



Continuing Medical Education  
Yale CME

## Yale Sleep Medicine Seminar

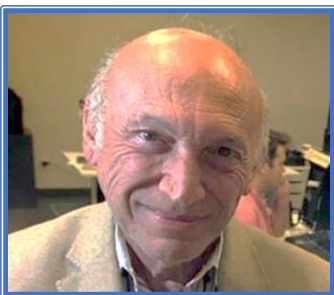
Presented by: Department of Internal Medicine, Section of Pulmonary, Critical Care & Sleep Medicine

### Joint Yale-Harvard-Tufts Sleep Conference

# The Odds Ratio Product as a Marker of Sleep Depth

10/13/2021 2:00 PM – 3:00 PM | Online

Currently, evaluation of sleep studies, performed to investigate sleep disorders, still follows guidelines established in the 1960's, before the microprocessor was invented. The digital information gathered over several hours is enormous but greatly underutilized. As a result, in many patients the symptoms are not explained, and they remain untreated. More recently, I have been involved in extracting new, and potentially clinically useful, information from the EEG and the results so far have been very promising. Among the most validated and promising EEG markers is the Odds Ratio Product, a continuous index of sleep depth. In this lecture the basis for this metric will be presented and the various ways in which it can be used to explain patient symptoms will be described.



#### Magdy K. Younes, MD, FRCPC, PhD

Distinguished Professor Emeritus  
Senior Scholar, Dept. of Medicine  
University of Manitoba

#### Program Goal:

1. Learn how the Odds Ratio Product (ORP) is measured
2. Become acquainted with an ORP-based sleep architecture and how to interpret the various patterns
3. Be informed about some applications of ORP

Target Audience: Sleep Medicine

#### Financial Disclosure Information:

Janet Hilbert, MD, Course Director for this educational activity, has no relevant financial relationship(s) with ineligible companies to disclose. Magdy K. Younes, MD, faculty for this educational event, is the inventor of the Odds Ratio Product and has a patent on the technology. The Technology is licensed to Cerebra Health.  
All of the relevant financial relationships listed for these individuals have been mitigated.

Accreditation Statement: Yale School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

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For questions, email [deborah.lovejoy@yale.edu](mailto:deborah.lovejoy@yale.edu)

For information to register, email [yalesleep.medicineseminar@yale.edu](mailto:yalesleep.medicineseminar@yale.edu)