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Left hemispheric lesion was correlated with erectile dysfunction in stroke subjects

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To date, there has been limited evidence linking erectile dysfunction (ED) after stroke. The mechanism of ED after stroke has not yet been fully elucidated. In fact, there has been a limited insight regarding the underlying prognostic factor of ED after stroke incident. Several studies had attempted to link the site of stroke lesion along with its comorbid factors with ED. Accordingly this study was conducted in order to identify any positive relationship between left hemispheric lesion and ED among stroke subjects. This was a cross-sectional observational study design. All subjects who fulfilled the inclusion-exclusion criteria were assigned into two groups, i.e. those with left or right hemispheric lesion before interviewed for ED using IIEF-5. A total of 74 subjects were included in this study. In left hemispheric lesion, as many as 25 subjects (33.8%) suffered from ED, while the rest (10 subjects; 13.5%) did not. Among subjects with right hemispheric lesion, there were 13 (17.6%) who suffered from ED and 26 (35.1%) who did not. Therefore, this study showed that left hemispheric lesion was positively correlated with ED in stroke subjects (r=0.361; p=0.032). Our study has confirmed previous findings which link left hemispheric lesion post stroke with ED. Future studies should be further directed to utilize the site of brain lesion as a risk as well as prognostic factor for ED among stroke subjects.

Biography

Thomas Eko Purwata is a Senior Lecturer at one of the most renowned public-funded university hospital in Indonesia. He was a well-experienced Consultant Neurologist in the field of pain and peripheral nerve. In addition, he has conducted an extensive research in the corresponding area-of-expertise with numerous publications and proceedings. Currently he is also an active Member and Fellow of the American Association of Neurology.

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