



Limb Lengthening Case Study #1: Six year old male with a primary diagnosis of Posterolateral bowing of the right tibia and leg length discrepancy. He presented with a 3.5cm leg length discrepancy (projected to be 5.6cm at skeletal maturity), 10° valgus deformity, and a 6° procurvatum deformity.

Surgical plan – Two-stage procedure including a 3.5 cm lengthening at age six utilizing a Taylor Spatial Frame and either a second lengthening procedure or an epiphysodesis at a latter date.

Figure 1A and 1B: Photograph and non-weightbearing scanogram x-ray demonstrating the leg length discrepancy and deformity at the time of initial presentation.



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Figure 2: Post-operative picture demonstrating the Taylor Spatial Frame that was utilized to obtain the correction.



Figure 3: Post lengthening standing x-ray demonstrating significant improvement and almost equal leg length.

