About

LURIA NEUROSCIENCE INSTITUTE ANNOUNCES WEBINAR SERIES ABOUT THE BRAIN AND THE MIND

The webinars are presented by Elkhonon Goldberg, Ph.D., ABPP., a clinical neuropsychologist and cognitive neuroscientist, and Diplomate of The American Board of Professional Psychology in Clinical Neuropsychology. His critically acclaimed and bestselling books have been translated into 24 languages.

CE credits: each webinar takes 3 hours and 3 CE Credits will be awarded by CE credit sponsor.

Time: 1 pm – 4:15 pm Eastern Time (noon – 3:15pm Central Time, 10am – 1:15pm Pacific Time), with a short break.

Dates: December 2022.

Fee: $165 for a three-hour course. There is no additional charge for the CE certificate.

ABOUT THE INSTRUCTOR

The webinars will feature 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)

Webinars

Executive Functions and the Frontal Lobes

December 8 (Thursday), 2022, 1 pm – 4:15 pm EST
Executive functions represent the highest level of cognitive control and involve goal formation, planning, mental flexibility, impulse control, working memory. Executive functions are mediated by the prefrontal cortex and related structures. In this webinar we will examine their cognitive composition, neural mechanisms, changes throughout the lifespan, and gender differences. We will also examine the role of executive functions in creativity and their relationship to intelligence.

Aging and Dementias

December 10 (Saturday), 2022, 1 pm – 4:15 pm EST
Dementias are among the most prevalent neurocognitive disorders presenting a unique set of clinical and societal challenges. In this webinar we will review several major types of dementia, including Alzheimer's disease, Lewy body dementia and its relationship to Parkinson's disease, frontotemporal dementia, vascular dementia, and others. For each of these disorders we will discuss the underlying neurobiology, epidemiology, natural history, diagnosis, and cognitive characteristics. We will also discuss cognitive aging, as well as both protective and risk factors associated with it.

Traumatic Brain Injury

December 11 (Sunday), 2022, 1 pm – 4:15 pm EST
Traumatic Brain Injury (TBI) is a highly prevalent condition sometimes referred to as a "silent epidemic." In this webinar we will review various types of TBI (closed, open, blast); various causes and unique characteristics of motor vehicle accidents, workplace-related, military and sports TBI; various mechanisms of TBI (diffuse axonal injury, contrecoup, neurometabolic cascade); cognitive characteristics (particularly executive and memory impairment); recovery from TBI and long-term outcomes; and forensic issues commonly associated with TBI.

Webinars

Long NEUROCOVID: What Has Been Learned

December 15 (Thursday), 2022, 1 pm – 4:15 pm EST
New information will be presented about the evolution of the pandemic, challenges associated with vaccination, and the variants. As the pandemic evolves, its character changes. Vaccines are here, but so are the new virus variants. We have a better understanding of the mechanisms of acute and long NEUROCOVID, and of its impact on various segments of the population. NEUROVID in children and in the elderly is of particular concern, as well as its being a risk factor for later-life dementia. The burden of the pandemic on the overall psychological state of the world is growing, but so are the arsenal of tools to counter its effects. These and other issues will be discussed in the new webinar.

Memory and Memory Impairments

December 22 (Thursday), 2022, 1 pm – 4:15 pm EST
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 amnestic syndromes, e.g. anterograde and retrograde amnesias; and types of memory impairments across a wide range of brain disorders. We will discuss memory changes in aging and efforts to protect it.

Brain Disorders and Criminal Behavior

December 29 (Thursday), 2022, 1 pm – 4:15 pm EST
Various brain disorders may alter behavior in ways that result in behaviors judged by society as antisocial or outright criminal. Ultimately the judgment whether certain acts are criminal and to what extent (if any) a history of brain disorder is a mitigating factor, rests with the legal system. However, mental health professionals can make important contributions to these decisions in an advisory capacity. In this webinar we will review some of the conditions with which aberrant behaviors may be associated. These include dementias, neurodevelopmental disorders, TBI, seizures, space occupying lesions, neuropsychiatric disorders, and others. It is important for clinicians working with these populations to be aware of the potential for socially aberrant behavior, which may be predicated, entirely or in part, on the intrinsic properties of underlying brain disease and associated cognitive impairment.