen,
Blegdamsvej 9, DK-2100 Copenhagen, Denmark

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