

## 81st American Diabetes Association Annual Conference

### Research Presentations

#### Symposium

**SGLT2is and GLP-1Ras — Are They Worth It? (Includes Live Video Question and Answer Period)**

**FRIDAY, JUNE 25, 2021: 4 - 6 p.m.**

*Theme Area: Clinical Diabetes/Therapeutics*

4:45 - 5:15 p.m.      SGLT2is and GLP-1RAs—What Are the Costs and Cost-Effectiveness?

*HUI SHAO, M.D., Ph.D.*

#### Oral Presentations

**Health Economics and Cost-Effectiveness of Diabetes Prevention and Treatment  
(With ADA Presidents' Select Abstract Presentation)**

**SUNDAY, JUNE 27, 2021: 8 - 9:45 a.m.**

*Theme Area: Clinical Diabetes/Therapeutics*

8 - 8:15 a.m.      ADA Presidents' Select Abstract Presentation: Potential Gains in Life Expectancy (LE)  
Associated with Achieving Treatment Goals in People with Type 2 Diabetes  
(T2D) in the U.S.

*HAMED KIANMEHR, PING ZHANG, MEDA E. PAVKOV, KAI M. BULLARD, VIVIAN  
FONSECA, LIZHENG SHI, HUI SHAO*

8 - 8:30 a.m.      Projected Impact of the Medicare Part D Senior Savings Model (SSM) on Diabetes-  
Related Health and Economic Outcomes among Insulin Users Covered by  
Medicare

*HUI SHAO, HAMED KIANMEHR, LIZHENG SHI, VIVIAN FONSECA, JOSHUA D.  
BROWN*

8 - 8:45 a.m.      Selecting Intervention Population for Lifestyle Program for Type 2 Diabetes  
Prevention (LPT2DP): A Cost-Effectiveness Perspective

*JOOHYUN PARK, PING ZHANG, HUI SHAO, MICHAEL LAXY, GIUSEPPINA  
IMPERATORE*



9 - 9:45 a.m.      A New Type 2 Diabetes Microsimulation Model to Estimate Long-Term Health Outcomes, Costs, and Cost-Effectiveness

*THOMAS J. HOERGER, RAINER HILSCHER, SIMON NEUWAHL, YILING J. CHENG, STEPHEN R. BENOIT, HUI SHAO, MICHAEL LAXY, WENYA YANG, INNA CINTINA, MATTHEW KAUFMANN, HAIYING CHEN, ANDREA M. ANDERSON, LISA R. STAIMEZ, K.M. VENKAT NARAYAN, PING ZHANG*

## Diabetes and Heart Failure

**MONDAY, JUNE 28, 2021: 8 - 10 a.m.**

*Theme Area: Acute and Chronic Complications*

8 - 8:15 a.m.      Comparing Cardiovascular Benefits between GLP-1RA and SGLT2i as an Add-On to Metformin among U.S. Adults with Type 2 Diabetes (T2D)

*CHRISTINA E. DEREMER, JINGCHUAN GUO, SCOTT M. VOURI, MICHAEL J. HALLER, WILLIAM T. DONAHOO, ALMUT G. WINTERSTEIN, HUI SHAO*

8 - 8:30 a.m.      A Machine Learning Approach Identifies Modulators of Congestive Heart Failure Hospitalization Prevention among Patients with Type 2 Diabetes: A Revisit to the ACCORD Trial

*HAMED KIANMEHR, JINGCHUAN GUO, LIZHENG SHI, VIVIAN FONSECA, HUI SHAO*

## Improvement in Quality of Care in Vulnerable Populations with Diabetes

**MONDAY, JUNE 28, 2021: 4:30 - 6:30 p.m.**

*Theme Area: Clinical Diabetes/Therapeutics*

5:45 - 6 p.m.      Racial/Ethnic and Geographic Variation in the Initiation of Antidiabetic Therapies in Medicare Enrollees with Newly Diagnosed Type 2 Diabetes (T2D)

*YUJIA LI, JINGCHUAN GUO, NICO GABRIEL, SANDRA L. KANE-GILL, UTIBE ESSIEN, FREDERICO TOLEDO, INMACULADA HERNANDEZ*

6 - 6:15 p.m.      Trends in Racial and Ethnic Difference in Glucose-Lowering Medication (GLM) Use, Out of Pocket (OOP) Payment, and HbA1c Control in U.S. Adults with Diabetes, 2005-2018

*PIAOPIAO LI, DAWEI GUAN, JINGCHUAN GUO, ALMUT G. WINTERSTEIN, PING ZHANG, HUI SHAO*



## Posters

- 360-P A Risk Score to Predict Incident Heart Failure among Patients with Type 2 Diabetes Mellitus  
*YILU LIN, HUI SHAO, VIVIAN FONSECA, LIZHENG SHI*
- 364-P Efficacy of IGlaxLixi on Five-Year Risk of Diabetes-Related Complications: A Simulation Experiment  
*HUI SHAO, HAMED KIANMEHR, PIAOPIAO LI, VIVIAN FONSECA, LIZHENG SHI*
- 782-P Machine Learning to Identify Diabetes Patients Initiating SGLT2i at High-Risk of Acute Kidney Injury  
*LANTING YANG, NICO GABRIEL, INMACULADA HERNANDEZ, ALMUT G. WINTERSTEIN, STEPHEN KIMMEL, JINGCHUAN GUO*
- 810-P The Diminishing Cost-Effectiveness of the Newer Glucose-Lowering Drugs in the United States, 2010-2018  
*PIAOPIAO LI, RAHUL S. PATEL, SCOTT M. VOURI, LIZHENG SHI, VIVIAN FONSECA, HUI SHAO*
- 980-P Existing Microvascular Complications and Risk of Subsequent Heart Failure (HF) in Type 1 Diabetes (T1D)  
*JINGCHUAN GUO, TINA COSTACOU, RACHEL G. MILLER, TREVOR J. ORCHARD*
- 1015-P Cost of Diabetes Complications in U.S. Adults Aged 65 Years or Older  
*YU WANG, PING ZHANG, HUI SHAO, LINDA J. ANDES, GIUSEPPINA IMPERATORE, Gainesville, FL, Atlanta, GA*
- 1107-P Trends of First-Line Antidiabetic Treatment among 2007-2017 Medicare Beneficiaries Newly Diagnosed with Type 2 Diabetes (T2D) and Their Determinants  
*YUJIA LI, INMACULADA HERNANDEZ, NICO GABRIEL, SANDRA L. KANE-GILL, UTIBE ESSIEN, FREDERICO TOLEDO, JINGCHUAN GUO*

