

## **A BOY WITH A RIFLE -A CASE OF AN UNTREATED DISTAL HUMERAL PHYSEAL SEPARATION**

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**Introduction:** Separation of the distal humeral epiphysis is very rare among children with injuries near the elbow joint and need to be identified. Child can be presented with triplanar malalignment of the elbow, characterized by Varus angulation in the coronal plane, extension in the sagittal plane, and internal rotation in the transverse plane. Here we describe a 10 years old boy who underwent lateral close wedge supracondylar osteotomy for right elbow gunstock deformity as a complication of a traumatic distal humeral physeal separation injury.

**Discussion:** Managing such a case is medicolegally challenging as dealing with the future of growing child. Cubitus Varus deformity has no tendency for spontaneous correction therefore surgery is usually needed with few proposed osteotomy technique. Pre operative planning and discussion with family in regards with the outcome of deformity correction surgery or conservative management. This patient underwent Closed wedge osteotomy and stabilized with Reconstruction Locking Plate. Metaphyseal-diaphyseal angle of right elbow were successfully corrected to 7 degrees in approximation of left elbow. Patient were follow up to monitor

**Conclusion:** Distal Humeral Physeal Separation is rare and most of the case it was under diagnosed. Delay in management might compromise the outcome and lead to an undesirable deformity. Corrective osteotomy can be offered to treat the complication, which would improve the patient's cosmesis and functional outcome.