Prefectural University of Hiroshima

Study of the mutual link with the brain function and the lifestyle-related disease

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Specialized field: Neurology/Gerontology/Neurophysiology /Neuroscience
Key word: Brain, Dementia, Arteriosclerosis, Osteoporosis, Autonomic nervous system, Lifestyle-related disease, Plasticity, Rehabilitation, Lemon, High-resolution sound

We study 10 research subjects.

① Epidemiological and longitudinal study on prevention of lifestyle-related diseases such as arteriosclerosis, osteoporosis and dementia in middle-aged and elderly women

② Longitudinal study about a convalescent mechanism of brain dysfunction and neuroplasticity

③ Studies on the relationship between autonomic nervous system function and vital signal rhythm

④ Study on disturbance of organized mechanism of higher brain function in neurological disorders and aging

⑤ Study on preventional and interventional approaches in neurological disorders, lifestyle-related diseases and aging

⑥ Therapeutic intervention of medication and rehabilitation in cerebrovascular and neurodegenerative diseases

⑦ Pathophysiological study on motor, non-motor and cognitive function in neurological and geriatric disorders

⑧ Medical-engineering cooperation study on effects of high-resolution sounds on regulation of brain activity and autonomic nervous system function

⑨ Study on physiological effects of lemon

⑩ Study on interventional effects of animal-assisted therapy