Eligible children: Children 5 to 16 years with congenital hemiplegia and UL spasticity, not UL surgery prior to baseline period. Recruited from the QCPRC/OCPRRC registers.

Screening Measures
Screening for eligibility criteria, goals and upper limb function

Baseline (T1) Assessments (n=50)
Matched for age, gender, and UL function

Randomisation

COMBiT (n=25)
Circus theme day camp in groups 10-15 children
5.5hrs x 10 days = 45hrs direct UL training & 10 hrs indirect.
5 consecutive days CIMT (glove on unimpaired hand) followed by 5 consecutive days BIM.
Total UL training hours = 45hrs

Standard Care (n=25)
Standard Occupational Therapy and Physiotherapy Care – Individually tailored therapy: 1.5hr week, 6 weeks & 3hrs home program review = 9hrs direct UL therapy
Home program: 30 mins daily, 6 days/wk, 12 weeks = 36 hrs indirect
Total UL training hours = 45hrs

Primary endpoint (T2)
13 weeks

Follow up (T3)
26 weeks

Key:

Screening Measures (T1) 0 weeks
COPM
MUUL
AHA
JTTHF
BBT
LIFE-H
CPQoL – Parent
CPQoL – Child/Teen (9+ years)
CHEQ
DMQ - Parent*
DMQ – Child/Teen*
PSQ

Measures during intervention
PVQ
Motivation Likert Scales (therapist completed)
Post camp interviews (COMBIT only)

Post intervention outcomes (T2 and T3) 13 and 26 weeks respectively
COPM
MUUL
AHA
JTTHF
BBT
LIFE-H#
CPQoL – Parent#
CPQoL – Child/Teen (9+ years)
CHEQ#
DMQ# - Parent
DMQ – Child/Teen