

# **Third International Symposium on Cyclic Vomiting Syndrome and Cannabinoid Hyperemesis**

**Date:** November 4<sup>th</sup> and 5<sup>th</sup>, 2022

**Location of meeting:** The Ohio State University Wexner Medical Center  
Columbus, Ohio.

## **Friday - November 4<sup>th</sup>, 2022: Day 1**

**7:00-8:00:** Continental Breakfast/Registration

**8:00-8:05:** Welcome Remarks - Rama Mallampalli, MD, The Ohio State University, Chair of Medicine

**8:05-8:10:** Special Guest Appearance - Chandra Wilson, CVS Caregiver, Actor and CVSA spokesperson

**8:10-8:20:** CVS Landscape and Conference Format - Thangam Venkatesan, MD, The Ohio State University

**8:20-8:30:** Brief History of CVS - B U.K Li, Medical College of Wisconsin

**8:30-8:40:** CVSA Mission and Future Goals - Blynda Killian, President, CVSA

### **Keynote Presentation and Q & A**

**8:45-9:30:** Polyvagal Theory and Disorders of Gut-Brain Interaction - Stephen Porges, PhD, Indiana University

### **Session 1: Clinical Phenotypes, Outcomes, and Patient Perspective**

Moderators: Carlo DiLorenzo, MD, Nationwide Children's Hospital and Robert Issenman, MD, McMaster University

**9:30-9:45:** Patient Perspective on CVS - Kathleen Adams, Founder and President Emeritus, CVSA

**9:45-10:00:** Epidemiology of CVS in Children and Adults - Aravind Thavamani, MD, Case Western University

**10:00-10:15:** Clinical Features and Sub-phenotypes: Pediatric vs. Adult Onset - B U.K. Li, MD, Medical College of Wisconsin

**10:15-10:30:** Disparities in Outcomes in CVS - Rosita Frazier, MD, Mayo Clinic Arizona

**10:30-10:45:** Q&A session

**10:45-11:00:** Break

### **Session 2: Migraine and CVS**

Moderators: Yacob Desale, MD, Nationwide Children's Hospital and Jacek Kolacz, PhD, Indiana University

**11:00-11:15:** Pathophysiology of Migraine and CGRP Receptors - Larry Charleston IV, MD, MSc, Michigan State University

**11:15-11:30:** Migraine Equivalents (Abdominal Migraine) and CVS: Distinct? - Amy Gelfand, MD, University of California San Francisco

**11:30-11:45:** Evidence Based Review of Antimigraine Therapy - Kaitlin Greene, MD, Oregon Health and Science University

**11:45-12:00:** Q&A session

**12:00-1:00: Poster Session/Lunch**

### **Session 3: Cannabinoid Hyperemesis Syndrome**

Moderators: Bill Hasler, MD, Mayo Clinic, and Thangam Venkatesan, MD, The Ohio State University

**1:00-1:30:** Endocannabinoid System in Stress and Anxiety - Cecilia Hillard, MD, Medical College of Wisconsin

**1:30-1:50:** Endocannabinoid System in Nausea and Emesis - Marieka Devuono, MD, University of Guelph, Canada

**1:50-2:10:** Cannabis Use Patterns in the U.S. - Omayma Alshaarawy, MD, Michigan State University

**2:10-2:30:** CHS: Epidemiology and Treatment - William Hasler, MD, Mayo clinic, Arizona

**2:30-2:50:** Is CHS Distinct from CVS? - Thangam Venkatesan, MD, The Ohio State University

**2:50-3:00:** Q&A

**3:00-3:15: Break**

### **Session 4: Clinical Overlap with CVS**

Moderators: Katja Kovacic, MD, Stanford University and Yacob Desale, MD, Nationwide Children's Hospital

**3:15-3:35:** Gastric Emptying: Fast or Slow, Overlap with Gastroparesis - Bill Hasler, MD, Mayo Clinic, Arizona

**3:35-3:55:** Evolution of CVS into a Coalescent Phase and Chronic Functional Nausea - Katja Kovacic, MD, Medical College of Wisconsin

**3:55-4:05: Q&A**

**4:15: Group Photo**

**5:00-7:00: Travel Award Ceremony and Group Dinner**

## **Saturday-November 5<sup>th</sup>, 2022: Day 2**

### **Pathophysiology Session 1**

Moderators: David Levinthal, MD, PhD, University of Pittsburgh, and Charles Horn, PhD, University of Pittsburgh

**8:00-8:20:** Mechanisms of Emesis - Charles Horn, PhD, University of Pittsburgh

**8:20-8:40:** Central Modulation of Autonomic Function Measured by Functional MRI - Brad Kuo, MD, Harvard University

**8:40-9:00:** Influencing Brain-to-Gut pathways: Modulation of Gastric Myoelectrical Activity via Transcranial Magnetic Stimulation - - David Levinthal, MD, PhD, University of Pittsburgh

**9:00-9:20:** Sleep Cycles and Disturbed Sleep in Migraines- Angeliki Vgontzas, MD, Brigham and Women's Hospital (VIRTUAL)

**9:20-9:40:** Q&A

## **Pathophysiology Session 2**

Moderator: William Hasler, MD, Mayo Clinic, and Gokulakrishnan Balasubramanian, MD, The Ohio State University

**9:40-10:00:** Stress and the Gut - Miranda van Tilburg, PhD, University of North Carolina

**10:00-10:20:** Gut-brain and Microbiota - Premysl Berčik MD, McMaster's University, Canada

**10:20-10:40:** Multichannel EGG Assessment of Gastric Function - David Kunkel, MD, University of California-San Diego

**10:40-11:00:** Assessment of Autonomic Nervous System Function - Jacek Kolacz, PhD, Indiana University

**11:00-11:15:** Q&A

**11:15-12:15: Poster Session/Lunch**

## **Treatment Session 1**

Moderators: B Li, MD, Medical College of Wisconsin, Rosita Frazier, MD, Mayo Clinic, and Jose Maria Remes-Troche, MD, Universidad Veracruzana, Veracruz, Mexico.

**12:15-12:35:** Patient Severity Scale and Patient-Reported Outcomes for CVS - Juliette Chen, PhD, Takeda Pharmaceuticals

**12:35-12:55:** Summary of Adult Guidelines, 2019 - Thangam Venkatesan, MD, The Ohio State University

**12:55-1:15:** Summary of 2008 Pediatric Guidelines and Update in Progress - Katja Kovacic, MD, Medical College of Wisconsin

**1:15-1:35:** Home and ED Intervention during Acute CVS Episodes - Robert Issenman, MD, McMaster's University

**1:35-1:50:** Q&A

## **Treatment Session 2**

Moderators: Robert Issenman, MD, McMaster's University

**1:50-2:10:** Neuromodulation Therapy in CVS - Katja Kovacic, MD, Medical College of Wisconsin

**2:10-2:30:** Stress Reduction, CBT, and Meditation in CVS - Sally Tarbell, MD, Northwestern University

**2:30-2:50:** Use of Action Plans in CVS - John Rosen, MD University of Missouri

**2:50-3:05** Q&A

## Summary

Moderator: B Li, MD, Medical College of Wisconsin

**3:05-3:20:** Summary, Research Priorities, Registries and Next Steps - Thangam Venkatesan, MD, The Ohio State University

**3:20-3:30:** Closing Remarks – B.U. K Li