

Special Issue

Cardiothoracic Imaging: Diagnostics and Modern Techniques

Message from the Guest Editors

The therapeutic decision in patients with cardiovascular and pulmonary problems is often made in multidisciplinary teams, in which radiological evaluation plays an integral part. This Special Issue will focus on the role of a radiologist in diagnostic and therapeutic teams, and the importance of imaging studies in a comprehensive approach to treatment and follow-up. Current guidelines for the use of imaging studies in specific clinical situations and disease entities will be discussed, and the benefits of using new study protocols and sequences will be demonstrated, with examples provided. We will discuss both ischemic and non-ischemic heart disease and advances in cardiac imaging. Regarding chest imaging, we will focus on lung-cancer screening (LCS) using low-dose CT and the directions of its development, such as the implementation of artificial intelligence (AI), including the use of machine learning (ML). The main topics of the Special Issue include:

- How to accurately visualize cardiac lesions.
- How to improve the LCS program.
- How to cooperate in joint multidisciplinary teams.

Guest Editors

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