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Structural and functional MRI correlates of post stroke depression

Depression is common following an acute stroke. Post Stroke Depression (PSD) have notable impacts on the function recovery and quality of life of stroke survivors. Incidence decreased across time after stroke, but prevalence of PSD tends to be stable. Many studies have explored the association between lesion location and the incidence of PSD. For example, lesions in frontal lobe, basal ganglia and deep white matter have been related with PSD. Furthermore, cerebral microbleeds and functional changes in brain networks have also been implicated in the development of PSD. In this presentation, evidences of such association between the above structural and functional brain changes and PSD will be reviewed.

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Biography

Wai Kwong Tang was appointed to professor in the Department of Psychiatry, the Chinese University of Hong Kong in 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 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. He has served the editorial boards of five scientific journals. He was also a recipient of the Young Researcher Award in 2007, awarded by the Chinese University of Hong Kong.

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