

Webinar by Elkhonon Goldberg, PhD

WEBINAR "MEMORY AND MEMORY IMPAIRMENTS"

Memory is among the most important cognitive functions, and memory impairment is among the most common and most catastrophic consequences of neurological and psychiatric conditions. In this webinar we will review the basic neurobiology of memory and various forms of memory in normal cognition, including associative memory and working memory. We will then review various amnesic syndromes, e.g. anterograde and retrograde amnesias; and types of memory impairments across a wide range of brain disorders. These include Alzheimer's disease and other dementias; Korsakoff syndrome; traumatic brain injury; temporal lobe epilepsy; viral encephalopathies including COVID-19, HIV encephalopathy, and herpes simplex encephalopathy; and other disorders, as well as usually ignored neurodevelopmental memory impairments. We will discuss memory changes in aging and efforts to protect it.

Date and time:

October 20, 2022, 1 pm – 4:15 pm Eastern Time

October 22, 2022, 1 pm – 4:15 pm Eastern Time

Date and time:

\$165 for a three-hour webinar.

Topics to be covered:

Basic neurobiology of memory. Components of memory circuits and their neuroanatomy. Types of memory from a cognitive standpoint: associative vs working; explicit vs implicit; intentional vs incidental. Forgetting and why it is useful.

Amnesias: anterograde vs retrograde; general vs modality specific.

Assessment of memory and amnesias. Memory and aging.

Memory impairment in dementias (Alzheimer's and others) and in traumatic brain injury (TBI).

Memory impairment in viral encephalopathies (Herpes Simplex, HIV, COVID-19).

Memory and neurodevelopmental disorders: neglected condition.

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ABOUT THE INSTRUCTOR



The webinar features Elkhonon Goldberg, Ph.D., ABPP., a clinical neuropsychologist and cognitive neuroscientist, and Diplomate of The American Board of Professional Psychology in Clinical Neuropsychology. Elkhonon Goldberg, Ph.D., ABPP authored numerous research papers on functional cortical organization, hemispheric specialization, frontal lobe functions and dysfunction, memory and amnesias, traumatic brain injury, dementias, and schizophrenia. Goldberg's books *The Executive Brain* (2001), *The Wisdom Paradox* (2005), and *The New Executive Brain* (2009) have met with international acclaim. He coauthored *The SharpBrains Guide to Cognitive Fitness* (2013). A sought-after educator, he has lectured worldwide. Elkhonon Goldberg was a student and close associate of the great neuropsychologist Alexander Luria.

Dr. Goldberg's more recent books are:

1. **Creativity: The Human Brain in the Age of Innovation** (Oxford University Press, 2018)
2. **Executive Functions in Health and Disease** (Academic Press, 2017)