

MICTURITION DISORDERS IN ELDERLY STROKE PATIENTS ADMITTED TO REHABILITATION FACILITIES IN HONG KONG

Hypothesis / aims of study

1. To investigate the prevalence of micturition disorders in elderly patients with recent stroke newly admitted to rehabilitative facilities.
2. To correlate the types and sites of cerebral lesions in stroke patients with occurrence of micturition problems.
3. To examine the relationship of types of micturition disorders with the rehabilitation outcome and discharge status of patients

Study design, materials and methods

The present study is a prospective observational study commenced in November 2008. Subjects were recruited from participating rehabilitation facilities in Hong Kong.

Elderly stroke patients aged 60 years and older admitted to the rehabilitative facilities were recruited into the study.

With an estimated proportion of about 20%, confidence level of 95% and absolute precision of 2%, a total of 1537 subjects would be recruited from 13 participating rehabilitation facilities in Hong Kong from November 2008 to May 2009.

The following information are collected from the study subjects: age and gender, urinary continence status before the present stroke episode, voiding pattern including self micturition, incontinence episodes, bladder sensation, post-void residual urine assessed by bladder scan were recorded by nurses, patients' significant co-morbidities - past history of stroke, hypertension, diabetes mellitus, dementia, parkinsonism, benign prostatic hypertrophy and urological or gynecological operations; Presence of concurrent urinary tract infection, current medication, Glasgow Coma Scale, cognitive function by Abbreviated Mental Test or Mini Mental State Examination, Communication problem such as dysarthria or aphasia, nature and site of intracranial lesion according to CAT scan or MRI, Modified Barthel Index (100) upon admission and discharge, Discharge date and destination including death or transfer to institutions

Concluding message

The present paper will report on the findings of the present study on the prevalence of micturition disorders amongst elderly Chinese stroke patients in Hong Kong. It will correlate the various forms of micturition disorders after stroke with the pathology and the functional outcome after stroke.

<i>Specify source of funding or grant</i>	No
<i>Is this a clinical trial?</i>	Yes
<i>Is this study registered in a public clinical trials registry?</i>	Yes
<i>Specify Name of Public Registry, Registration Number</i>	Hospital Authority Kowloon East Ethics Committee
<i>What were the subjects in the study?</i>	HUMAN
<i>Was this study approved by an ethics committee?</i>	Yes
<i>Specify Name of Ethics Committee</i>	Hospital Authority Kowloon East Ethics Committee
<i>Was the Declaration of Helsinki followed?</i>	Yes
<i>Was informed consent obtained from the patients?</i>	Yes