

DCP, THE LOYAL SAVIOR - A RARE CASE OF A DELBET IV FRACTURE

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Introduction: Pediatrics hip fractures (PFH) are rare entities, comprising less than 1% of all pediatric fractures. [1]. To our knowledge, there are no reported Delbet IV intertrochanteric femur fractures treated with a narrow Dynamic Compression Plate (DCP).

Discussion: A 4-year-old girl presented with a painful right thigh after a motor vehicle accident. The clinical and radiological assessment showed a close intertrochanteric right femur fracture (Delbet IV). She was on skin traction while waiting for her operation date. Due to her parent's financial limitations and the need for a stable fixation, a narrow DCP was chosen. In OT, a lateral approach to the hip was performed. Proximally the plate was bent to sit fittingly on the proximal femur. A 6.5mm cancellous screw was inserted through the plate hole to add stability. She was put on a spica cast postoperatively for 3 weeks. Crutch-assisted walking with limited weight-bearing was allowed 3 weeks postoperatively and full weight-bearing after 8 weeks. Follow up showed good functional outcome and implant removal done after 10months.

Conclusion: The promising outcome of this patient has made ORIF with a DCP a good choice for Delbet IV fractures