

Special Issue

Quantitative Imaging in Computed Tomography

Message from the Guest Editors

The use of CT systems has increased significantly over the last few years, as this imaging modality has improved the diagnosis of certain diseases and the therapeutic management of patients. CT systems are constantly evolving, and many technological innovations have recently been developed, such as new image reconstruction algorithms, dual-energy imaging, photon counting CTs, artificial intelligence solutions, radiomics or positioning cameras. All these innovations have a direct or indirect impact on the radiation dose, the image quality, the quantity of contrast medium injected and the lesion's detection/characterization, which leads to changes in the overall quality of patient care. The objective of this Special Issue is to demonstrate how these new technological innovations impact the diagnostic and/or therapeutic quality of CT examinations.

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