

## **Case Report: Cemented Total Hip Replacement for the Treatment of Canine Hip Dysplasia in a Mongrel Dog**

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### **ABSTRACT**

A 5-year-old intact mongrel dog was admitted to the Chung-Hua Animal Hospital in Chiayi City with left hind limb lameness for several months. Standard ventrodorsal hip-extended radiography revealed luxation of the hip joints, flattening of the femur heads, osteophyte formations on the femur necks and heads, and filling / shallowing of the acetabulum on both sides of the hip joints. The lateral view showed both femur heads migrating above the dorsal acetabulum. Based on the patient's history, physical examinations and radiographic findings, canine hip dysplasia was diagnosed. A cemented total hip replacement was performed to treat the left side of the hip. The outcome of the total hip replacement was sound. There were no infection and aseptic loosening detected on the follow up radiographs 18 months after surgery. The life quality of the dog was markedly improved after cemented total hip replacement.

**Keywords:** Canine, Cement, Dysplasia, Hip, Replacement

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