Special Issue

Application of MRI in Brain Diseases

Message from the Guest Editors

Magnetic resonance imaging (MRI) is a medical imaging technique used in radiology to generate pictures of the anatomy and the physiological processes inside the body. MRI scanners use strong magnetic fields, magnetic field gradients, and radio waves to form images of the organs in the body. The technology continually evolves as groundbreaking innovations and applications emerge. For example, some researchers use non-contrast MRI surveillance of craniopharyngiomas; some researchers found that by employing the spherical mean MRI technique, they can detect the IDH status in brain gliomas; and some researchers utilize generative artificial intelligence to transform grayscale MRI images into colour. This helps us to better understand multiple sclerosis, among other diseases. This Special Issue, "Application of MRI in Brain Diseases", explores the forefront of this discipline. In an era marked by technological advancements, this collection of articles spotlights the transformative impact of MRI on diagnostics, treatment, and research in brain diseases.

Guest Editors

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

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