# Type One Resection Of Pelvic Ewing Sarcoma: A Case Report

Ong BK; NF Yasin; VA Singh
Department of Orthopaedic Surgery, Faculty of Medicine, University of Malaya, Kuala Lumpur

## INTRODUCTION:

Ewing's sarcoma is the most common malignant bone tumor of the pelvis in children and adolescents. Patients with pelvic ES have a poorer prognosis compared with those that have lesions in their extremities.

## REPORT:

A 14-year-old boy complained of left knee discomfort for 1 year. He developed left loin pain later following an alleged trauma while playing, radiating to lower limb and to suprapubic region. He also complained of loss of weight and appetite. Physical examination showed a mass measuring 10 x 10cm at left iliac fossa. CT TAP showed mixed lytic sclerotic lesion involving the left ilium and left sacral ala with a heterogeneous soft tissue component involving the left iliacus muscle measuring 8.8 x 13.6 x 12.9cm (Fig.1). MRI showed heterogenously enhancing soft tissue lesion at the left iliacus muscle and multiple heterogenously enhancing bone lesions at the left ilium and left sacral ala. Trucut biopsy and core needle biopsy of left ilium confirmed Ewing sarcoma of left ilium. No distant bone metastases was seen on bone scan. After completing 6 cycles of chemotherapy, type 1 pelvic resection and fixation with rods and pedicle screws was done. (Fig.2)

## CONCLUSION:

The excision and reconstruction of pelvic Ewing sarcoma is demanding due to the navigational difficulty in the pelvis, numerous muscle attachments, and the proximity of the major blood vessels, nerves, and visceral organs. Type 1 resection preserves acetabulum hence allows better function.

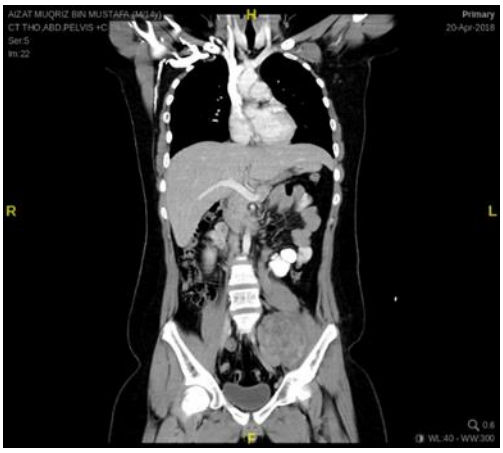


Fig.1

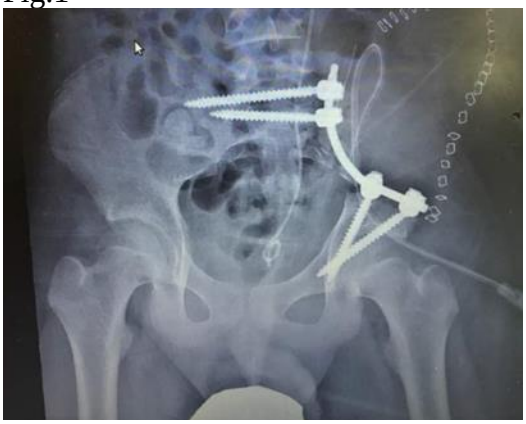

Fig.2

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