

### REHAB CHALLENGE

A 10 years old boy from urban area and middle socioeconomic status, born from non-consanguineous marriage with history of birth asphyxia and developmental delay presented in our OPD with right upper limb and bilateral lower limb deformity with difficulty in walking and ADL for last 4 years. Patient was previously diagnosed as triplegic CP and got two times botulinum toxin injection along with regular unsupervised physiotherapy. Six months ago he started using KAFO for deformity of lower limb while walking. There was marked improvement after first botulinum toxin injection but after 2nd Injection, there wasn't any significant improvement. On examination there was bilateral convergent squint, right upper limb and bilateral lower limb flexed posture with independent standing and walking for few steps. There was marked spasticity in right biceps, brachioradialis, pronator and wrist dorsiflexor with flexed, pronated forearm with dorsiflexed wrist with inability to move his wrist and supinate his forearm and fully flexed elbow; externally rotated and flexed hip with flexed knee and equines deformity bilaterally with marked tightness in hip external rotator, ITB band, abductor, hamstring and TA bilaterally. X-ray of hip showing externally rotated femur. He was admitted and treated with supervised physiotherapy, botulinum toxin injection in biceps, pronator teres and quadrates and FDP and FDS. Now he is able to move his wrist and fingers and extend his elbow with mild difficulty but there isn't any marked improvement in lower limb deformity and gait due to severe spasticity of the hip external rotator.

Please opine regarding the management of this young boy.



Fig 1



Fig 2

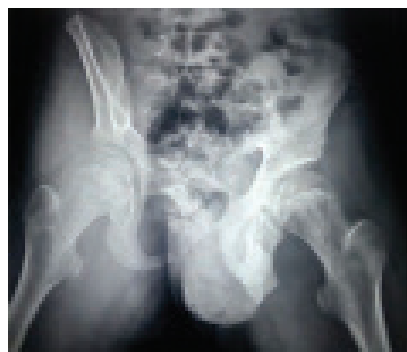


Fig 3