

## **A Local Survey on Skeletal Related Complications in Patients with Carcinoma of Prostate Having Hormonal Therapy**

KW Wong, CW Wong, SC Chiang, CF Tsang, SK Li, Y Chiu, MH Wong, KF Fu, KL Ho

*Division of Urology, Department of Surgery  
Queen Mary Hospital, Hong Kong*

### **Objective:**

To study the skeletal related complications in patients with carcinoma of prostate having hormonal therapy

### **Patients & Methods:**

Patients diagnosed to have carcinoma of prostate and had either bilateral orchidectomy or commencements of LHRH analogue injection from 1st January, 2007 to 31st December, 2009 in Queen Mary Hospital were studied. Basic characteristics, presence of skeletal related complications and related information were collected. Data were processed with SPSS.

### **Results:**

A total of 106 patients were studied. 46 patients had bilateral orchidectomy done and 60 patients had LHRH analogue injection started. The skeletal related complication rate was low. Patients with metastatic carcinoma of prostate had higher chance of skeletal related complication rate compared with those with non-metastatic disease.

### **Conclusions:**

Skeletal related complications cause significant impact to patients with carcinoma of prostate. Metastatic carcinoma of prostate increases the risk of pathological fracture. Hormonal therapy for patients with carcinoma of prostate decreases the chance of pathological fracture but leads to osteoporosis. Patients with metastatic carcinoma of prostate had higher chance of skeletal related complication rate compared with those with non-metastatic disease.