Improving the Quality of Life for Dementia Patients through Progressive Detection, Treatment, and Care

Part of the Advances in Psychology, Mental Health, and Behavioral Studies Book Series

Jinglong Wu (Okayama University, Japan)

Description:

The prominence of dementia within the global aging population has undergone an increase in recent years. To improve the living conditions of patients, researchers must place more emphasis on early detection methods.

Improving the Quality of Life for Dementia Patients through Progressive Detection, Treatment, and Care provides a thorough overview of emerging research on various neuroscience methods for the early diagnosis of dementia and focuses on the improvement of healthcare delivery to patients. Highlights relevant issues on health information systems, behavioral indicators, and treatment methods.

Readers:

This book is a pivotal reference source for health professionals, neuroscientists, upper-level students, practitioners, and researchers interested in the latest developments within the field of dementia treatment.

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Topics Covered:

- Alzheimer's Disease
- Cognitive Training
- Emotional Stability
- Human-Computer Interaction
- Nutritional Status
- Stimulation Devices
- Unobtrusive vs. Obtrusive Detection

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Jinglong Wu was born in Jiutai, China, on August 4, 1958. He received the B.S. degree from Jilin Vocational Teachers College, China, the M.S. degree from Kyoto University, Japan, both in electric engineering, in 1984 and 1991, respectively, and the doctorate in electric engineering from Kyoto University, Japan, in 1994. He was an Assistant Professor at Ritsumeikan University, Japan, from April 1994 to March 1997, a Lecturer in Department of Mechanical Engineering, Faculty of Engineering, Yamauchi University from April 1997 to March 1999. Since April 1999, he is Professor in the Department of Intelligent Mechanical Systems, Faculty of Engineering, Kagawa University. His current research interests are virtual reality, ergonomics, cognitive neuroscience and human science. Dr. Wu received the Best Paper Award of IEEE Joint International Conference on Neural Network in 1993 and the SICE Best Paper Award in 2000. In 2003 he received the Gennai Grand Prize, Ozaki Foundation, Japan.