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Structural and functional MRI correlates of post stroke depression

Many stroke survivors suffer from depression. Poststroke Depression (PSD) adversely affects on the recovery and rehabilitation of stroke survivors. The frequency of PSD remained high in both acute and chronic stroke patients. Possible structural correlates of PSD include cerebral microbleeds, lacunar infarcts, and white matter changes. Functional changes in several brain networks, such as the

default mode network and the affective network have been reported in PSD. Latest findings on the link between structural and functional brain changes and PSD will be discussed. This project is supported by the following grants: Health and Medical Research Fund, reference number: 02130726; Health and Medical Research Fund, reference number: 01120376; National Natural Science Foundation of China, reference number: 81371460; General Research Fund, reference number: 474513; General Research Fund, reference number: 473712.

Biography

Wai Kwong Tang is the Professor at the Department of Psychiatry, The Chinese University of Hong Kong since 2011. His main research areas are Addictions and Neuropsychiatry in Stroke. Professor Tang has published over 100 papers in renowned journals, and has also contributed to the peer review of 40 journals. He has secured over 20 major competitive research grants, including National Natural Science Foundation of China, General Research Fund and General Research Fund. He has served the Editorial boards of five scientific journals. He was also a recipient of the Young Researcher Award from the Chinese University of Hong Kong in 2007.

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