

LOWER LIMBS CASTING IN ADJUNCT TO BOTULINIUM TOXIN (BTX) INJECTION TO IMPROVE THE GAIT PATTERN FOR PATIENT WITH STROKE

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SPP- P5.3

Stroke



How common is spasticity after stroke?

17% European study

(Lundstrom et al, 2008)

38% UK study

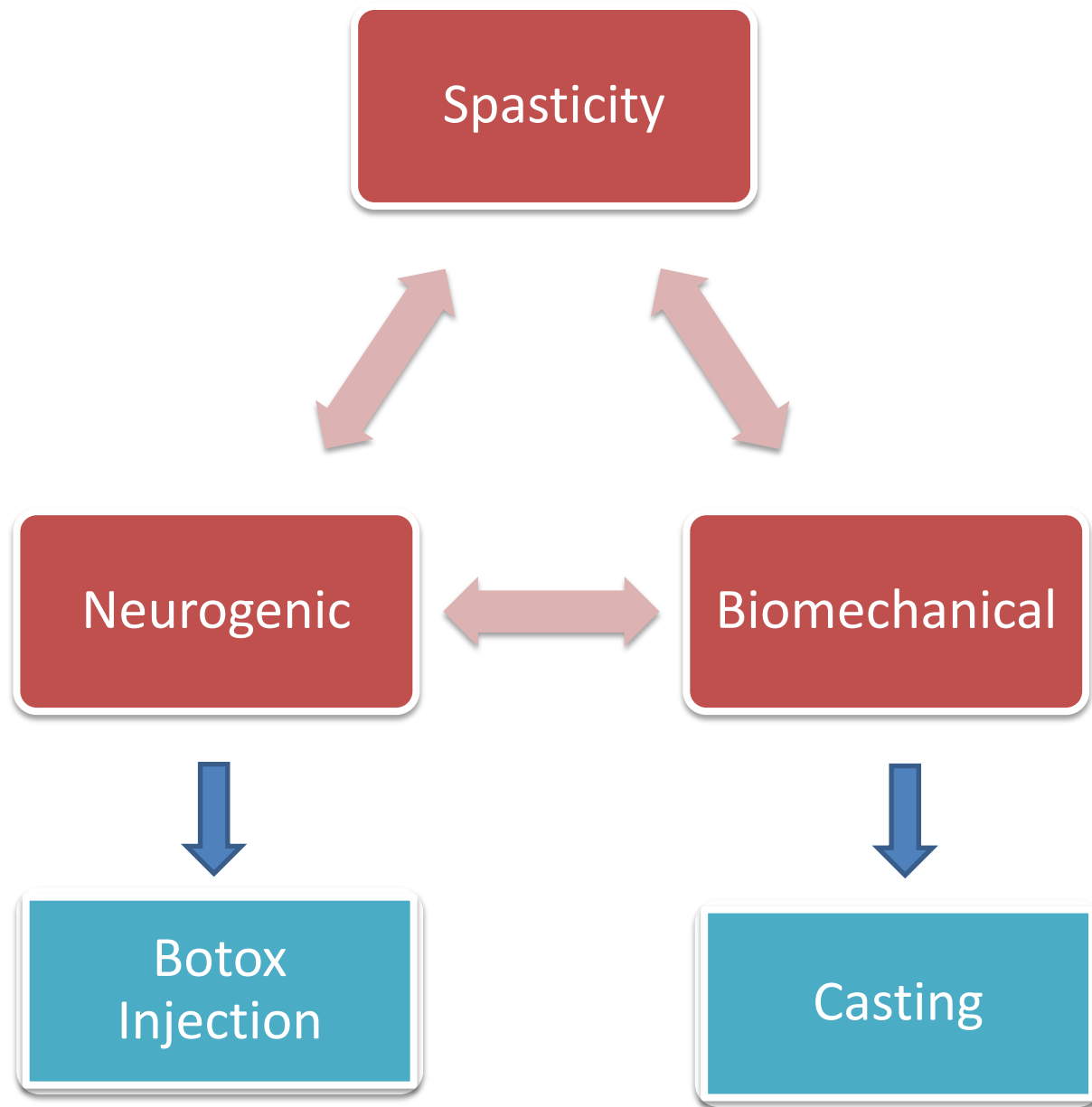
(Watkins et al 2002)

Spasticity mainly occurs in the first 3 months following stroke

(Lundstrom et al, 2008)

Unable to walk



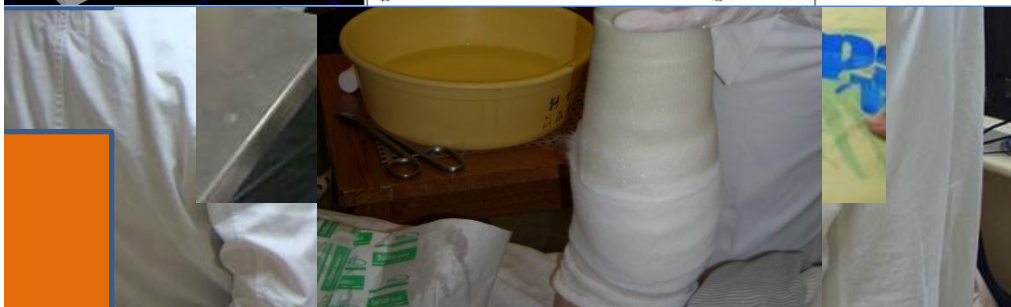
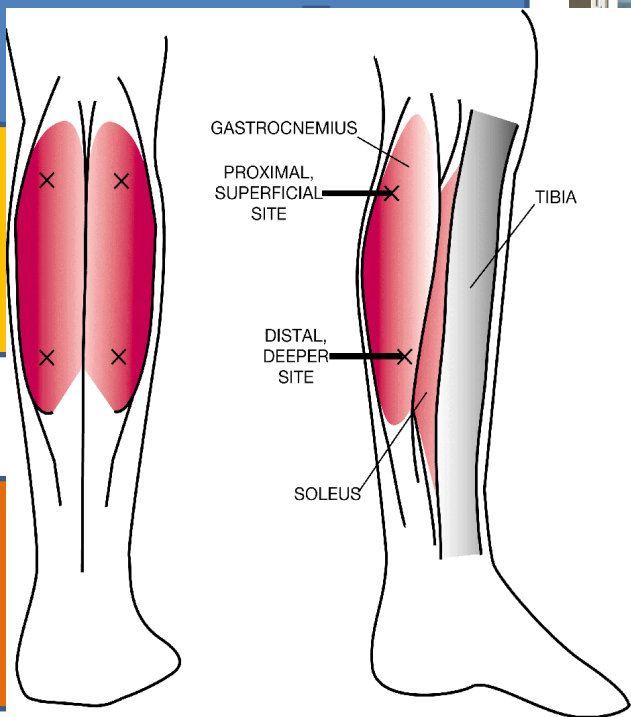
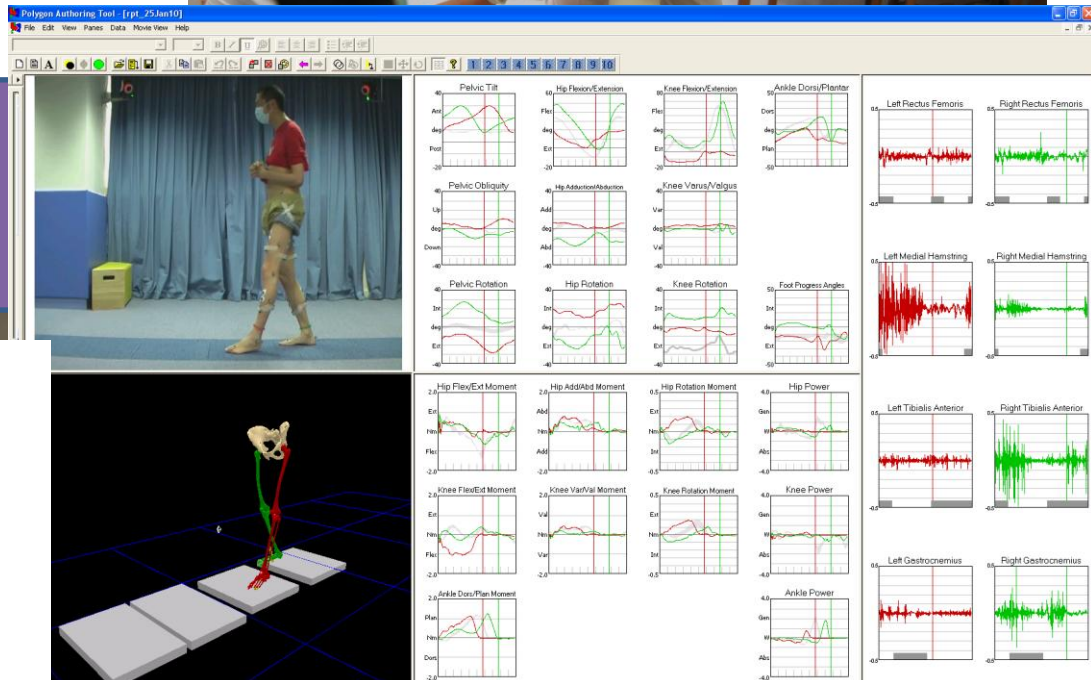


Botox Clinic

(Goal Setting, dosage, rehab plan)



Botox Injection



RESULTS



CONCLUSIONS:

Casting in adjunct with botulinum toxin injection is effective in improving the gait pattern for patients with stroke.

Pre-botox:

Patient walked with flexed knee,
forefoot landing and small step

Post-botox with casting:

Patient walked with less knee flexion,
whole foot landing and bigger step