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Wai K Wong Tang

Chinese University of Hong Kong, China

Structural and functional MRI correlates of post-stroke depression

Depression is common following an acute stroke. Post-stroke depression (PSD) has 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.

Biography

Wai K Wong Tang is a Professor in the Department of Psychiatry at Chinese University of Hong Kong. His main research areas are Addictions and Neuropsychiatry in Stroke. He 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, Health and Medical Research Fund, National Natural Science Foundation of China, General Research Fund with reference number: 474513 and General Research Fund with 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.

tangwk@cuhk.edu.hk**Notes:**