

COGNITIVE ASSESSMENT IN LOW- AND MIDDLE-INCOME COUNTRIES

Friday, July 14, 2023 | 1-5 p.m.
Hilton — Amsterdam, Netherlands
All times are in Central European Time
In-person attendance only

Overview

This interactive workshop for clinicians and researchers from low- and middle-income countries (LMIC) who evaluate patients with cognitive complaints in their clinic, do epidemiological research or recruit persons with dementia into clinical trials. One of the most important barriers to dementia care and research highlighted by researchers in LMIC is lack of suitable cognitive tools. The workshop aims to address this gap.

The workshop will cover principles of cognitive testing including validation, adaptation and sensitivity and specificity. Participants will learn about a global cognitive computerized battery and a new test for spatial cognition which were both developed by researchers in high-income countries (HIC). The global cognitive battery has been adapted and validated for use in several low to middle income countries, and a new version was co-developed with experts across low to middle income countries. The workshop will also introduce a memory test developed by researchers in a middle-income country, which has also been used in some HIC.

Researchers and clinicians who developed and use the cognitive tests will lead demonstrations and group discussions on the strengths and drawbacks of each method. Researchers who currently use the scales or tools in their country (LMIC or HIC) will discuss how attendees can practically implement the proposed cognitive testing, especially to help researchers based in LMIC.

Organizing Committee

- Ganesh Babulal, Washington University in Saint Louis, United States
- Paulo Caramelli, Federal University of Minas Gerais, Brazil
- Ratnavalli Ellajosyula, Manipal Hospitals, Bangalore, India
- Sanne Franzen, Erasmus Medical Center, Netherlands
- Michael Hornberger, Norwich Medical School, United Kingdom
- Wambūi Karanja, The Global Brain Health Institute, Kenya
- Katherine Possin, The Global Brain Health Institute and the University of California San Francisco, United States
- Yared Zewde, The Global Brain Health Institute, Ethiopia

Target Audience

This workshop is targeted to clinicians and researchers at any stage in their career to increase expertise on cognitive assessment of colleagues working in LMIC.

Learning Objectives

- Understanding principles of cognitive testing, including the scientific rationale, test design and diagnostic accuracy.
- Learning principles of adaptation and validation of cognitive tests for use in LMIC.
- Learning appropriate application of three specific cognitive tests in different scenarios (i.e., high-income countries and LMIC).

Registration

Pre-conferences are offered for in-person attendance only. Preconferences require a separate registration fee in addition to AAIC full conference registration, or they may be purchased as stand-alone events.

Agenda

Time	Session Details	Speakers and Moderators
1-1:10 p.m.	Introduction	Ratnavalli Ellajosyula (India) and Wambui Karanja (Kenya)
1:10-1:50 p.m.	Computerized Global Cognitive Assessment	Katherine Possin (U.S.) and Yared Zewde (Ethiopia)
1:50-2:30 p.m.	Assessment of Spatial Cognition	Michael Hornberger (U.K.) and Ratnavalli Ellajosyula (India)
2:30-3:10 p.m.	Assessment of Episodic Memory	Paulo Caramelli (Brazil) and Sanne Franzen (Netherlands)
3:10-3:30 p.m.	Coffee Break	
3:30-4:10 p.m.	Group Discussion — Six tables, each two would discuss one of the three topics	Moderators: Katherine Possin (U.S.), Yared Zewde (Ethiopia), Ratnavalli Ellajosyula (India), Michael Hornberger (U.K.), Paulo Caramelli (Brazil) and Sanne Franzen (Netherlands)

4:10-4:40 p.m.	Presentations by Each Group — Five minutes each	All workshop participants
4:40-5 p.m.	Summary and Conclusions	Paulo Caramelli (Brazil) and Wambūi Karanja (Kenya)