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Navigating brain disorders: Therapeutic strategies and overcoming challenges

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Brain disorders encompass a broad spectrum of neurological and psychiatric conditions that profoundly impact individuals and society. This abstract provides insights into the landscape of brain disorders, their challenges, and therapeutic strategies aimed at overcoming them. Brain disorders, ranging from neurodegenerative diseases like Alzheimer's and Parkinson's to mood disorders such as depression and anxiety, pose intricate challenges. These conditions result from a complex interplay of genetic, neurobiological, and environmental factors. Understanding their underlying mechanisms remains a daunting task. This abstract delves into various therapeutic approaches deployed to manage and mitigate the effects of brain disorders. Conventional pharmacological interventions, psychotherapies, and emerging modalities like neuromodulator are explored within the context of their potential to improve patient outcomes. Additionally, the promising field of precision medicine is discussed, emphasizing the need for tailored therapies. Interdisciplinary collaboration stands as a cornerstone in tackling brain disorders. The integration of clinical expertise with neuroscience, genetics, and computational biology accelerates progress. Advanced technologies, including artificial intelligence and genomics, hold the promise of revolutionizing diagnostics, treatment modalities, and personalized care. In conclusion, brain disorders represent a formidable global health challenge. This abstract underscores ongoing efforts to understand, diagnose, and treat these conditions. By advancing knowledge, embracing innovative therapies, and fostering cross-disciplinary collaboration, there is hope for overcoming the challenges posed by brain disorders and improving the lives of affected individuals.

Biography

Faheem Ahmad Reegu earned both his bachelor's and master's degrees in computer science from Kashmir University in 2010 and 2013, respectively. Presently, he serves as a lecturer in the Department of Computer Science at Jazan University in Jazan, KSA. Additionally, he is pursuing his Ph.D. in the Advanced Informatics Department within the Razzak Faculty of Technology and Informatics at Universiti Technologi Malaysia (UTM) Kuala Lumpur. His current research focuses on the intersection of Electronic Health Records (EHR) and Blockchain technology.

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