

**Earl E. Bakken Symposium 2019**  
**Update on Surgical Aortic Disease**

**Location: DoubleTree by Hilton, University of Minnesota, Minneapolis**

**Date: November 8, 2019**

**Course Directors: Rochus K. Voeller MD and Paul Iaizzo, PhD**

7:15 Registration and Breakfast

7:45 Welcome and Introductions:

**Sayed Ikramuddin, MD., MHA**, Jay Phillips Professor and Chair, Department of Surgery, University of Minnesota

**Paul Iaizzo, PhD**, Course Co-Director, Professor, Department of Surgery, Associate Director for the Institute for Engineering in Medicine, Medtronic Professor for Visible Heart Research, University of Minnesota  
*Remembering Earl E. Bakken*

**Sara Shumway, MD**, Professor, Division of Cardiothoracic Surgery, University of Minnesota  
*Remembering Herbert B. Ward*

**8:00 Opening Keynote Lecture:**

**Rochus K. Voeller MD**, Assistant Professor, Cardiothoracic Surgery, Co-Director of the Aortic Center, University of Minnesota  
*"History of Aortic Surgery and Establishment of Aortic Center at the University of Minnesota Medical Center"*

**Session 1 – Pathophysiology of Aortic Disease and Imaging**

**Moderator: Christina Fanola, MD**

Assistant Professor, Department of Medicine, Cardiovascular Division  
University of Minnesota

8:35 **Christina Fanola, MD**, Assistant Professor, Department of Medicine, Cardiovascular Division, University of Minnesota

*"Introduction to Syndromic Aortopathies and Role of Genetic Screening"*

9:00 **Kimara March, MD, MS**  
Interventional Cardiology, University of Minnesota Health Heart Care  
*"Aortopathy in Congenital Heart Disease"*

9:25 **Reza Talaie, MD**  
Assistant Professor, Interventional Radiology, University of Minnesota  
*"Imaging Modalities Used in the Management of Aortic Disease"*

9:50           **Refreshment Break**

## **Session 2 – Aortic Aneurysms**

Moderator: **Amy Reed, MD**, Professor and Chief, Vascular Surgery, University of Minnesota  
Director of Vascular Services, M Health Fairview; Co-Director of the Aortic Center,  
University of Minnesota

10:10 Keynote: **Patrick Kelly, MD**, Vascular Surgeon, Director of Sanford Vascular Services,  
Sanford Medical Center, Sioux Falls, SD  
*"The Development of Endovascular Branched Grafts to Treat Thoracoabdominal  
Aneurysms"*

10:45 **Stephen J. Huddleston, MD, PhD**, Assistant Professor, Division of Cardiothoracic  
Surgery, Surgical Director of Lung Transplantation, University of Minnesota  
*"Aortic Root and Ascending Aortic Aneurysms: Open Surgical Repair"*

11:10 **Amy Reed, MD**, Professor and Chief, Vascular Surgery, University of Minnesota  
Director of Vascular Services, M Health Fairview; Co-Director of the Aortic Center,  
University of Minnesota  
*"Update on TEVAR for Descending Aortic Aneurysms"*

11:35 Keynote: **Karim S. Bandali, PhD**, Vice President, Global Marketing & Service, Cardiac  
Surgery, Medtronic Plc, Coronary Structural Heart  
*"Advances in Cardiac Surgical Devices"*

12:10-1:00   **Lunch Break**

### Session 3 – Aortic Dissections

Moderator: **Rochus K. Voeller MD**, Assistant Professor, Cardiothoracic Surgery,  
Co-Director of the Aortic Center, University of Minnesota

1:00 **Matthew R. Soule, MD**, Assistant Professor, Cardiothoracic Surgery,  
University of Minnesota  
*“The Standard Hemiarch Repair: Various Perfusion and Cerebral Protection Strategies”*

1:25 **Andrew W. Shaffer, MD**, Assistant Professor of Surgery, Cardiothoracic Surgery,  
University of Minnesota  
*“Is There a Role for Extended Type A Aortic Dissection Repair?”*

1:50 **James Valentine, MD**, Professor of Surgery, Vascular Surgery, University of Minnesota  
*“Type B aortic dissection: should we be more aggressive with pre-emptive TEVAR?”*

2:15 **Victor Barocas, MS, PhD**, Professor of Biomedical Engineering, College of Science and  
Engineering Distinguished Professor, University of Minnesota  
*“Can Computer Modeling be Applied to Predict an Aortic Dissection in a Patient?”*

2:40 **Refreshment Break**

3:00 **Kaiyan Qiu, PhD**, Post-Doctoral Associate, and **Ghazaleh Haghiashtiani**, Research  
Assistant, Mechanical Engineering, University of Minnesota  
*“3D printed models of the Aortic Valve”*

3:25 **Massimo Griselli, MD, MS, FRCS**, Professor and Chief, Pediatric Cardiac Surgery,  
University of Minnesota  
*“Is there a role for Ross Procedure beyond the childhood?”*

#### **3:50 Dr. Yoshio Sako Named Lecture**

**Marc R. Moon, MD**, John M Shoenberg Chair in Cardiovascular Disease,  
Chief, Section of Cardiac Surgery,  
Director, Center for Diseases of the Thoracic Aorta  
Program Director, Thoracic Surgery Residency,  
Washington University School of Medicine, St. Louis, MO  
President-Elect, American Association for Thoracic Surgery  
*“Ongoing Debates on How to Repair Acute Type A Aortic Dissections: Is There a Simple Answer?”*

4:30 **ADJOURN**