



**Limb Lengthening Case Study #3:** Patient is a 14 ½ year old male who presented at age 12 with complaints of a left sided limp. At age nine he suffered a Salter-Harris Type II fracture of his left femur and was treated with closed reduction and casting.

Diagnosis - Left distal femoral growth arrest with flexion deformity and a bony bar. Physical exam reveals a 20° flexion deformity and scanogram reveals a 3cm leg length discrepancy.

Surgical Plan - Complete epiphysiodesis of the left distal femoral growth plate with acute angular correction and femoral lengthening utilizing a Taylor Spatial Frame.

Figure 1: Pre-op picture demonstrating the leg length inequality.



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Figure 2: X-ray illustrating the growth disturbance, and flexion deformity of the distal femur.



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Figure 3: Post-op x-ray with the Taylor Spatial Frame during 3cm lengthening.



Figure 4: Lateral view of the patient with the Taylor Spatial Frame.



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Figure 5: Two months post frame removal.



Figures 6A, 6B, 6C: Return to full participation in athletics (nine months after frame removal).

