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A modified Sayre's technique, for correction of congenital Radial Club Hand Deformity

Congenital radial club hand is a spectrum of complex pre-axial upper limb defect, characterized by radial deviation and flexion of the hand, hypoplasia, or aplasia of the radius and thumb, shortened forearm and generalized underdevelopment of the involved extremity. Since first described by (Petit) in 1733, however a huge diversity of techniques ranging conservative stretching, to the complex microsurgical interventions, have been suggested, for treatment, the centralization remains the core idea, despite

the recognized relapse rates. Such diversity would reflect the great challenge of management. Here is a prospective assessment of our local exposure, and satisfying results of correction in 13 hands with congenital radial club hand deficiency, in 10 patients, using a newly modified technique (Sayre). Where we achieved a mean total hand-forearm angulation correction of 71.5 degrees, left with only 8.4 degrees mean residual angulation after an average 3.8 years follow up.

Biography

Abdulrahim Aljayar is a consultant Orthopedic surgeon in Aljala Hospital, Libya. He was a former consultant hand surgeon in Benghazi Hospital. He received many awards and rewards in several National and International Conferences.

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