

## *Workshop Invitation:*

# Both Hands Assessment (BoHA)

## **A new perspective on evaluating hand function in children with bilateral cerebral palsy (CP) between the ages of 18 months and 12 years**

The Both Hands Assessment (BoHA) provides a new perspective on evaluating hand function in children with bilateral cerebral palsy (CP) between the ages of 18 months and 12 years. It is a further development of the Assisting Hand Assessment (AHA), which has been successfully used in children with unilateral cerebral palsy for nearly 20 years.

The BoHA is a standardized criterion-referenced test intended for children with bilateral CP of spastic, dyskinetic or ataxic type with hand function corresponding to MACS levels I-III. The BoHA measures and describes how effectively children with bilateral CP use both hands together in bimanual activity performance, as well as quantifies a possible asymmetry between hands. The BoHA is scored from observation of 15-20 minutes semi-structured play activity requiring bimanual use. In the video recorded play session the BoHA is scored on sixteen items graded on a four-point rating scale. Eleven of the items are scored for each hand separately (unimanual items) while for the five bimanual items one common score is given for both hands.

Rasch measurement model analyses have been used to evaluate internal scale validity and aspects of reliability of the BoHA (Elvrum, Zethraeus, Vik, & Krumlinde-Sundholm, 2017).

The course teaches the BoHA Version 1.2 and is conducted in two steps. First, a 2½-day workshop is given including information about the test construct, testing procedure, and scoring practice on a range of children from videos. A manual with detailed scoring criteria and a computer-based scoring form is provided during the course.

To achieve certification, the participant is to score five calibration cases from videos distributed through the course with satisfactory results (within 3 months). Individual feedback on these cases is provided. In addition, the participant is expected to reflect on administration of the BoHA for one of the five calibration cases, AND to reflect on administration and recording of one own BoHA test session.

## *COURSE OBJECTIVES*

Upon completion of the course the participants will be able to:

- *Demonstrate* the set up, conduct and video record an Both Hands Assessment session and *produce reliable scores* according to the criteria in the manual
- *Verbalize* the concept and construct of the test and its psychometric properties
- *Interpret and communicate* the outcome of the test.

## *COURSE TUTORS*

*Ann-Kristin G. Elvrum Reg OT, Assoc. Professor, NTNU, Norway*

*Britt-Marie Zethraeus Reg OT, MSc, Karolinska Institutet, Stockholm*

## *DATES AND FEES*

The online course takes place November 15-17 at a cost of 4.800 SEK per person.

The fee includes a copy of the BoHA manual and unlimited number of score forms as paper copies and an electronic version. The test kit is not included and can be ordered from <https://handfast-webshop.myshopify.com/>

Register at <https://handfast-webshop.myshopify.com/products/registration-for-boha-workshop> before October 1st 2023

Enquiries: [ann-kristin.elvrum@ntnu.no](mailto:ann-kristin.elvrum@ntnu.no)