



Texas Children's Hospital

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**THE MINI-ASSISTING HAND
ASSESSMENT:
A NEW TEST TO MEASURE
HOW YOUNG CHILDREN
WITH UNILATERAL
CEREBRAL PALSY USE THEIR
AFFECTED HAND DURING
BIMANUAL PLAY**

September 27-28, 2019

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

September 29-30, 2019

Presented by:

*Lena Krumlinde-Sundholm, OTR, PhD
Susan Greaves, OTR, PhD*



Texas Children's Hospital

www.texaschildrens.org

*Texas Children's Health Centers
Texas Children's West Campus
Texas Children's Woodland Campus*

Course Location:

Texas Children's Hospital
Feigin Center 1st floor conference room
1102 Bates
Houston, Texas 77030

Course Description

Mini AHA

A new version of the Assisting Hand Assessment (AHA) has been developed for young children with unilateral cerebral palsy (CP) aged 8-18 months called the Mini-Assisting Hand Assessment (Mini-AHA). Like the AHA, the Mini-AHA involves a video-recorded play session using carefully selected toys that provoke bimanual hand use. Twenty object related actions of the affected hand are then scored on a 4 point rating scale.

The course teaches the reliable use of the Mini-Assisting Hand version 1.3, in two steps: The first step involves a two day workshop where participants will learn about the constructs underlying the Mini-AHA, test procedures including the new play session and test items, and will practice test scoring. A Mini-AHA 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 Mini-AHA play sessions.

HAI

A new assessment of hand function has recently been developed for infants at risk of developing cerebral palsy (CP) in the age range 3-12 months old. The development of this test has been done in collaboration between research groups at IRCCS Fondazione Stella Maris in Pisa Italy, and at the Karolinska Institutet in Stockholm, Sweden. 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 at 3.5-4.5 months of age.

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

Mini AHA

On completion of the course participants will be able to:

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

HAI

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

SCHEDULE Mini AHA Friday, September 27, 2019

8:30-9:00	Registration/continental breakfast
9:00-10:00	Theoretical Background of the Mini-AHA
10:00-10:15	Break
10:15-12:15	Mini-AHA Test Items
12:15-1:15	LUNCH
1:15-3:15	Scoring of children
3:15-3:30	BREAK
3:30-4:30	The Mini Aha test kit and play session
4:30-5:00	Certification procedure

Saturday, September 28, 2019

8:30-9:00	Continental breakfast
9:00-10:00	Psychometric properties
10:00-10:15	BREAK
10:15-12:00	Scoring of children
12:00-1:00	LUNCH
1:00-3:00	Interpret and communicate the outcome
3:00-3:15	BREAK
3:15-4:00	Using the outcome to guide intervention/Wrap up

Schedule HAI

Sunday, September 30, 2019

Day 1

8:30-9:00	Registration/Continental breakfast
9:00-10:00	Early Development of hand function in CP
10:00-10:30	Review: Tests of hand function for infants
10:30-10:45	BREAK
10:45-12:00	Concept and development of the HAI
12:00-1:00	LUNCH
1:00-2:00	HAI Test Items
2:00-2:30	Score Form
2:30-3:30	Scoring of children
3:30-4:45	BREAK
4:45-5:00	The HAI Test Kit and play session

Day 2

9:00-10:00	Psychometric properties
10:00-10:30	Scoring of Children
10:30-10:45	BREAK
10:45-11:30	Scoring of Children continues
11:30-12:30	Feedback procedure
12:30-1:30	LUNCH
1:30-2:45	Scoring of Children continues
2:45-3:00	Questions and answers/Wrap up

About the Instructors

Lena Krumlinde-Sundholm, Reg OT, PhD, Associate Professor is an Occupational Therapist and a senior researcher at the Neuropediatric unit, Department of Woman's and Children's Health, Karolinska Institutet in Stockholm.

Susan Greaves, OT, MOT, Doctor of Philosophy, Manager OT department Royal Children's Hospital in Melbourne, Australia; Published author of articles in peer reviewed journals; chief investigator on 2 NHMR funded multi-site RCT's on efficacy of upper limb interventions for children with cerebral palsy.

REGISTRATION FORM

Please complete registration form online at <http://www.texaschildrens.org/health-professionals/education/pmr> or call 832-826-6311 to register by phone.

Course Fee:

Mini AHA: \$400.00

HAI: \$400.00

Both Courses: \$725.00

Fee includes: Tuition, course handouts and refreshments; Test Kit Is NOT INCLUDED!

Course Location:

Texas Children's Hospital
Feigin Center 1st floor conference room
1102 Bates, Houston, Texas 77030

Course accommodations:

Wyndham Medical Center
6800 Main, Houston, Texas 77030
713-528-7744

Rate: \$115.00 for regular room while lasts

Website Registration:

<http://www.texaschildrens.org/health-professionals/education/pmr>

12 contact hours or CCU's have been applied for Mini AHA course through TPTA, and TOTA
11 contact hours or CCU's have been applied for HAI course Through TPTA and TOTA

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