

<b>Location:</b>	Hvidovre Hospital, Kettegårds alle 30, 2650 Hvidovre, Denmark
<b>Dates:</b>	November 4-5, 2021
<b>Teaching language:</b>	English
<b>Costs:</b>	4400 DKK (exclusive moms for Danish participants) Fee includes Tuition, course handouts and - coffee/tea, lunch and refreshments. Test Kit is not included
<b>Binding registration deadline:</b>	September 22 2021
<b>Seats available:</b>	16-25
<b>For registration or questions about registration and practicalities:</b>	Louise Laursen, OT, Regional CPOP coordinator Louise.bolvig.laursen@regionh.dk +45 2764 9532
<b>For questions about content:</b>	Lena Krumlinde-Sundholm, Reg OT, PhD, Associate professor Lena.Krumlinde.Sundholm@ki.se

## WORKSHOP INVITATION

### THE HAND ASSESSMENT FOR INFANTS (HAI); A NEW TEST TO MEASURE INFANTS USE OF HANDS, EACH HAND SEPARATELY AND BOTH HANDS TOGETHER



**HAI Course at Hvidovre Hospital,  
Denmark**

November 4-5, 2021



## **The Hand Assessment for Infants (HAI)**

A new assessment of hand function has recently been developed for infants at risk of cerebral palsy (CP) in the age range 3-12 months old. The HAI intends to measure the degree and quality of goal directed actions performed with each hand separately as well as with both hands together. The outcome of the test renders a separate score for each hand, illustrating possible asymmetric hand use as well as a measure a criterion referenced measure of general upper limb ability, as well as age norm references. As a first step the HAI has been validated for infants with clinical signs of unilateral cerebral palsy. The HAI is scored on 17 items (12 unimanual and 5 bimanual) scored on a 3-point rating scale. The HAI is a criterion referenced test useful for measuring hand function, and norm-referenced values are also provided. Preliminary results indicate high predictive validity for unilateral CP already at 3.5-4.5 months of age.

### **Course overview**

The course teaches the reliable use of the HAI, in two steps: The first step involves a two day workshop where participants will learn about the constructs underlying the HAI, test procedures, test objects used, and scoring of infants from video recordings. A HAI manual with detailed scoring criteria and a computer based scoring form will be provided. Following the course, the participants will be able to create their own test kit according to instructions given during the course. Feedback on the selected toys will be provided during the certification procedure. Additionally participants will be required to achieve satisfactory scoring of test cases; some of which are provided by videos, and two from self-produced HAI play sessions.

## **Course objectives**

On completion of the course participants will be able to:

- Demonstrate how to select appropriate toys for a HAI play session
- Demonstrate the set-up and video-recording of the session and how toys are used to provoke active hand use in infants
- Produce reliable scores according to the criteria in the manual
- Understand the constructs upon which the HAI is based and describe early psychometric evidence
- Interpret and communicate outcomes from the testing procedures

### **Program**

Day 1 (9:00:17:00)

- Introductions
- Early development of hand function in CP
- Review: tests of hand function for infants
- Concept and development of the HAI
- HAI test items
- Score form
- Scoring of children
- The HAI test kit and play session

Day 2 (9:00-15:00)

- Psychometric properties
- Scoring of children
- feedback procedure
- Scoring of children
- Wrap-up

### **Course Tutors**

Associate Professor Lena Krumlinde-Sundholm, Reg OT, PhD. Lena is a senior researcher at the Karolinska Institutet in Stockholm, Sweden, and Elisa Sicola, Senior PT, Childhood Neuro and Psychomotor Therapist (TNPEE), IRCCS Stella Maris Pisa