Special Issue

Novel Technologies in Diagnostic and Interventional Radiology

Message from the Guest Editors

As an integral part of the diagnosis and treatment of diseases, interventional radiology utilizes different image-guided techniques to perform well-directed and highly precise therapeutic as well as diagnostic procedures, including magnetic resonance imaging (MRI), computed tomography (CT), radiography (X-rays) and ultrasound (US). By utilizing such diagnostic imaging tools, interventional radiology offers targeted procedures for patients, as well as minimally invasive therapeutic and alternative therapies from the early stages of disease.

Radiology has been a leader of digital and intelligent transformation in medicine. Among the various AI techniques, the deep learning convolutional neural network (CNN) and its variants have been widely used in medical image recognition. Artificial intelligence is facilitating the next step in the transformation of radiology with new powerful tools, and possibly evolving a one-stop integrated diagnostic procedures.

This Special Issue aims to summarize recent advances in this special domain of medicine, especially innovative techniques for diagnostic imaging and image-guided intervention.

Guest Editors

Dr. Carlo A. Mallio

Dr. Rosario Francesco Grasso

Prof. Dr. Bruno Beomonte Zobel

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

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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