

Arthrogryposis multiplex congenitale (AMC) : An ill-fated child with bilateral congenital patella dislocation and genu valgum.

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INTRODUCTION:

Arthrogryposis multiplex congenital (AMC) is a rare congenital disorder involving 2 or more joint contractures in the body (1). Although often correctable, its rarity impedes the diagnosis, clinical progress and management. The cause of AMC is multifactorial and the joints involved are often variable. Associated with AMC, congenital bilateral patella dislocation is often undiagnosed; hence should be addressed.

REPORT:

We reported a case of a 14 year old teenager, who suffered from AMC, referred to our center for continuation of care. A diagnosis of AMC was made during infancy and multiple corrective surgeries were done throughout life. Multiple joints were involved including b/l hip dislocation requiring closed manipulation under anesthesia, claw toes and genu valgum due to iliotibial band tightening. Bilateral patella dislocation diagnosed at birth was treated conservatively with splints and physiotherapy but all attempts remain futile. Right varus femoral osteotomy and patellar realignment with quadriceplasty was decided.



Figure 1:

Bilateral long leg view of b/l knee showing bilateral genu valgum due to iliotibial band tightening with patellar dislocation .



Figure 2:

AP view of b/l knee showing patellar dislocation.

Conclusion

High suspicion of patellar dislocation must be addressed during the assessment of AMC.

REFERENCES:

- 1) Neil Gordon, Arthrogryposis multiplex congenita, Brain and Development, Volume 20, Issue 7, 1998, Pages 507-511, ISSN 0387-7604, [https://doi.org/10.1016/S0387-7604\(98\)00037-0](https://doi.org/10.1016/S0387-7604(98)00037-0).