DEVELOPMENTAL DYSPLASIA OF HIP IN CORNELIA DE LANGE SYNDROME: A CASE REPORT

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Introduction: Cornelia de Lange syndrome (CdLS) is a rare genetic disorder which characterized by a broad range spectrum disorder. Affected individual with CdLS would include mental debility, distinctive facial appearance, developmental delay, growth retardation, and low birth weight, skeletal formation anomaly which can occur prenatal and postnatal. A 15 year old girl, a known case of Cornelia De Lange syndrome presented with non traumatic left hip pain. Futher history showed that the patient had history of left hip swelling for the past 5 months, associated with crying spells upon ambulation. Patient was previously able to ambulate independently. However a few days prior to admission, due to the pain she was unable to bear weight and kept her hip flexed. Left lower limb examination shows swelling over the anterior thigh and the hip is in 30 degree flexion. Plain radiograph revealed coxa valga of bilateral neck of femur with acetabular dysplasia and bilateral hip subluxation. Patient underwent open reduction of the left hip and salter pelvic osteotomy. Intraoperative finding noted left anterior hip dislocation with deficient acetabular coverage anterolaterally . Post reduction and osteotomy shows hip stable

Discussion: One month post operative, patient shows improvement in term of pain and range of motion of the hip. She was able to ambulate as usual.

Conclusion: Skeletal developmental delay in individual with CdLS may be complicated with developmental dyspasia of hip. Surgical intervention appeared to be the best means of relieving pain and restoring functional capacity to the hip.