



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

**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**

● 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**