

THE UTILIZATION OF PSA IN LUTS PATIENTS WITHIN PRIMARY CARE SETTINGS

Hypothesis / aims of study

- 1) To review the distribution of PSA in LUTS patients
- 2) To examine the relationship PSA with Ca. Prostate

Study design, materials and methods

All patients attending 3 Primary Health Care Centers of Kowloon East Cluster of Hong Kong Hospital Authority were screened by the questionnaire to detect the bladder or bowel problem. Patients with positive symptom of bladder or bowel problem and willing to receive further assessment were given continence nurse clinic appointment. Blood for PSA testing and International Prostate Syndrome Score were done for patients with Lower Urinary Tract Symptom. Patients were also assessed with The Clinical Frailty Scale for the fitness and frailty. The present paper presents the findings of PSA result amongst 412 LUTS patients who had taken PSA under continence care service at 3 primary care centers of KEC from 3/2010-7/2011.

Results

85.9% LUTS patients have PSA \leq 4 ;15.1% have PSA>4. The clinical frailty scale amongst these patients were 93% clients categorized as 3 , 7% clients were categorized into 4. For those patients over 76 old and PSA>4, 50% of them refused further surgical intervention. For those over age 80, 25% of them with PSA>4 had detected Ca Prostate.

Interpretation of results

The present study showed that the utilization of PSA in patients with LUTS has a place in early detection high risk case for early intervention.

Concluding message

The Utilization of PSA in elderly patients with LUTS is useful in early detection of Ca Prostate. As quite significant number of patients over age of 75 refused further intervention it is important to discuss about their wish for intervention before proceeding to PSA screening. In addition the quality of life consideration is also important and we recommend that the degree of frailty assessment will also constitute the consideration for using PSA screening.

Disclosures

Funding: Hospital General Funding **Clinical Trial:** No **Subjects:** HUMAN **Ethics not Req'd:** This is a review of the results of the routine investigations in patients with LUTS presenting to Primary Care Continence Care Clinic **Helsinki:** Yes **Informed Consent:** Yes