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Prevalence study of post stroke behavioral disinhibition in Hong Kong

Wai Kwong Tang

The Chinese University of Hong Kong, Hong Kong
Shatin Hospital, China

Introduction & Aim: Previous studies reported stroke patients exhibited Post Stroke Behavioral Disinhibition (PSBD). The prevalence rates across studies were inconsistent and vary widely (ranged from 5 to 76%). Moreover, the clinical correlates of PSDB were unknown. Therefore, this study aimed to determine the prevalence of PSDB and its correlates with clinical variables, i.e. functional dependence, cognitive functioning, anxiety and depressive symptoms, after 3-month after stroke.

Methods: Stroke survivors who had ischemic stroke admitted to the Acute Stroke Unit of the Prince of Wales Hospital from September 2016 to April 2017 were recruited. PSBD was assessed by the disinhibition subscale of the Chinese version of the Neuropsychiatric Inventory (CNPI), which was responded by the caregivers. The stroke survivor's functional dependence, anxiety and depressive symptoms were assessed by Barthel Index, the anxiety subscale of the hospital anxiety depression scale and the beck depression inventory, respectively.

Results: 28 stroke survivors were recruited, 9 were excluded due to the absence of caregivers (n=8) and history of schizophrenia (n=1). Thus, 19 stroke survivors and their caregivers were assessed. The mean age of the stroke survivors was 67.11 (SD = 6.79) and 11 (57.9%) were male. The types of caregiver were spouse (63.2%), children (26.3%) and others (10.5%). None of the caregivers reported the presence of behavioral disinhibition of the corresponding stroke survivors.

Conclusion: PSBD is uncommon amongst ischemic stroke survivors in Hong Kong.

Biography

Wai Kwong Tang WK 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.

tangwk@cuhk.edu.hk

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