

Congenital left femoral deficiency with right sided hip dysplasia and clubbed foot

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INTRODUCTION:

Congenital defects of the femur are rare congenital anomalies. It can vary from simple hypoplasia of the bone to near complete or complete absence. This type of defect usually occurs at birth and can occur singly, bilateral or in association with other anomalies. The specific causes are unknown fetal limb defects are linked to maternal diabetes with three- to four- fold higher incidence than non-diabetic mothers.

REPORT:

A newborn female infant was referred to the orthopaedic team with an absent left femur. A detailed scan revealed that the patient did not have bilateral femurs. Mother had hyperthyroidism and GDM under diet control during pregnancy. Patient was born at 38 weeks via emergency cesarean section due to fetal compromise. There was no history of exposure to teratogens, and there was no abnormality in her sibling.

Physical examination reveals short bilateral thighs with the knee joint only present on the right side. Moreover, the left femur is non-existent. Further assessment showed positive Ortolani test over the right hip and congenital talipes equino-varus (CTEV) where the hind foot was varus and forefoot adducted. Upper limb and spine examination was otherwise normal.

CONCLUSION:

Congenital absence of the femur is rare. Paley classification has been used to classify congenital femur deficiency. In our case, the patient has absence of left femur with deficient right femur, developmental dysplasia of the right hip and right CTEV.

Figure 1. Clinical appearance



Figure 2. Plain radiograph showing absence of left femur.

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