



David Gozal, MD, MBA, PhD

"Pediatric Sleep Apnea"

Friday, February 7, 2025

9:00 a.m. to 12:00 p.m.

LIVE WEBINAR 3 CE Credit Lecture Hours

Synopsis:

Pediatric sleep apnea is a very frequent condition affecting 3-5% of all children. This presentation will focus on the clinical presentation of sleep apnea in children including the various phenotypic variants that have been identified to date, approaches to the diagnosis of the disease that extend beyond overnight polysomnography, and description of some of the more important end-organ morbid consequences of sleep apnea in children. The second presentation will then encompass an improved understanding on the pathophysiology of morbidity in sleep apnea in general. In addition to well-established processes such as inflammation, autonomic nervous system imbalances and remodeling, the lecture will also focus on novel mechanisms encompassing gut microbiome, senescence and blood brain barrier permeability.

\* Part #1: Clinical Presentation, Pathophysiological Considerations and Diagnostic Approaches

\* Part #2: End-Organ Morbidity and its Mechanisms, As Drivers of Phenotypic Variance

Course Objectives:

- To enable the audience to recognize symptoms and signs associated with an increased risk of sleep apnea in children.
To identify the various diagnostic modalities, their advantages and limitations.
To recognize phenotypic variance and the potential mechanisms driving morbid consequences of sleep apnea.

THIS LIVE-STREAMING WEBINAR WILL INCLUDE A QUESTION & ANSWER SESSION

The webinar will also be recorded and available for on-demand viewing and CE credit for 30 days beginning on Monday 3/7/2025 on the NVDS website (www.nvds.org)

WEBINAR REGISTRATION FORM · Friday, February 7, 2025 · David Gozal, MD, MBA, PhD

NVDS ONLINE CONTINUING EDUCATION COURSE

Webinar login information will be sent by email.

Attendees will receive their CE certificate by email three (3) business days after the webinar.

We encourage you to register online at www.nvds.org.

Dentist Name [ ] E-Mail [ ]

A unique email is required for each registrant.

Staff Member [ ] E-Mail [ ]

Staff Member [ ] E-Mail [ ]

Phone [ ]

If additional registrants, please submit on a separate sheet.

Credit Card Number [ ]

Name on Credit Card [ ]

Expiration Date [ ] / [ ]

Billing Zip Code [ ]

PREREGISTRATION IS REQUIRED

Table with 2 columns: Registration Type and Fee. Includes rows for Dentist - NVDS Member (\$40.00), Dentist - VDA/ADA Member (\$55.00), Dentist - Non-ADA Member (\$155.00), Member's Auxiliary/Office Staff (\$30.00 each), and Late Fee (\$30.00).

Verification Code [ ] TOTAL \$ [ ]

All registrations will be confirmed by email. Reservations must be received by close of business 2/5/2025. Late registrations may not be accepted.

If paying by check, make payable to the Northern Virginia Dental Society. Mail the form and payment to NVDS, 4330 Evergreen Lane, Suite N, Annandale, VA 22003. You can also fax (703) 750-2261, email ematlock@nvds.org, or call (703) 642-5298.

Cancellations for this live event must be received in writing 7 days prior to the program. No refunds are made for cancellations made beyond this time. Northern Virginia Dental Society is an ADA CERP-recognized provider approved by Virginia Dental Association. ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing education.

### **About Our Presenter:**

Dr. David Gozal is currently the Dean of the Joan C. Edwards School of Medicine and Vice President for Health Affairs of Marshall University in Huntington, West Virginia. Dr. Gozal's research interests include projects such as gene and cellular regulation in hypoxia and sleep disruption, murine models of sleep disorders, and genomic and proteomic approaches to clinical and epidemiological aspects of sleep apnea in both adults and children. In addition, he has pioneered biomarker discovery and machine learning approaches for the diagnosis of sleep apnea across the lifespan. More recently, he has begun exploration of the role of the gut microbiome and circulating exosomes as mechanistic effectors and biomarkers in sleep disorders and associated morbidities.

He is Past President of the American Thoracic Society, the world leading organization for pulmonary, critical care and sleep medicine, was a member of the Board of Directors of the Sleep Research Society 2014-2016 and is Deputy Editor-in-Chief for the journal *Sleep*, and Associate Editor for *ERJ*, *Pediatric Pulmonology*, and *Frontiers in Neurology* and *Frontiers in Psychiatry*. He has been the recipient of the ATS Amberson Lecture in 2002 and was awarded the William C. Dement Academic Achievement Award by the American Academy of Sleep Medicine in 2013, and the 2016 Lifetime Achievement Award of the National Sleep Foundation. He has also received two honorary doctorates from the University of Barcelona and University of Lleida in Spain. His research work has been continuously supported by grants from the NIH since 1992, and he has published over 850 peer-reviewed original articles carrying a H index of 137 and >80,000 citations along with nearly 200 book chapters and reviews, edited 7 books, presented more than 1,000 scientific abstracts, and has extensively lectured all over the world.