

## **Cognitive Impairment**

Hafandi Ahmad, Tengku Rinalfi Putra, Mohd Hezmee Md Noor, Hasliza Abu Hassim, Ahmad Afifi Abdul Ghani, Mohd Azri Azmi, Mohd Syafeeq Shahudin, Mohd Muzammil Abd Halim Shah, Amirul Faiz Azmi, Mohd Adha P Rameli and Mohd Qayyum Ab Latip

Cognitive ability is directly related to physiological condition of the brain. Apart from ageing, cognition can be affected with use of chemical and organic compounds. This art form is a physical portrayal of multiple treatments on cognitive function in rats. The footprints and paths of the rats are depicted in colours that represent different cognitive conditions. The pathway of physiologically normal rats treated with Omega-3 Fatty Acid in the form of fish oil was represented in white footprints. A set of untreated rats was used as control group represented in yellow footprints and another set of rats with Alzheimer's were represented in pink footprints. The last set, represented in green footprints were rats with Parkinson. The footprints of the Omega-3 treated rats showed a straight pathway as compared to the controlled rats while footprints of Alzheimer and Parkinson rats showed undirected pathways, indicating cognitive impairment. The artefact shows the importance of dietary supplementation in maintaining healthy cognition and in preventing memory loss.



nd Mohd Rizal Hussain.

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## Walking Patterns

Asmidawati Ashari, Tengku Aizan Hamid and Mohd Rizal Hussain.



Balance impairment has been identified as the strongest risk factor for falls among community-dwelling older people. The vestibular system provides information with respect to gravity and cause feelings of unsteadiness. All are commonly associated with aging.

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