



THE OHIO STATE UNIVERSITY

WEXNER MEDICAL CENTER

© The Ohio State University Wexner Medical Center, 2018

The following program is a Continuing Medical Education Activity sponsored by The Ohio State University Wexner Medical Center. The design and production of this CME Activity is the sole responsibility of the Center for Continuing Medical Education.

Accreditation Statement

The Ohio State University's Center for Continuing Medical Education (CCME) is accredited by the Accreditation Council for Continuing Medical Education (ACCME®) to provide continuing medical education for physicians.

AMA Designation Statement

The Ohio State University's Center for Continuing Medical Education designates this enduring material for a maximum of **1 AMA PRA Category 1 Credit™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

As an enduring material this CME Activity is approved for three years from original release.

Original release 10/17/18. Termination date 10/17/21

CCME Disclosure Statement

As a provider of AMA PRA Category 1 Continuing Medical Education, it is the policy of CCME to adhere to the ACCME Standards for Commercial Support to avoid any conflict of interest and/or commercial bias and must ensure balance, independence, objectivity and scientific rigor in all its sponsored educational activities. All individuals who are in a position to control content of an educational activity, including presenters, panel members and moderators, must to disclose any relevant financial relationships that create a conflict of interest.

Nothing in this program is intended to imply that any off-label or unapproved product use discussed is reimbursed by any government or private payor or that submission of a claim for such use is proper.

Presentation may include discussion of services and unapproved or off-label usage of commercial products or devices. **This continuing medical education activity is supported in part by an educational grant from Respicardia.**

Planning Committee Disclosures

The following **planning committee members** has **relevant** financial relationships with commercial interests to disclose that would influence their development of content for this activity; their educational unit does not have a financial interest or affiliation with an organization that may receive direct benefit from the subject of the proposed CME activity; and they will not be personally compensated for their role in the planning or execution of this proposed CME activity by an organization other than The Ohio State University:

William Abraham, MD discloses he has relationships with commercial interests in the following areas: Advisory Board Membership - Abbott, Boehringer Ingelheim, Medtronic, Novartis, and Respicardia; and Editorial Board Involvement – JACC-HF, JWC, PACE. His educational unit does not have a financial interest or affiliation with an organization that may receive direct benefit from the subject of this CME activity. He will not be personally compensated for his role in the planning or execution of this CME activity by an organization other than The Ohio State University. Her role in the planning process was limited to discussing evidence only from unbiased reviews of the literature.

Ralph Augustini, MD discloses he has relationships with commercial interests in the following areas: Grant/Research Support - Respicardia; and Consultant/Speaker Bureau – Respicardia. His educational unit does not have a financial interest or affiliation with an organization that may receive direct benefit from the subject of this CME activity. He will not be personally compensated for his role in the planning or execution of this CME activity by an organization other than The Ohio State University. Her role in the planning process was limited to discussing evidence only from unbiased reviews of the literature.

Speaker Disclosures

The following **speaker** has **no relevant** financial relationships with commercial interests to disclose that would influence their development of content for this activity; their educational unit does not have a financial interest or affiliation with an organization that may receive direct benefit from the subject of the proposed CME activity; and they will not be personally compensated for their role in the planning or execution of this proposed CME activity by an organization other than The Ohio State University:

James Mann, MD

Speaker Disclosures

The following **speakers have relevant financial relationships** with commercial interests that could influence their development of content for this activity; their educational unit does not have a financial interest or affiliation with any organization that may receive direct benefit from the subject of the proposed CME activity; and they will not be personally compensated for their role in the planning or execution of this proposed CME activity by an organization other than The Ohio State University:

William Abraham, MD discloses he has relationships with commercial interests in the following areas: Advisory Board Membership - Abbott, Boehringer Ingelheim, Medtronic, Novartis, and Respicardia; and Editorial Board Involvement – JACC-HF, JWC, PACE. His presentation **will not** include discussion of unapproved or “off-label” usage of commercial products and/or devices.

Ralph Augustini, MD discloses he has relationships with commercial interests in the following areas: Grant/Research Support - Respicardia; and Consultant/Speaker Bureau – Respicardia. His presentation **will not** include discussion of unapproved or “off-label” usage of commercial products and/or devices.

Sanjaya Gupta, MD discloses he has relationships with commercial interests in the following areas: Grant/Research Support – Bristol-Myers-Squibb, Medtronic, and Abbott/St. Jude Medical; Honorarium Recipient - Boston Scientific and Medtronic. His presentation **will not** include discussion of unapproved or “off-label” usage of commercial products and/or devices.

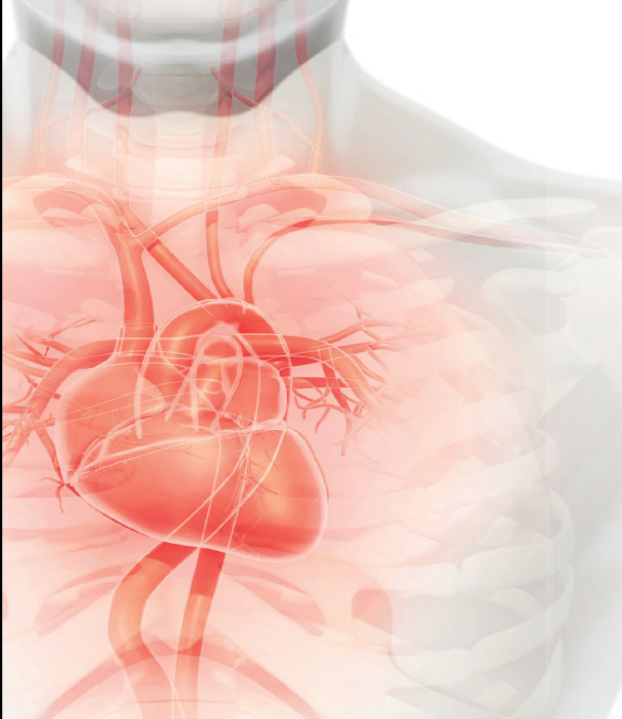
Jagmeet Singh, MD discloses he has relationships with commercial interests in the following areas: Consultant/Speaker Bureau – Medtronic, Abbott, Biotronk, Boston Scientific, LivaNova, and Respicardia. His presentation **will not** include discussion of unapproved or “off-label” usage of commercial products and/or devices.

Agenda Disclaimer

CCME presents this activity for educational purposes only. Participants are expected to utilize their own expertise and judgment while engaged in the practice of medicine. The content of the presentations is provided solely by presenters who have been selected for presentations of recognized expertise in their field.

No further reproduction or distribution is permitted by electronic transmission or any other means. The presentations during this webcast are the intellectual property of the presenter and require his/her permission for further use.

This activity will discuss ***New Tools for Electrophysiologists: The Treatment of Central Sleep Apnea in Heart Failure Patients***




OHIO STATE
*Satellite Symposium at the 2018 Heart Rhythm
Scientific Sessions*


**New Tools for Electrophysiologists:
The Treatment of Central Sleep
Apnea in Heart Failure Patients**

Thursday, May 10


The Westin Boston Waterfront
425 Summer St.
Boston, MA 02210

 **THE OHIO STATE UNIVERSITY**
WEXNER MEDICAL CENTER

**New Tools for
Electrophysiologists: The
Treatment of Central Sleep
Apnea in Heart Failure Patients**



THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER

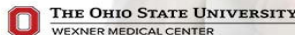


OBJECTIVES

At the conclusion of this activity, participants should be able to:

- Inform clinicians about the prevalence of central sleep apnea in patients with heart failure and atrial fibrillation.
- Update clinicians on treatment options and benefits of treatment.
- Improve the understanding of the techniques and skill needed for implantation of phrenic nerve stimulation systems.

New Tools for Electrophysiologists: The Treatment of Central Sleep Apnea in Heart Failure Patients

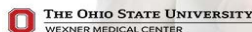


AGENDA

6 – 6:30 a.m.	Registration and Breakfast	6:55 – 7:10 a.m.	Innovative Solutions for the Treatment of Central Sleep Apnea Ralph Augostini, MD
6:30 – 6:35 a.m.	Welcome and Introduction Moderators: William Abraham, MD, and Jagmeet Singh, MD, DPhil	7:10 – 7:15 a.m.	Case Conclusion James Mann, MD
6:35 – 6:40 a.m.	Case Introduction James Mann, MD	7:15 – 7:30 a.m.	Interactive Question and Answer/Panel Discussion Panel: Ralph Augostini, MD, Sanjaya Gupta, MD, and James Mann, MD Moderators: William Abraham, MD, and Jagmeet Singh, MD, DPhil
6:40 – 6:55 a.m.	A Deadly Combination: Central Sleep Apnea and Heart Failure Sanjaya Gupta, MD		

Sponsored by The Ohio State University Wexner Medical Center in cooperation with The Ohio State University Heart and Vascular Center, Division of Cardiovascular Medicine

COURSE FACULTY



William Abraham, MD
Course Director
Professor of Medicine, Physiology and Cell Biology
Chair of Excellence in Cardiovascular Medicine
College of Medicine Distinguished Professor
Director, Division of Cardiovascular Medicine
The Ohio State University Wexner Medical Center



Jagmeet Singh, MD, DPhil
Professor of Medicine, Harvard Medical School
Associate Chief, Cardiology Division



Ralph Augostini, MD
Bob and Corrine Frick Chair in Cardiac Electrophysiology
Associate Professor of Medicine
Co-Director, Electrophysiology Training Program
The Ohio State University Wexner Medical Center

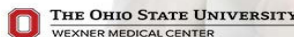


Sanjaya Gupta, MD
Saint Luke's Cardiovascular Consultant
Assistant Professor of Medicine
Division of Cardiology
University of Missouri-Kansas City



James Mann, MD
Cardiovascular Medicine Fellow
The Ohio State University Wexner Medical Center

New Tools for Electrophysiologists: The Treatment of Central Sleep Apnea in Heart Failure Patients

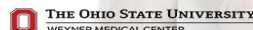


ACCREDITATION STATEMENT

The Ohio State University Center for Continuing Medical Education (CCME) is accredited by the Accreditation Council for Continuing Medical Education (ACCME®) to provide continuing medical education for physicians.

AMA CREDIT DESIGNATION STATEMENT

The Ohio State University Center for Continuing Medical Education designates this live activity for maximum of **1.0 AMA PRA Category 1 Credit(s)**[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.



ACCESSING YOUR CME CERTIFICATE

Printing your Continuing Medical Education (CME) certificate: Your certificate will be available on the Ohio State CME website in two weeks. Please visit ccme.osu.edu.

HAVING PROBLEMS PRINTING YOUR CME CERTIFICATE?

For assistance please contact:

Jon Hollett

Director, Continuing Medical Education
The Ohio State University Wexner Medical Center
614-257-3638
jon.hollett@osumc.edu

ACCESSING THE CLOUD FOR COURSE SYLLABUS AND SLIDES

1. Type go.osu.edu/CSA into your web browser (be sure to use capital letters where indicated).
2. Scroll down the conference information page to find the downloadable presentations.
3. Click on the Download button to access a presentation.

Why are we here?

Sleep apnea is common in heart disease patients, especially in those with heart failure or atrial fibrillation

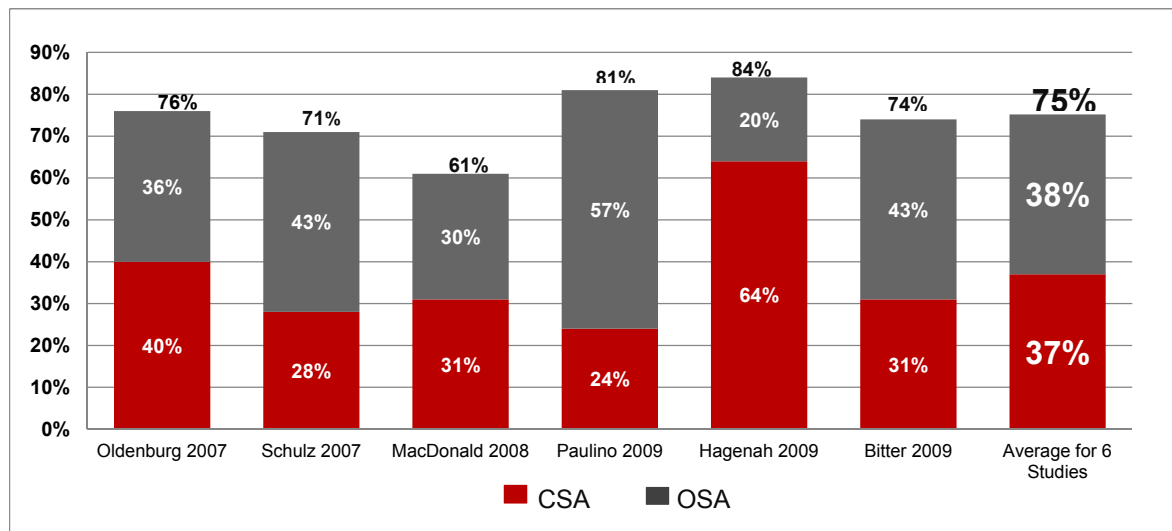
Poor prognostic indicator associated with increased morbidity and mortality

Impairs quality of life and functional capacity

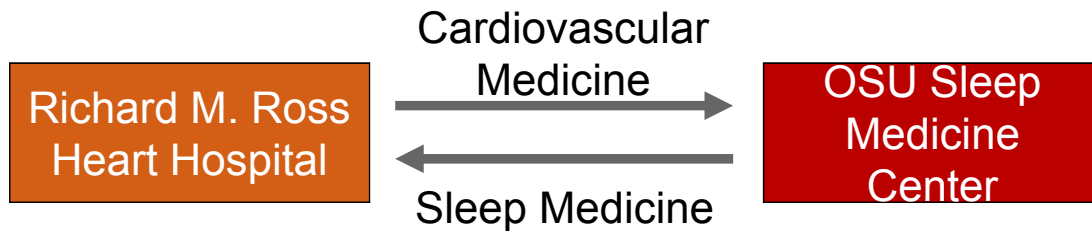
Stimulates neurohormonal vasoconstrictor activity

Associated with higher prevalence of atrial and ventricular arrhythmias and sudden cardiac death

Sleep Apnea is the Most Common Comorbidity in Heart Failure Patients



Ohio State's Integrated Sleep Heart-Program



Fully integrated clinical, research, and teaching program

Combined Sleep Medicine, Heart Failure, and Arrhythmia Clinics in the Ross Heart Hospital

Ability to evaluate inpatients and outpatients with screening, comprehensive testing, and integrated care, including novel device-based approaches to treatment

The Nation's First Fully-Integrated Center for Heart Failure and Arrhythmia

Transformational \$18m gift funds new Bob and Corrine Frick Center for Heart Failure and Arrhythmia

