

Table 2. Study characteristics of included studies – Chirurgische behandelingen aan de bovenste en onderste extremiteit

Study	Patients	Intervention		Comparison		Outcomes of interest reported	Follow-up
		Characteristics	Type	Characteristics	Type		
Bollens, 2013 Open-label RCT	Adult CVA patients (>6 months after CVA) presenting with spastic pes equinovarus	<u>N</u> = 8 <u>Mean age (range)</u> : 49.9 (32.1-70.2) <u>% Male</u> : 38	Selective tibial neurectomy performed by one neurosurgeon	<u>N</u> = 8 <u>Mean age (range)</u> : 52.3 (35.7-65.2) <u>% Male</u> : 50	Injection of BoNT-A under electrical stimulation guidance	- Spasticity (MAS) - QOL (SF-36 physical and mental health) - Walking (gait speed) - Function(ing) (SIAS, FAC, FWC)	2 and 6 months
Zheng, 2018 Open-label RCT	Patients (12-45 years of age) with hemiplegia in the upper extremity due to CVA, TBI, CP, or encephalitis	<u>N</u> = 18 <u>Mean age±SD</u> : 27±9 <u>% Male</u> : 100 <u>Cause of injury (n (%))</u> : - Stroke 5 (28) - TBI 6 (33) - CP 5 (28) - Encephalitis 2 (11)	C7 nerve-transfer surgery followed by 12 months of rehabilitation (4x week)	<u>N</u> = 18 <u>Mean age (SD)</u> : 26±8 <u>% Male</u> : 100 <u>Cause of injury (n (%))</u> : - Stroke 4 (22) - TBI 6 (33) - CP 8 (44) - Encephalitis 0 (0)	Rehabilitation only (4x week)	- Spasticity (MAS) - Function(ing) (Fugl-Meyer Assessment - upper extremity, ADL performance)	2,4, 6,8,10 and 12 months

Abbreviations: ADL – activities of daily living; BoNT-A – botulinum toxin type A; CVA – cerebrovascular accident; CP – Cerebral Palsy; FAC – Functional Ambulation Categories; FWC – Functional walking categories; MAS – Modified Ashworth Scale; RCT – Randomized Controlled Trial; SD - standard deviation; SIAS -Stroke Impairment Assessment Set; TBI – Traumatic Brain Injury; QOL – quality of life