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Editorial

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Medical Imaging and Healthcare System

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The healthcare sector is entirely distinct from other industries. Being highly preferred sector, individuals expect the best level of services and care despite of cost. Healthcare data is no longer as sparse as it was. The data is relatively enormous as a result of the tremendous progress in image acquisition devices, which makes it challenging and intriguing for image analysis. Medical experts must exert significant and time-consuming effort to keep up with the rapid expansion of these medical images and modalities.[1]

Medical imaging is one of the treasured sources that known in providing the diagnostic information but is reliant on human analysis and subject to expanding resource challenges. It is rapidly evolving field the requirement, and the availability of, diagnostic images is swiftly exceeding the amplitude of available specialists, especially in developing countries.[2]

In present era radiography, ultrasonic imaging, computed tomography, magnetic resonance imaging, and nuclear medicine imaging are the most significant imaging modalities. Regarding image quality, patient safety, tissue differentiation, and usefulness, medical Imaging have made a remarkable and unending growth in recent decades. Medical imaging modalities are being used in early diagnosis of disease, evidence-based medicine, individual therapy planning, individuals screening, therapy evaluation and prediction, and innovative pre-clinical and clinical research.[3]

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