



Artificial Intelligence in Medical Imaging: The Beginning of a New Era

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Message from the Guest Editor

The evolution of imaging techniques in radiology has led to obtaining images rich in information and therefore to the affirmation of quantitative imaging analysis. Such quantitative analysis uses digital images to extrapolate useful data. The idea of using machines to help physicians to make diagnoses is called computer-aided diagnosis or computer-aided detection. The evolution of this system over the years has led to an ever-greater diffusion of quantitative imaging analysis, enabling the extrapolation of imaging biomarkers from the images and their association with disease conditions.

The current Special Issue focuses on the application of AI in medical imaging both generally and for investigating the conditions of specific pathological patients. Exploiting its subsystems such as machine learning and deep learning, with or without recurring to radiomics, a great amount of information can be obtained and used by physicians as a helpful tool. Since this field is in constant evolution, we aim to describe some of the current applications of AI in diagnostics.





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Message from the Editor-in-Chief

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