



Where: Live Online

<https://weillcornell.zoom.us/j/93210081206>

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When: 12:00pm-1:00pm

Thursday, March 21st, 2024



James C. Root, PhD

Attending Neuropsychologist, Department of Psychiatry and Behavioral Sciences at Memorial Sloan Kettering Cancer Center

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Financial Disclosure: Dr. Root has no relevant financial relationship(s) with ineligible companies to disclose and DOES NOT INTEND to discuss off-label or investigational use of products or services.

Dr. James C. Root is an Attending Neuropsychologist at Memorial Sloan Kettering Cancer Center and Professor of Psychology in the Department of Psychiatry at Weill Cornell Medical College. His clinical expertise is in the assessment of cognitive abilities (e.g., memory, attention, language, executive functioning) in adults following cancer diagnosis and treatment. His research focuses on the cognitive effects of cancer diagnosis and treatment within the Neurocognitive Research Laboratory. He utilizes neuropsychological, neuroimaging, and psychophysiological assessment to investigate the effects of cancer and cancer treatment on cognition, as well as on brain structure and function.

“CANCER RELATED COGNITIVE DYSFUNCTION”

ABSTRACT

Cancer and cancer treatment have been associated with cognitive decline both acutely and at longer intervals post treatment. This presentation will review what is currently known about cognitive changes in the context of cancer, including neurocognitive changes, findings from structural and functional MRI, cognitive experimental measures and psychophysiological methods. Potential etiologies and mechanisms will also be reviewed together with contribution of genetic risk factors and frailty/deficit accumulation.

LEARNING OBJECTIVES

1. Discuss the current state of the science regarding cancer related cognitive dysfunction.
2. Demonstrate the risk factors associated with cancer related cognitive dysfunction.
3. Analyze how a history of cancer and treatment might alter cognitive trajectories of aging.

*1 CE credit available to WCM Department of Psychiatry full time and voluntary faculty Psychologists and Social Workers who sign in with their full name, attend the majority of the lecture and complete a survey which will be emailed following the completion of the lecture. Note the survey must be completed within 30 days of the lecture. Please contact wcmpsychiatryce@med.cornell.edu for additional CE information

REFERENCES

1. Ahles, T. A., & Root, J. C. (2018). Cognitive Effects of Cancer and Cancer Treatments. *Annu Rev Clin Psychol*, 14, 425-451. <https://doi.org/10.1146/annurev-clinpsy-050817-084903>
2. Gaynor, A. M., Ahsan, A., Jung, D., Schofield, E., Li, Y., Ryan, E., Ahles, T. A., & Root, J. C. (2022). Novel computerized neurocognitive test battery is sensitive to cancer-related cognitive deficits in survivors. *J Cancer Surviv*. <https://doi.org/10.1007/s11764-022-01232-w>
3. Root, J. C., Andreotti, C., Tsu, L., Ellmore, T. M., & Ahles, T. A. (2016). Learning and memory performance in breast cancer survivors 2 to 6 years post-treatment: the role of encoding versus forgetting. *J Cancer Surviv*, 10(3), 593-599. <https://doi.org/10.1007/s11764-015-0505-4>