Eligible infants 3-8 months with signs of asymmetric hand function:

- Not eligible or not interested. No further contact
- Expect to recruit 90% of eligible

Randomized matching for age and brain lesion characteristics

Training starts

Allocated to baby-CIMT (n=16)
- Received allocated intervention 6 weeks (first period)

Allocated to baby-Massage (n=16)
- Received allocated intervention 6 weeks (first period)

First outcome completion, week 6

Resting state/wash out 6-12 weeks

Second outcome completion, week 12

Allocated to Baby-CIMT (n=16)
- Received allocated intervention 6 weeks (second period 12-18 weeks)

Allocated to Baby-Massage (n=16)
- Received allocated intervention 6 weeks (second period 12-18 weeks)

Third outcome completion, week 18

Primary post treatment outcome at the child’s age of 12 months

Retention outcome at 2 years of age

Outcome measure and time points

**Baseline, week 0 (training start)**
- Primary outcome Measure: HAI
- Secondary Outcome Measure: AIMS, PSCS

**6 week, Outcome Measure**
- HAI

**12 weeks, Outcome Measure**
- HAI

**18 week, Outcome measure**
- HAI

At the child’s age of 12 months
- Primary outcome Measure: HAI
- Secondary Outcome Measure: AIMS, PSCS
- Neurological examination

At the child’s age of 2 years
- Primary outcome Measure: AHA
- Neurological examination