

A COMPLETE CASE REPORT OF GOLLOP-WOLFGANG COMPLEX: SURGERY, BOULEVARD TO REJUVENATE FUNCTIONALITY - AN UPDATE AFTER 3 YEARS OF SURGERY

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Introduction: Gollop-Wolfgang Complex (GWC) is a condition of bifid femur with tibia agenesis with or without hand ectrodactyly. GWC is usually accompanied by other congenital anomalies of other parts of the body. There are variant of anomalies of lower limb in GWC which caused poor life functionality and definite solution is reconstruction surgery.

Discussion: CASE REPORT: In 2018, we reported a case of 10 years old boy who has been ambulating using wheelchair since childhood. He was diagnosed to have GWC. In July 2018 he underwent bilateral through knee amputation, excision of femoral branch, corrective osteotomy and plating of left femur. Postoperatively, he underwent rehabilitation program and functional outcome was monitored. DISCUSSIONS: Among patients who experienced reconstructive surgery, walking is possible with suitable prosthesis despite acceptance issues by the patient and family, where limb salvage surgeries are still there as an option. The upshot of 3 years post surgery was outstanding. He was able to walk using prosthesis as the patient quality of life and function were value-added.

Conclusion: The prognosis is good with reconstructive surgery as compared to poor functional outcome without one. Therefore surgery is crucial to regenerate functionality of GWC patient. Case follow up was done to support the conclusion made before and it is strongly support that surgery is the superlative option of treatment. As this outcome of case can be a guide for the dilemma in surgery in future