



Annual YAHR LECTURE and Celebration of the Career of BERNARD COHEN, MD

THE VESTIBULAR, CEREBELLAR, AND SYMPATHETIC SYSTEMS: PAST AND FUTURE

Friday, April 13, 2018 9:00ам-6:00рм

Course Director BERNARD COHEN, MD

Professor Emeritus Department of Neurology

Course Co-Director JOANNA JEN, MD, PhD

Dr. Morris B. Bender Professor of Neurology Director, Division of Neuro-Otology and Neurogenetics Department of Neurology, Otolaryngology, and Neurosurgery

Icahn School of Medicine at Mount Sinai GOLDWURM AUDITORIUM

1425 Madison Avenue New York, NY

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Sponsored by Department of Neurology Icahn School of Medicine at Mount Sinai

PROGRAM DESCRIPTION

The interrelated functions of several systems that evolved hundreds of millions of years ago – the vestibular, cerebellar, sympathetic, and cardiovascular systems – have important clinical implications in modern neurology and neuro-otology. Operating largely out of consciousness, the vestibular system responds to head and body movement in any direction, stabilizes the head and body with regard to gravity in three-dimensional space, and maintains vital bodily functions through an interaction of vestibular-related components of the brainstem and cerebellum with the cardiovascular and sympathetic systems.

This symposium presents new basic data and clinical findings that have arisen over the first years of the 21st Century with regard to these systems and includes these broad topics:

- Fundamental vestibular, brainstem, and cerebellar science
- New approaches to vestibular diagnosis, pathology, and treatment
- - Investigations of the vestibular impact on the cardiovascular and sympathetic systems

WHO SHOULD ATTEND?

Neurologists, neuro-ophthalmologists, otolaryngologists, including residents and fellows.

LEARNING OBJECTIVES

- Discuss the relationship between eye movements and various neurologic conditions and how they may facilitate differential diagnose and management.
- Identify the impact of the vestibular system on sympathetic function.
- Create an appropriate management plan for patients with Mal de Debarquement Syndrome.

ACCREDITATION

The Icahn School of Medicine at Mount Sinai is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CREDIT DESIGNATION

The Icahn School of Medicine at Mount Sinai designates this live activity for a maximum of **8.5 AMA PRA Category 1 Credit(s)**[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

VERIFICATION OF ATTENDANCE

Verification of attendance will be provided to all professionals.

SPECIAL NEEDS

The Icahn School of Medicine at Mount Sinai is in full compliance with provisions of the Americans with Disabilities Act (ADA) and is accessible for individuals with special needs. If you would like to attend this conference and require any special needs or accommodations please contact the Page and William Black Post-Graduate School of Medicine at 212-731-7950.

FACULTY DISCLOSURE

It is the policy of Icahn School of Medicine at Mount Sinai to ensure objectivity, balance, independence, transparency, and scientific rigor in all CME-sponsored educational activities. All faculty participating in the planning or implementation of a sponsored activity are expected to disclose to the audience any relevant financial relationships and to assist in resolving any conflict of interest that may arise from the relationship. Presenters must also make a meaningful disclosure to the audience of their discussions of unlabeled or unapproved drugs or devices. This information will be available as part of the course materials.

MEETING LOCATION

Icahn School of Medicine at Mount Sinai 1425 Madison Avenue Goldwurm Auditorium New York, NY

PROGRAM

Friday, April 13, 2018 Goldwurm Auditorium, 1st floor of the Icahn Building, 98th Street and Madison Avenue

9:00-9:10am	Opening Remarks Barbara Vickrey, MD, MPH	
9:10-9:20	Semicircular Canal-Induced Eye Movements: A View from the Past Bernard Cohen, MD	
9:20-10:00	Yahr Lecture: Testing Semicircular Canal Function: from Pneumatic Hammer (1892) to Video Head Impulses (2009) G. Michael Halmagyi, BSC, MBBS, MD	l
10:00-10:30	Otolith-Induced cVEMPs and oVEMPs Ian Curthoys, PhD	3:(
10:30 -10:45	BREAK	
10:45-11:15	Prosthetic Restoration of Vestibulo- Ocular Reflexes - First-in-Human Results of Long-Term MVI™ Semicircular Canal Implant Stimulation Charles C. Della Santina, PhD, MD	3:3
11:15-11:45	A Model of Neurogenic Syncope Theodore Raphan, PhD	
11:45-12:10pm	Treatment of VasoVagal Syncope André Diedrich, MD, PhD	4:(4:2
12:10-1:30	Working Lunch with Residents Joanna Jen, MD, PhD	
1:30-2:00	Wernicke's Encephalopathy: A Window to Selective Vulnerability of the Neural Networks that Control Vertical Gaze David Zee, MD	4::
2:00-2:30	Controlling Blood Pressure Requires Inputs from Multiple Sensory Systems Bill J. Yates, PhD	5:2 5:1
2:30-3:00	Vestibulo-Sympathetic Reflex Pathways Gay Holstein, PhD	6:(



Bernard Cohen, MD with COSMOS Rotator

3:00-3:30	An Integrator for Vergence in the Pretectum Jean Buettner-Ennever, PhD Janet C. Rucker, MD	
3:30-3:45	Mal de Debarquement Syndrome: Treatment and Vestibular Source Mingjia Dai, PhD Sergei Yakushin, PhD	
3:45-4:05	Vestibulo-Cerebellar Basis of the Mal de Debarquement Syndrome Catherine Cho, MD	
4:05-4:20	BREAK	
4:20-4:50	How Cerebellar Motor Learning Keeps Saccades Accurate Albert Fuchs, PhD	
4:50-5:20	"Precision" Neuro-Otology: What Can We Learn about Vestibular Dysfunction by Measuring Behavioral Variability? Richard F. Lewis, MD	
5:20-5:50	Cerebellar Genetics Joanna Jen, MD, PhD	
5:50-6:00	Closing Remarks Bernard Cohen, MD	
6:00-8:00	RECEPTION	



ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI

BERNARD COHEN, MD

Professor Emeritus Department of Neurology

BARBARA VICKREY, MD, MPH

Henry P. and Georgette Goldschmidt Professor of Neurology System Chair Department of Neurology

JOANNA JEN, MD, PhD

Dr. Morris B. Bender Professor of Neurology Director, Division of Neuro-Otology and Neurogenetics Department of Neurology, Otolaryngology, and Neurosurgery

GAY HOLSTEIN, PhD

Associate Professor Department of Neurology, and Neuroscience

MINGJIA DAI, PhD

Assistant Professor Department of Neurology

SERGEI YAKUSHIN, PhD

Associate Professor Department of Neurology

VISITING FACULTY

JEAN BUETTNER-ENNEVER, PhD

Department of Anatomy Ludwig-Maximilian University Munich, Germany

CATHERINE CHO, MD

Clinical Associate Professor Department of Neurology, and Otolaryngology NYU Langone Medical Center New York, NY

IAN CURTHOYS, PhD

Emeritus Professor of Vestibular Function University of Sydney New South Wales, Australia

ANDRÉ DIEDRICH, MD, PhD

Research Professor of Medicine Adjunct Research Professor of Biomedical Engineering Autonomic Dysfunction Center Vanderbilt University Medical Center Nashville, TN

CHARLES C. DELLA SANTINA, PhD, MD

Professor Otolaryngology - Head & Neck Surgery, and Biomedical Engineering Director, Vestibular NeuroEngineering Lab Director, Johns Hopkins Listening Center (Cochlear Implant Program) Johns Hopkins School of Medicine Baltimore, MD

ALBERT FUCHS, PhD

Emeritus Professor Department of Physiology and Biophysics University of Washington Seattle, WA

G. MICHAEL HALMAGYI, BSC, MBBS, MD

Professor Department of Neurology Royal Prince Alfed Hospital Sydney, Australia

RICHARD F. LEWIS, MD

Associate Professor Department of Otolaryngology, and Neurology Harvard Medical School Director, Jenks Vestibular Physiology and Diagnostic Laboratories Massachusetts Eye and Ear Infirmary Boston, MA

THEODORE RAPHAN, PhD

Distinguished Professor Department of Computer and Information Science Brooklyn College and Graduate Center of City University of New York Brooklyn, NY

LAURENCE RETMAN YOUNG, SCD

Apollo Program Professor of Astronautics and Professor of Health Science and Technology Massachusetts Institute of Technology Boston, MA

JANET C. RUCKER, MD

Bernard A. and Charlotte Marden Professor Department of Neurology Professor, Department of Ophthalmology Division Director and Fellowship Director, Neuro-Ophthalmology NYU Langone Medical Center New York, NY

BILL YATES, PhD

Professor Otolaryngology, Neuroscience, and Clinical and Translational Science Co-Director, Research Conduct and Compliance Office Vice-Chair, School of Medicine Curriculum Committee University of Pittsburgh Pittsburgh, PA Editor-in-Chief, Journal of Neurophysiology

DAVID ZEE, PhD

Professor Department of Neurology Johns Hopkins University School of Medicine Baltimore, MD





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There is no registration fee for this event, but you must register to attend. (Mount Sinai Neurology faculty: please do not register below if you are attending Grand Rounds only. For Grand Rounds only you will sign in as usual and receive one-hour of CME credit.)

Two Ways to Register:

□ Online: https://mssm.cloud-cme.com

Mail: this form to:

Icahn School of Medicine at Mount Sinai The Page and William Black Post-Graduate School One Gustave L. Levy Place, Box 1193 New York, NY 10029

LAST NAME	FIRST NAME	DEGREE
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CITY	STATE	ZIP
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INSTITUTION/AFFILIATION		SPECIALTY

Cancellation Policy: All cancellation requests must be emailed to the CME Office at cme@mssm.edu by April 6, 2018.

For Conference Information: Email: cme@mssm.edu or call the Office of CME at 212-731-7950