

## Sixth GenTAC Aortic Summit

Ann Arbor, MI  
October 10-11, 2020

### Saturday, October 10, 2020

**7:30 am** Continental Breakfast

**7:50 am** Opening Remarks  
*Kim Eagle, MD*

#### **SESSION I: NON-MARFAN FAMILIAL THORACIC & EARLY ONSET AORTIC CONDITIONS**

**8:00 am** A Patient's Story  
*Dan Brown*

**8:20 am** Current Status of Familial Genetic Causes: Lessons from Montalcino  
*Dianna Milewicz, MD, PhD, UT Health McGovern Medical School*

**8:40 am** Current Status of Genetic Testing in Acute Aortic Dissection  
*Bo Yang, MD, University of Michigan, MI*

**9:00 am** Surgical "Cut Points" in Familial Aortopathy  
*Joseph Coselli, MD, Baylor College of Medicine, TX*

**9:20 am** Transdifferentiation of Fibroblasts  
*Eugene Chen, MD, PhD, University of Michigan, MI*

**9:40 am** How to Manage Patients and Families: Addressing Life Style and Fears  
*Alan Braverman, MD, Washington University School of Medicine, MO*

**10:00 am** Imaging "Biomarkers" – Are We There Yet?  
*Shaine Morris, MD, Texas Children Hospital, Baylor College of Medicine, TX*

**10:20 am** Break

#### **SESSION II: MARFAN SYNDROME: THE LATEST**

**10:40 am** A Patient's Story  
*Leslie Melove*

- 11:00 am**      Pregnancy and Marfan Syndrome – Basic Mechanisms  
*Jennifer Habashi, MD, Johns Hopkins University, MD*
- 11:20 am**      Pregnancy and Marfan Syndrome: Clinical Reasoning  
*Mary Roman, MD, Weill Cornell Medicine, NY*
- 11:40 am**      Medical Treatment of Marfan Syndrome  
*Marion Hofmann-Bowman, MD, PhD, University of Michigan, MI*
- 12:00 pm**      Imaging Marfan Patients – When and How?  
*Jonathon Weinsaft, MD, Weill Cornell Medicine, NY*
- 12:20 pm**      Use of Calcium Blockers and Fluoroquinolones – What do we Really Know?  
*Scott LeMaire, MD, Texas Heart Institute, Baylor College of Medicine, TX*
- 12:40 pm**      Operating on Diseased Aortas – Geometry, Genetics, and Patience  
*Thomas Gleason, MD, University of Pittsburgh Medical Center, PA*
- 1:00-2:30 pm**    Lunch  
General Audience including Senior Scientists rotate every 15 minutes  
GenTAC Alliance Working Group Breakouts

### **SESSION III: TURNER SYNDROME**

- 2:30 pm**      A Patient's Story  
*Lisa Mawson*
- 2:50 pm**      Genetics of Turner Syndrome Aortopathy  
*Cheryl Maslen, PhD, Oregon Health & Science University, OR*
- 3:10 pm**      Incidence, Management and Outcomes of Turner Aortopathy and Aortic Valve Disease  
*Michael Silberbach, MD, Oregon Health & Science University, OR*
- 3:30 pm**      Pearls in Managing Patients and Families  
*Aaron Dorfman, MD, Children's Hospital of Philadelphia, PA*

### **SESSION IV: BICUSPID AORTOPATHY AND RELATED AORTIC VALVE DISEASE**

- 3:50 pm**      A Patient Perspective  
*Reed Pyeritz, MD, University of Pennsylvania, PA*
- 4:10 pm**      The Current State: Genetics of BAV  
*Siddharth Prakash, MD, UT Health McGovern Medical School, TX*

- 4:30 pm** Surgical Reasoning in BAV Patients  
*Thor Sundt, MD, Massachusetts General Hospital, MA*
- 4:50 pm** Mouse Models of BAV  
*Mona Nemer, PhD, University of Montreal*
- 5:10 pm** Medical Treatment and Follow-up in BAV – Evidence Based Practice  
*Richard Devereux, MD, Weill Cornell School of Medicine, NY*
- 5:30 pm** Moderated Poster Session
- 7:00 pm** Gala Dinner – Hosted by the National Marfan Foundation

### Sunday, October 11, 2020

- 7:30 am** Continental Breakfast

#### **SESSION V: VASCULAR EHLERS-DANLOS SYNDROME**

- 8:00 am** A Patient Story  
*Shani Weber*
- 8:20 am** The Current Status – Genes to Phenotype  
*Peter Byers, MD, University of Washington, WA*
- 8:40 am** Surgical Interventions in Ehlers-Danlos & Patient Centers Research Networks – How to Organize?  
*Sherene Shalhub, MD, Washington University, WA*
- 9:10 am** Break

#### **SESSION VI: ACUTE AND CHRONIC AORTIC SYNDROMES: FROM BEDSIDE TO BENCH & BACK**

- 9:30 am** Acute Dissection – Current State  
*Kim Eagle, MD, University of Michigan, MI*
- 9:50am** Chronic Aortic Aneurysms – When to Operate?  
*Leonard Girardi, MD, Weill Cornell Medicine, NY*
- 10:10 am** Biomechanics  
*Jay Humphrey, MD, Yale School of Medicine, CT*

- 10:30 am** TGF Beta Signaling  
*David Dichek, MD, University of Washington, WA*
- 10:50 am** Using Therapeutic and Genetic Manipulation to Identify Cell-Specific Pathways Contributing to Thoracic Aortic Aneurysms and Dissections in Mice  
*Francesco Ramirez, PhD, Mount Sinai, NY*
- 11:10 am** Surgical Reasoning in Marfan Patients  
*D. Craig Miller, MD, Stanford University, CA*
- 11:30 am** Endograft Therapy – When and How?!  
*Himanshu Patel, MD, University of Michigan, MI*
- 11:50 am** Pick up box lunches

**SESSION VII: MY MOST IMPORTANT OBSERVATIONS IN THE PAST TWO YEARS AND HOW TO GO FORWARD WITH APPROACHES FOR STUDY DESIGN: A PANEL DISCUSSION**

**12:00-1:00 pm**

- IRAD
- Montalcino
- BAVCON
- EDS-PCORI
- Turners
- European Vascular Network
- Marfan-Back Pack