

Congenital Fibular Hemimelia

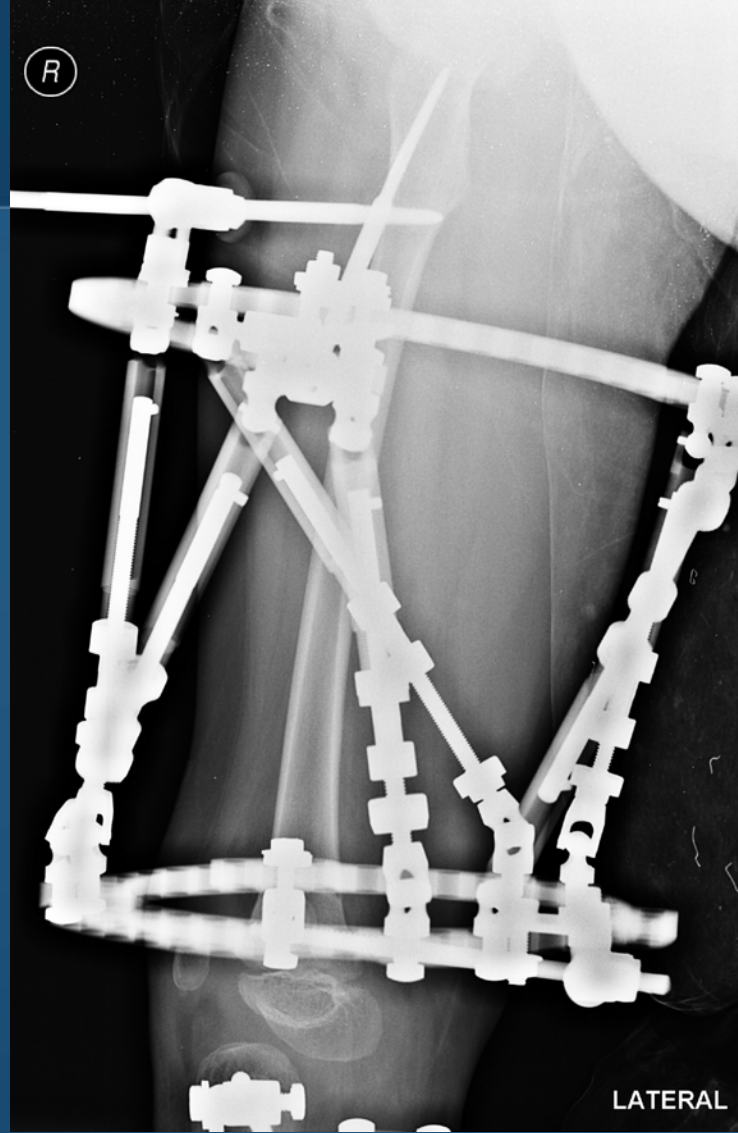
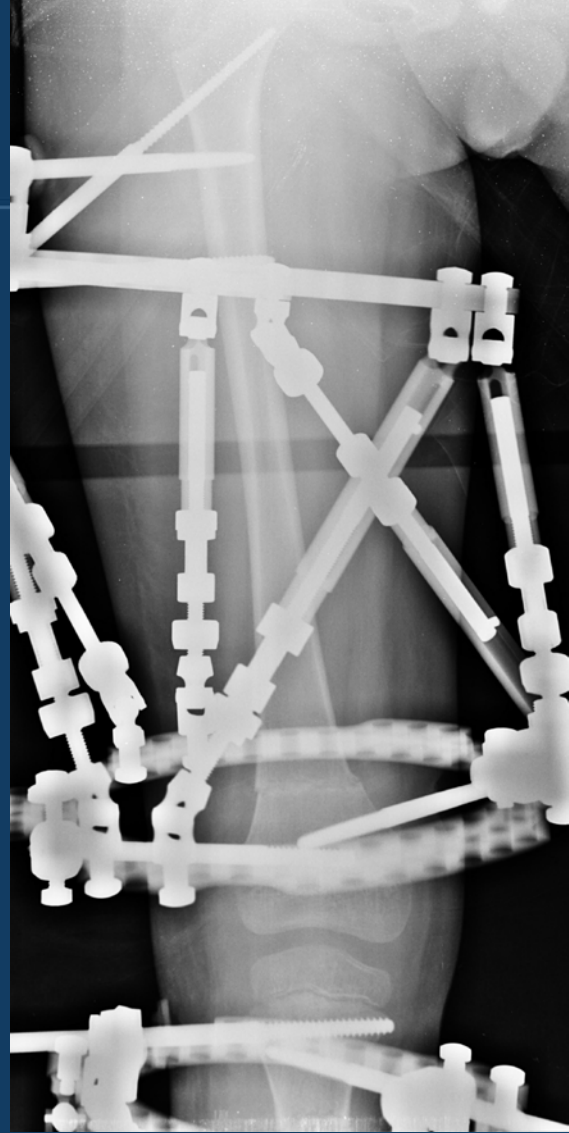
Femur & Tibia lengthening



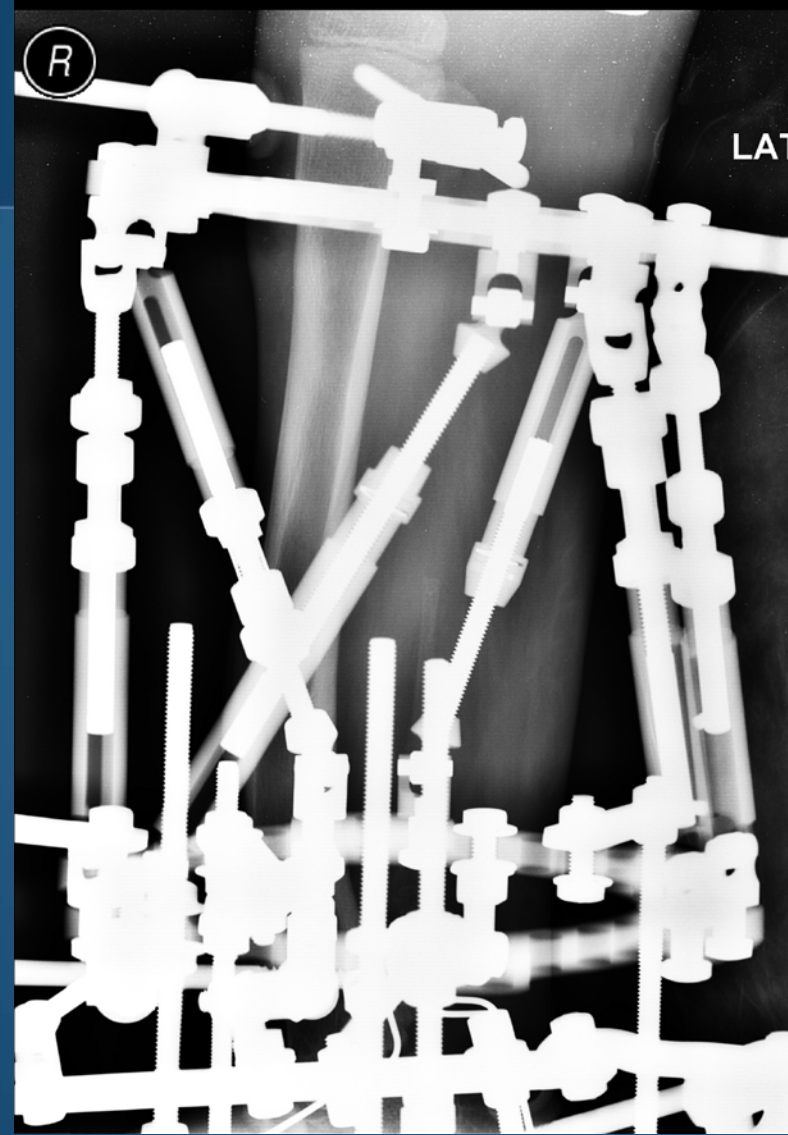
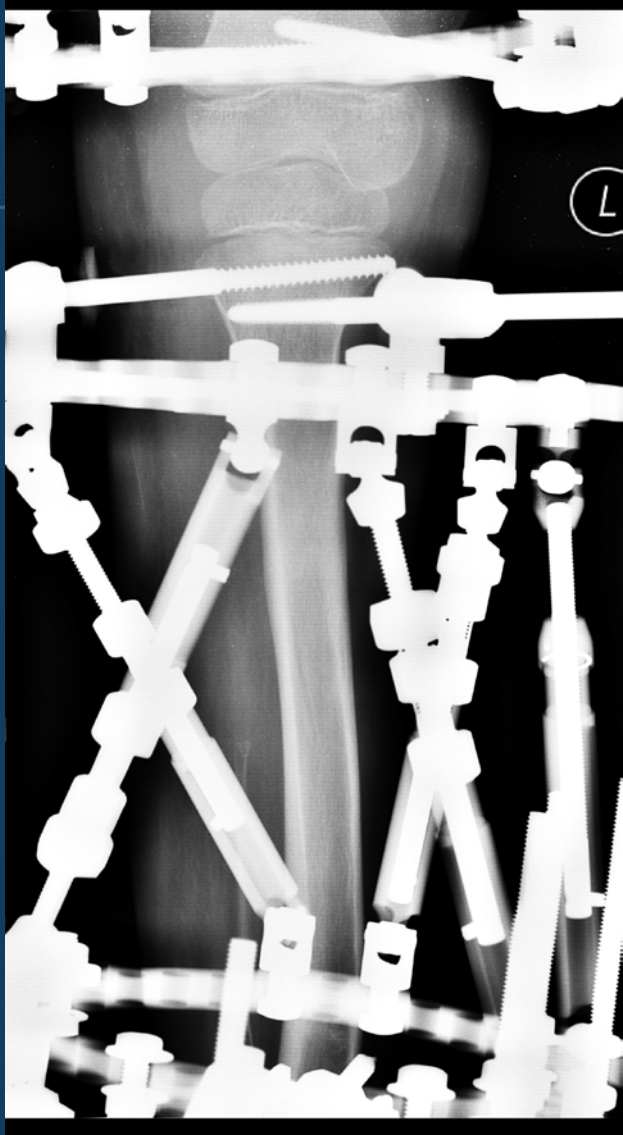
9 year old with severe Congenital Fibular hemimelia. Shortening is present in femur and tibia. He has had a lengthening at age 3 years.



At 9 years he has 6 cm shortening in the femur and tibia. He had a lengthening at age 3 years, which helped him. Now the shortening has increased again because his expected discrepancy is 16 cm

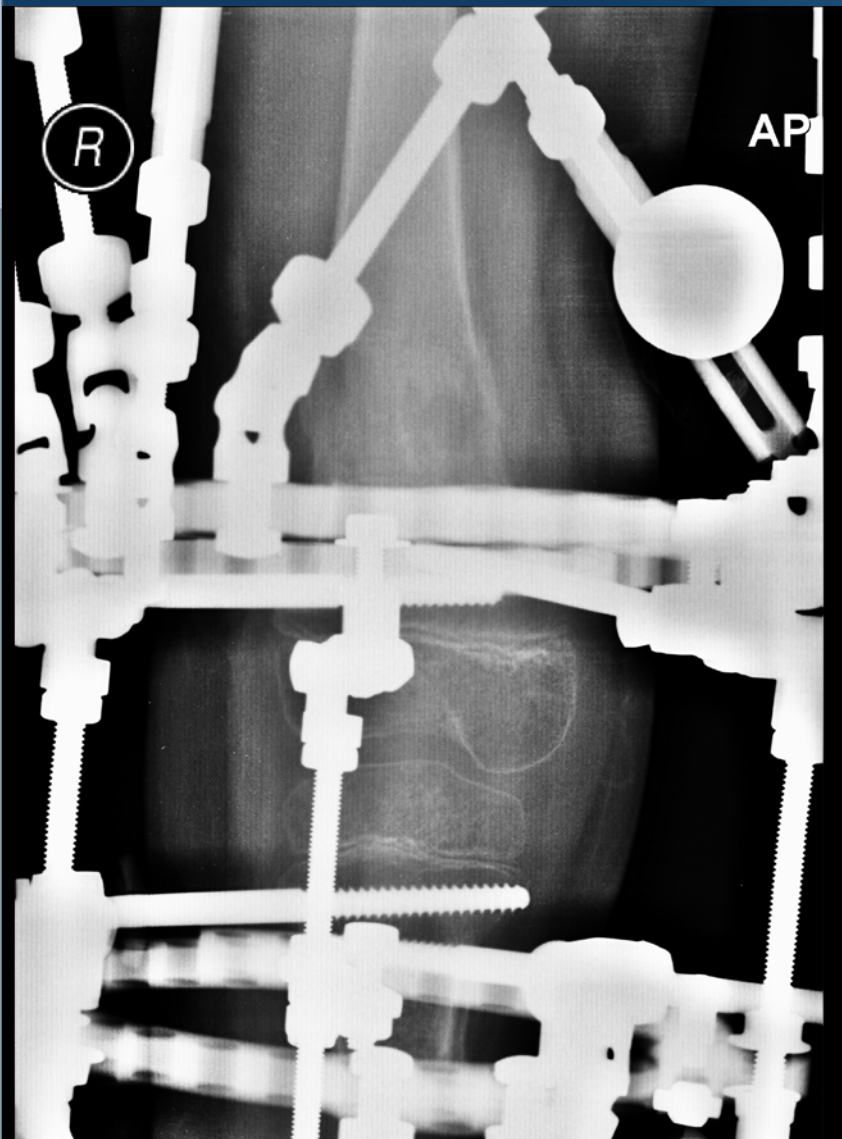


Femur lengthening is performed using the Taylor Spatial Frame fixator which we are using since 2002 and are one of the earliest users in Asia. The lengthening is performed in the lower metaphysis to get the best bone formation in the least amount of time.

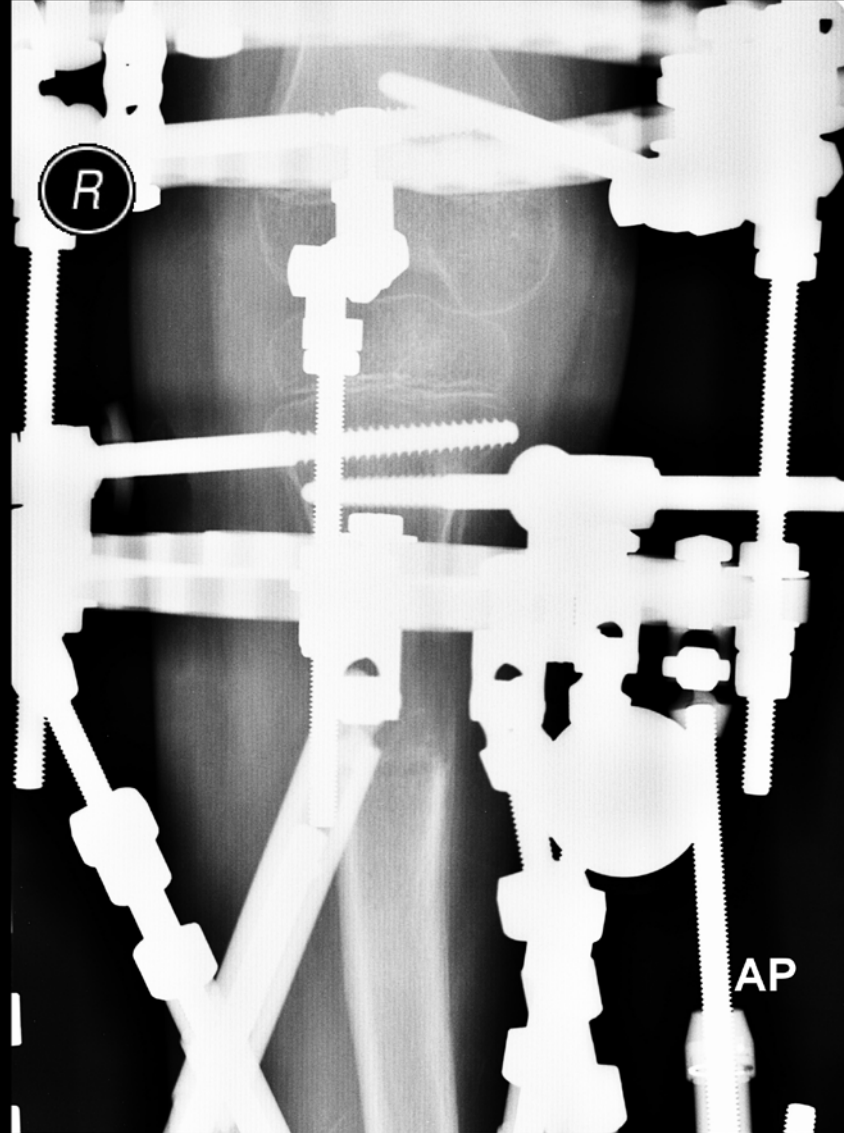


Tibia lengthening is also performed using the Taylor Spatial Frame fixator

Lengthening is performed in the Upper metaphysis to get the best bone formation. A foot frame is added to prevent a Foot deformity.



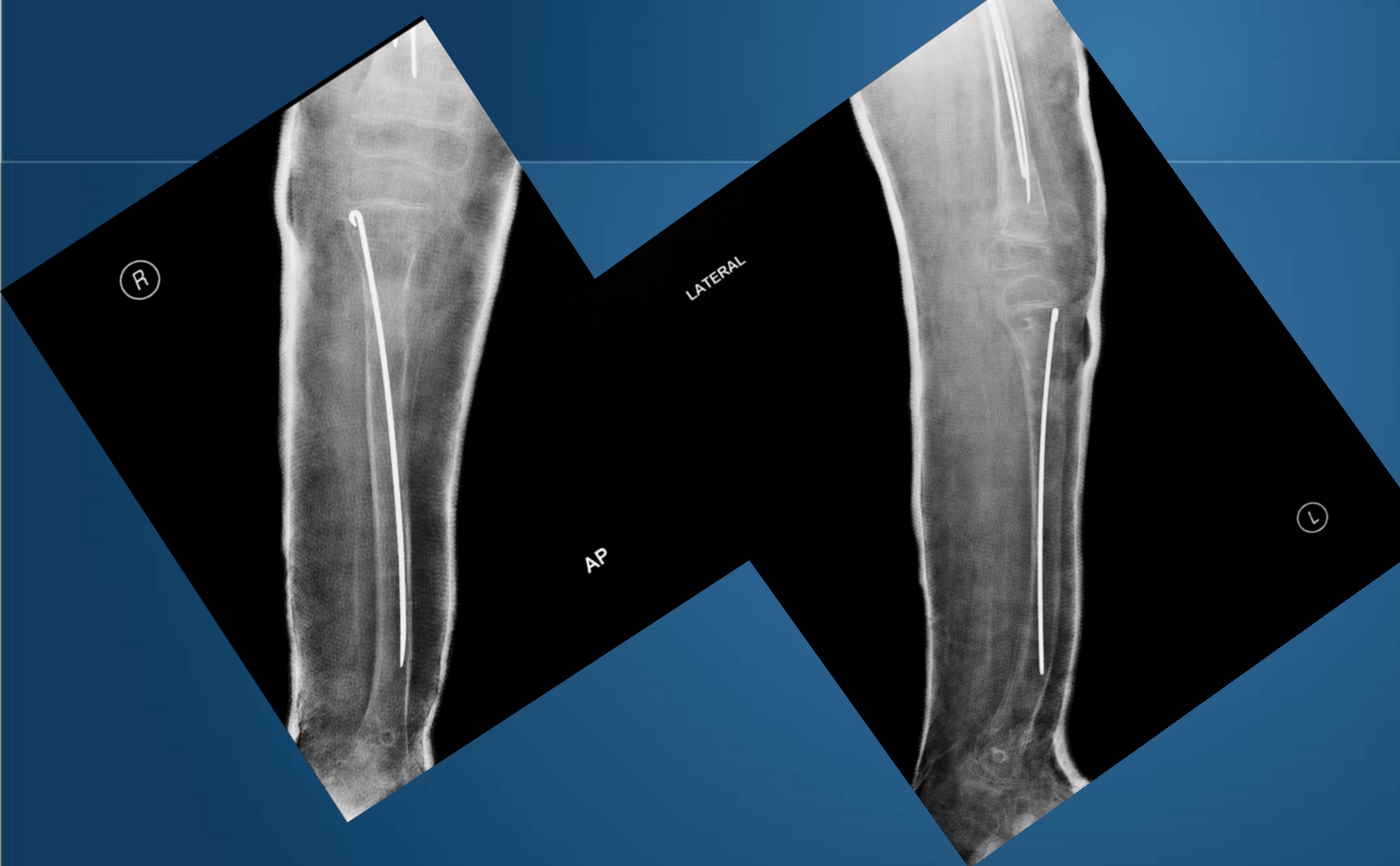
3 cm femur length is achieved without too many difficulties.



3 cm Tibial length is achieved with good regenerate bone formation.



At the end of lengthening we use flexible IM rods to ensure that there is no re-fracture which is rather very common in congenital anomalies



Flexible IM rod inserted in tibia at the time of external fixator removal. This ensures no loss of length or a deformity or a re-fracture.