

# **Polidocanol Sclerotherapy of Massive Aneurysmal Bone Cyst (ABC) of Left Hemipelvis**

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## **INTRODUCTION:**

Primary ABC of hemipelvis is rare but locally aggressive, with incidence rate only 8-12% [1,2]. The standard treatment is extended curettage. Sclerotherapy induced damage to the endothelium vessels, trigger coagulation and results in thrombosis. Polidocanol sclerotherapy showed 93.3% healing rate [3]. We report a case of successful polidocanol sclerotherapy of the largest primary ABC of left hemipelvis in adolescents in the Northern Malaysia.

## **METHODS:**

15 years old girl presented with progressive left hip pain and swelling with limping after a trivial injury. Initial radiograph showed osteolytic lesion involving ischium, pubic rami and acetabular. Open biopsy was done and histopathology confirmed the diagnosis of ABC. Lesion was progressive involving whole left hemipelvis with destruction of left hip joint (PICTURE 1).



PICTURE 1

Percutaneous polidocanol injection was performed monthly for 6 months under fluoroscopy in the operating theater. Approximately 1litre old blood was aspirated prior to procedure. Radiopaque dye was injected followed by polidocanol 130mg (2mg per kg).

## **RESULTS:**

Clinical improvement was tremendously significant, from wheelchair bound to

unaided full weight bearing. Lesion responds with significant calcification and sclerotic rim formation (PICTURE 2).



PICTURE 2

## **CONCLUSION:**

The best treatment for pelvis ABC is still debatable and differ from case-to-case. Polidocanol sclerotherapy offer a safe and non- invasive treatment with an acceptable cure rate. However longer follow up is needed to evaluate long term outcome.

## **REFERENCES:**

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