

Special Issue

Artificial Intelligence in Alzheimer's Disease Diagnosis –2nd Edition

Message from the Guest Editor

Alzheimer's disease is a neurodegenerative disorder that affects memory and other cognitive functions. It is also the fifth-leading cause of death in adults aged 65 and above. Therefore, the early detection and diagnosis of Alzheimer's disease are crucial in developing effective treatments and improving quality of life for patients. The scope of artificial intelligence (AI) in diagnosing Alzheimer's disease is vast and impressive, thanks to advancements in a range of areas, including learning, reasoning, and explainability. AI has demonstrated the ability to predict the likelihood of developing Alzheimer's disease. AI systems show promise in detecting the early signs of this disease by analyzing patterns and anomalies in large data sets. Furthermore, AI can be used to track the progression of the disease using the patient's cognitive function over time. Our aim for this Special Issue is to share novel research on AI systems that have been developed, implemented, and evaluated to support the prediction, early detection, and progression of Alzheimer's disease over time, in accordance with the policy of the journal *Diagnostics*.

Guest Editor

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