



3rd Annual

HEART in DIABETES

Where the Heart, Kidney and Diabetes Meet in Clinical Practice

July 12–14, 2019

Loews Philadelphia Hotel



www.HEARTinDIABETES.com

Jointly Provided By:



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Dear Friends & Colleagues,

We would like to invite you to join us for the 3rd Annual Heart in Diabetes (HiD) Medical Conference. Following the incredible success of the initial two HiD meetings, along with encouragement from participants and combined with overabundance of new data, planning for the 3rd Heart in Diabetes is underway. The Conference will be held July 12-14, 2019, at the Loews Philadelphia Hotel (1200 Market St, Philadelphia, PA 19107).

This CME program is a unique medical conference designed to evaluate state-of-the-art clinical research outcomes on heart and kidney disease in diabetes and its implications for clinical practice. HiD will bring together world-renowned clinical leaders in diabetes and CVD, CKD and the liver to develop a multi-disciplinary, comprehensive understanding of the impact of new clinical science on the management of cardiometabolic conditions. The goal is to help cardiologists, endocrinologists, lipidologists, nephrologists, hepatologists and Primary Care Experts align their goals and management approaches to provide best practices for high-risk patients.

Recent trials have demonstrated a cardiovascular benefit from agents that control glycemia, lipids, blood pressure, and inflammation in people with diabetes. However, among practicing

professionals, including experts in the field, there is a gap in understanding the implications of these new developments and their impact on disease management.

The meeting provides up-to-date clinical science of the Heart in Diabetes by providing multidisciplinary outcome data and its implications for practice by evaluating data from the cardiology, endocrine/diabetes, and kidney points of view. Sessions will cover data and management of lipids, glucose, coronary syndromes, congestive heart failure, the kidney, coagulation, arrhythmia, other related conditions, while evaluating the relevance of society guidelines. The meeting will promote discussions through panels and debates and, for the first time this year, HiD will showcase abstracts which will be published in Clinical Cardiology.

If you are a cardiologist, endocrinologist, nephrologist, diabetologist, lipidologist, internist, or a clinician with an interest in the science of the Heart in Diabetes, this meeting is for you! We personally invite you to join us in this exciting endeavor. Please also consider submitting an abstract.

Please register today! Do not hesitate to contact us with any questions. We look forward to seeing you in Philadelphia in July!

Thank you,



Yehuda Handelsman, MD, FACP, FNLA, FASPC, MACE



Mikhail N. Kosiborod, MD, FACC, FAHA

Heart in Diabetes (HiD) Scientific Committee

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Kansas City, Missouri

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Baltimore, Maryland



PROGRAM DESCRIPTION:

This CME conference is a unique medical meeting that brings world-renowned clinical leaders in diabetes and cardiovascular disease together with practicing clinicians to improve the care of patients at high risk of cardiovascular, metabolic, and kidney diseases. At HiD, experts and clinicians explore the state-of-the-art in clinical science of the Heart in Diabetes, with in-depth examination of the latest evidence from clinical trials on lipid disorders, glucose abnormalities, congestive heart failure, atherosclerosis, vascular disease, kidney disease, coagulation abnormalities, arrhythmia, and related conditions to understand their implications on practice.

PROGRAM OBJECTIVES:

Upon completion of this meeting, participants should be able to:

- Provide comprehensive management of diabetes, addressing obesity, hypertension, dyslipidemia, and hyperglycemia
- Evaluate the relationship between diabetes, the heart, and the kidney- the cardiorenal syndrome
- Evaluate the extent of vascular disease in diabetes and cardiometabolic conditions
- Provide management recommendations of cardiovascular conditions, in DM and Obesity
- Evaluate the impact on clinical practice of new cardiovascular outcome trials in patients with diabetes
- Discuss the role of incretins in the management of obesity, diabetes, and their complications
- Compare and contrast changes in lipid management guidelines: ACC/AHA vs AACE
- Evaluate the evidence supporting the use of SGLT2 inhibitors and GLP1-ras to reduce cardiovascular mortality in patients with T2D
- Describe the mechanism of action of SGLT2 inhibitors, GLP1-ras and EPA in reducing adverse cardiovascular outcomes
- Evaluate the extent of CVD and CKD in diabetes and obesity
- Describe the role of PCSK9i in lipid elevations and impact on CVD, addressing the role in women
- Explain the relationship between diabetes, obesity, and congestive heart failure- focus on HFpEF and potential management
- Discuss the role of SGLT2 inhibitors in the management of diabetes and obesity addressing their complications
- Recognize the role of the liver, fatty liver disease, and NASH in the development of CVD in diabetes
- Describe changes in the epidemiology of cardiovascular and kidney disease in people with diabetes and obesity
- Appropriately diagnose and treat hypercoagulation and thrombosis as consequences of insulin resistance, inflammation, and diabetes
- Evaluate the proper administration of antiplatelet and anticoagulation agents in the management of the high-risk patient
- Acquire tools to understand how new agents impact CVD in DM to be able to consider SGLT2i vs GLP1-ras vs PCSK9i vs EPA in people with DM and established CVD.

TARGET AUDIENCE

Cardiologists, endocrinologists, nephrologists, diabetologists, lipidologists, internists, family clinicians, and other professionals who are interested in the Heart in Diabetes.

HEART IN DIABETES PROGRAM COMMITTEE

Yehuda Handelsman, MD, Chair • Mikhail N. Kosiborod, MD, Chair • Deepak Bhatt, MD • Zachary T. Bloomgarden, MD • Matthew J. Budoff, MD • Javed Butler, MD • David Cherney, MD, PhD • Robert J. Chilton, DO • Michael H. Davidson, MD • Ralph A. DeFronzo, MD • Daniel Einhorn, MD • Michael E. Farkouh, MD • Sergio Fazio, MD, PhD • Vivian A. Fonseca, MD • Alan J. Garber, MD, PhD • Peter J. Grant, MD • George Grunberger, MD • Silvio E. Inzucchi, MD • Lawrence A. Leiter, MDCM • Norman E. Lepor, MD • Derek LeRoith, MD, PhD • Christos S. Mantzoros, MD, DSc, PhD • Nikolaus Marx, MD • Darren K. McGuire, MD • Kausik Ray, MD • Matthew R. Weir, MD • Renee S. Asp, BS

The HiD Scientific Committee Gratefully Acknowledges the Unrestricted Educational Grants of
Premier Educator: **ASTRAZENECA** • Leader Educator: **MERCK**
Major Educator: **NOVO NORDISK** • Educator: **AMARIN**

PROGRAM 2019

FRIDAY JULY 12, 2019

9:00am – 1:00pm

Pre-Registration

1:00pm – 2:00pm

EXHIBIT HALL OPEN/WELCOME RECEPTION

2:00pm – 2:10pm

Welcome & Introduction

Yehuda Handelsman, MD • Mikhail N. Kosiborod, MD

2:10pm – 2:20pm

Pre-CME Questions

SESSION 1

DIABETES & ATHEROSCLEROSIS

Chairs: Norman E. Lepor, MD • Silvio E. Inzucchi, MD

2:20pm – 2:40pm

Is Inflammation Causal for both Atherosclerotic and Non-Atherosclerotic CV events in Diabetes?

Michael H. Davidson, MD

2:40pm – 3:00pm

Effects of Glucose Variation on Vascular Disease Outcomes in ACCORD and the VADT

Peter Reaven, MD

3:00pm – 3:20pm

Coronary Atherosclerosis in DM

Matthew J. Budoff, MD

3:20pm – 3:35pm

Q+A Panel Discussion

3:35PM – 4:10PM

AWARD PRESENTATION “Luminary in Cardiometabolic Medicine”

Presented By: Michael E. Farkouh, MD • Yehuda Handelsman, MD • Mikhail N. Kosiborod, MD

Subclinical Arterial Disease: Imaging, Genetics, and Behavior

Valentin Fuster, MD, PhD



KEY NOTE

4:10pm – 4:30pm

Big Data and Health

Michael Snyder, PhD

4:30PM - 5:00PM

REFRESHMENT BREAK AT EXHIBIT HALL

SESSION 2

HEART IN DIABETES WITH CIRCULATION

Chair: Darren K. McGuire, MD, MHSc

5:00pm – 5:10pm

Introduction

Darren K. McGuire, MD, MHSc

5:10pm – 5:25pm

Effects of SGLT2i on Hemoglobin/Hematocrit

Shinichi Goto, MD, PhD

5:25pm – 5:40pm

Metformin in Youth With Type 1 Diabetes Mellitus

Jane E.B. Reusch, MD

5:40pm – 5:55pm

Once-Weekly Exenatide in Patients With Pre-existing Cardiovascular Disease

Robert J. Mentz, MD

5:55pm – 6:10pm

Effects of Ezetimibe in Patients with Diabetes: Results From IMPROVE-IT

Robert P. Giugliano, MD

6:10pm – 6:25pm

Heart Failure Considerations of Antihyperglycemic Therapies

Muthiah Vaduganathan, MD, MPH

6:25pm – 6:30pm

Wrap-up/Ask the Editor

Darren K. McGuire, MD, MHSc

SESSION 3

CARDIABETES – A SPECIALTY?

Chairs: Mikhail N. Kosiborod, MD • Robert J. Chilton, DO

6:30pm – 6:50pm

Cardiometabolic Medicine: Time for a New Subspecialty

Robert H. Eckel, MD

6:50pm – 7:10pm

Expert in Cardiabetes Should be Preventive Cardiologist

Sergio Fazio, MD, PhD

7:10pm – 7:25pm

Q+A Panel Discussion

7:25pm – 7:30pm

Post CME Questions

7:30PM – 8:30PM

WELCOME & POSTERS RECEPTION AT EXHIBIT HALL

SATURDAY JULY 13, 2019

7:00AM – 8:00AM

REGISTRATION • CONTINENTAL BREAKFAST

8:00am – 8:10am

Pre-CME Questions

SESSION 4

HEART IN DIABETES WITH JACC

Chairs: Michael E. Farkouh, MD • Robert S. Rosenson, MD

8:10am – 8:20am

Introduction

Michael E. Farkouh, MD

8:20am – 8:35am

The Influence of CKD on Outcomes in Patients with DM and CAD Undergoing Coronary Revascularization

Mandeep S. Sidhu, MD

8:35am – 8:50am

Hypoglycemia and Elevated Troponin in Patients with DM and Coronary Artery Disease

Paulo C. Rezende, MD, PhD

8:50am – 9:05am

Heart Failure with Preserved Ejection Fraction and Diabetes

Adam DeVore, MD

9:05am – 9:20am

Cardiovascular and Limb Outcomes in Patients with DM and Peripheral Artery Disease

Cecilia C. Low Wang, MD

9:20am – 9:35am

The Evolving Future of PCSK9 Inhibitors in Patients with Diabetes

Robert S. Rosenson, MD

9:35am – 9:40am

Wrap-up/Ask the Editor

Michael E. Farkouh, MD

SESSION 5

MANAGEMENT & PREVENTION OF ASCVD

Chairs: Daniel Einhorn, MD • Laurence Sperling, MD

9:40am – 10:00am

Diabetes & Thrombotic Risk: From Mechanisms and Therapeutics to Guidelines

Peter J. Grant, MD

10:00am – 10:15am

Clonal Hematopoiesis of Indeterminate Potential

Robert J. Chilton, DO

SATURDAY JULY 13, 2019 (cont.)

10:15AM – 10:45AM REFRESHMENT BREAK AT EXHIBIT HALL

POINT-COUNTER-POINT: OPTIMAL INITIAL APPROACH TO THE STABLE ELECTIVE PATIENT WITH DIABETES AND 2-VESSEL DISEASE

10:45am – 11:00am	Medical Therapy	Martha Gulati, MD
11:00am – 11:15am	PCI	Michael E. Farkouh, MD
11:15am – 11:30am	CABG	Marc Ruel, MD
11:30am – 11:45am	Q+A Panel Discussion	

SESSION 6

GLYCEMIA, THE HEART & THE BRAIN

Chairs: Zachary T. Bloomgarden, MD • Matthew J. Budoff, MD

11:45am – 12:05pm	Epidemiologic Evidence Linking Hypoglycemia to the Heart and Brain	Elizabeth Selvin, PhD
12:05pm – 12:25pm	The Impact of Postprandial Hyperglycemia - IGT on CVD	Stefano Del Prato, MD
12:25pm – 12:45pm	Prediabetes: The Prelude to Macrovascular Complications	Ralph A. DeFronzo, MD
12:45pm – 1:00pm	Q+A Panel Discussion	

1:00PM – 2:00PM

LUNCH BREAK

SESSION 7

MODE OF ACTION

Chairs: Ralph A. DeFronzo, MD • Mansoor Husain, MD

2:00pm – 2:20pm	Mechanisms of Hormones & Nutrition in Management of CVD & ACS in DM	Christos S. Mantzoros, MD, PhD
2:20pm – 2:40pm	Impact of SGLT2i on CV Risk & Outcome in DM	Subodh Verma, MD, PhD
2:40pm – 3:00pm	Impact of GLP1-ra on CV Risk & Outcome in DM	Michael Nauck, MD
3:00pm – 3:20pm	Impact of EPA on CV Risk & Outcome in DM	Eliot A. Brinton, MD
3:20pm – 3:35pm	Q+A Panel Discussion	

SESSION 8

LDL & TGL IN DIABETES

Chairs: Paul S. Jellinger, MD • Sergio Fazio, MD, PhD

3:35pm – 3:55pm	The Lower LDL the Better	Antonio Gotto Jr., MD, DPhil
3:55pm – 4:15pm	The Role of PCSK9 Inhibitors in High Risk Patient Groups	Pam R. Taub, MD

4:15PM – 4:45PM

REFRESHMENT BREAK AT EXHIBIT HALL

DEBATE: TREATING HIGH TGL IS IMPORTANT IN THE PREVENTION & MANAGEMENT OF CVD

4:45pm – 5:00pm	YES	Peter P. Toth, MD, PhD
5:00pm – 5:15pm	NO	Norman E. Lepor, MD
5:15pm – 5:30pm	Q+A Panel Discussion	

SESSION 9

PRACTICE RECOMMENDATIONS 2019

Chairs: George Grunberger, MD • Peter J. Grant, MD

5:30pm – 5:50pm	Vivisection of the ADA-EASD Consensus Report	Salvio E. Inzucchi, MD
5:50pm – 6:00pm	AACE Diabetes Algorithm 2019 Update	Alan J. Garber, MD, PhD
6:00pm – 6:15pm	ACC DM Consensus	Mikhail N. Kosiborod, MD
6:15pm – 6:35pm	ACC/AHA New Lipids Guidelines	Laurence Sperling, MD
6:35pm – 6:55pm	Q+A Panel Discussion	
6:55pm – 7:00pm	Post CME Questions	

7:30PM – 9:30PM

CME DINNER SYMPOSIUM

THE PRIMARY PREVENTION OF CHF & CKD IN DIABETES



7:30pm	Introduction & CME Questions	Yehuda Handelsman, MD • Mikhail N. Kosiborod, MD
7:40pm	Major Complications of Diabetes: Epidemiology of CHF and CKD	Maria Rosa Costanzo, MD
8:00pm	The Fatal Connection — Diabetes, the Kidney, and the Heart: The Cardiorenal Syndrome	Peter A. McCullough, MD
8:20pm	Contemporary Approach to Preventing CHF in Diabetes: Focus on Primary Prevention	Javed Butler, MD
8:40pm	The Role of SGLT2 Inhibitors in the Prevention and Management of CKD in Diabetes	George L. Bakris, MD
9:00pm	Panel Discussion and Q&A: Treatment of Diabetes in 2020 - Preferred Medications to Prevent Complications George L. Bakris, MD • Javed Butler, MD • Mark E. Cooper, AO, PhD Maria Rosa Costanzo, MD • Peter A. McCullough, MD • Matthew R. Weir, MD Moderators: Yehuda Handelsman, MD • Mikhail N. Kosiborod, MD	

9:20–9:30pm Post-CME Questions/Concluding Remarks

Supported by an Educational Grant from: **AstraZeneca**



SUNDAY JULY 14, 2019

7:00AM – 8:00AM REGISTRATION • CONTINENTAL BREAKFAST

7:00AM – 8:00AM ABSTRACT ORAL PRESENTATIONS

Committee: George Grunberger, MD, Chair • Zachary T. Bloomgarden, MD • Matthew J. Budoff, MD • Michael H. Davidson, MD
Michael E. Farkouh, MD • Vivian A. Fonseca • Lawrence A. Leiter, MD • Derek LeRoith, MD, PhD
Abstracts will be published in *CLINICAL CARDIOLOGY* Editor-in-Chief: A. John Camm, MD

8:00am – 8:10am Pre-CME Questions

8:10AM – 8:15AM ORAL ABSTRACT WINNERS AWARD PRESENTATION

George Grunberger, MD

SESSION 10 ROLE OF ETHNICITY, AGE & GENDER ON CV RISK IN DM

Chairs: Stefano Del Prato, MD • Christos S. Mantzoros, MD, PhD

8:15am – 8:35am Impact of Age of Diagnosis, Gender and Ethnicity on CVD Risk in Diabetes
8:35am – 8:55am State of Diabetes' Impact on Heart Disease in Colombia
8:55am – 9:15am DM and Heart Disease in the Older Patient – The Evidence for Targets
9:15am – 9:30am Q+A Panel Discussion

Juliana CN Chan, MD
Eric Hernandez-Triana, MD
Richard E. Pratley, MD

SESSION 11 CHF, CKD & OBESITY IN DIABETES

Chairs: Mark E. Cooper, AO, PhD • Deepak L. Bhatt, MD

9:30am – 9:50am Heart Failure Outcomes in DM CVOTs – Should Secondary Endpoints Guide Clinical Care?
9:50am – 10:10am Management of CHF in DM - Circa 2019

Javed Butler, MD
Biykem Bozkurt, MD, PhD

10:10AM – 10:25AM REFRESHMENT BREAK

10:25am – 10:45am Obesity and Cardiorenal Failure
10:45am – 11:05am Impact of Obesity on Liver & the Heart
11:05am – 11:20am Q+A Panel Discussion

Matthew R. Weir, MD
Samuel Klein, MD

SESSION 12 CV RISK PREDICTION

Chairs: Michael H. Davidson, MD • Christian W. Mende, MD

11:20am – 11:35am Predicting CHF – Clinical Signs, Biomarkers or Risk Engines?
11:35am – 11:55am Predicting the High-Risk Primary Prevention Patient - What is the Best Option in the Clinic?
11:55am – 12:05pm Q+A Panel Discussion

Vivian A. Fonseca, MD
Kausik Ray, MD

SESSION 13 DIABETES OUTCOME TRIALS - UPDATE

Chairs: Kausik Ray, MD • Peter Reaven, MD

12:05pm – 12:25pm CVOT Data: REDUCE-IT, ODYSSEY, REWIND, ASCEND
12:25pm – 12:50pm Diabetic Kidney Disease and SGLT2i: Focus on CREDENCE Results

Deepak L. Bhatt, MD
George L. Bakris, MD

12:50PM – 1:05PM REFRESHMENT BREAK

1:05pm – 1:25pm The Impact of the Kidney on Cardiovascular Complications in Diabetes
1:25pm – 1:45pm Q+A Panel Discussion

Mark E. Cooper, AO, PhD

SESSION 14 INTERPRETING CVOT – IMPLICATIONS FOR PRACTICE

Chairs: Javed Butler, MD • Vivian A. Fonseca, MD • Yehuda Handelsman, MD

DEBATE/PANEL: WHICH MEDICATION IS PREFERRED FOR A PATIENT WITH DM AND ESTABLISHED CVD?

1:45pm – 1:50pm Case Presentation
1:50pm – 2:00pm GLP1-ra
2:00pm – 2:10pm SGLT2i
2:10pm – 2:20pm EPA
2:20pm – 2:30pm PCSK9i
2:30pm – 2:50pm Q+A Panel Discussion
2:50pm – 3:00pm Post CME Questions

Yehuda Handelsman, MD
Mansoor Husain, MD
Daniel Einhorn, MD
Michael Miller, MD
Christie M. Ballantyne, MD

3:00PM ADJOURN

FACULTY 2019



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Register online: www.heartindiabetes.com/registration

Or email: info@tmioa.com

To register by phone: (818) 342-1889

Registration Fee: \$350 (special ends on June 30th)

CANCELLATION POLICY: A full refund will be given if written notice of cancellation is received by Friday, May 12, 2019. A \$75 cancellation fee will be charged for cancellation between May 13, 2019 and June 14, 2019. After June 14, 2019 there will be NO REFUND. Cancellations must be submitted via e-mail to info@tmioa.com or by phone at 818-342-1889.

ACCREDITATION INFORMATION

You can earn up to 24.75 credits

CME ACCREDITATION

This activity was planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint providership of PESI Inc. and the Metabolic Endocrine Education Foundation (MEEF). PESI Inc. is accredited by the ACCME to provide continuing medical education for physicians.

AMA PRA Designation Statement

The PESI Inc. designated this live activity for a maximum of 24.75 AMA PRA Category 1 Credit(s)TM. Physicians should only claim credit commensurate with the extent of their participation in the activity

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Nurses

For the purpose of recertification, the American Nurses Credentialing Center accepts AMA PRA Category 1 CreditTM issued by organizations accredited by the ACCME (Accreditation Council for Continuing Medical Education) for attendance at structured learning activities.

CA Nurses

Aspen CME Services is approved by the California Board of Registered Nursing, provider number CEP14739, designated the 3rd HiD for approximately 24.75 contact hours.

Pharmacists

For the purpose of recertification, the American Council of Pharmacy Education accepts AMA PRA

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CDE

The National Certification Board for Diabetes Educators recognizes courses sponsored by PESI Inc. as approved ACCME provider. This course qualifies for 24.75 continuing education hours.

REGISTERED DIETICIANS

For the purpose of recertification the Commission on Dietetic Registration recognizes courses accredited with AMA PRA Category 1 CreditTM.

Satisfactory Completion for credits:

All attendees must have completed and turned in a course attendance/evaluation form prior to leaving the conference. Each session claimed for credit must be attended in its entirety.

ACCOMMODATIONS

The 3rd Annual Heart in Diabetes (HiD) CME conference will be held at the Loews Philadelphia Hotel 1200 Market St, Philadelphia, PA 19107 USA (215) 627-1200 <https://www.loewshotels.com/philadelphia-hotel>

To reserve a room at the special rate of \$169 single/double a night for conference participants and their guests please go online: <https://www.heartindiabetes.com/accommodations> OR call (215) 627-1200 to make your individual reservation within the room block by providing the following information:

Event Name: 3rd Annual Congress on Heart in Diabetes (HiD)

Reservation ID: MIA11J

Group rate is available until June 12, 2019 **Subject to Availability**

Rooms will be available on a first-come basis, and will be available until all are filled. Group room rates will be available three (3) days prior to and three (3) days after the event date. If you need special accommodations or if you have any questions about access to any of our activities, please contact the meeting organizers at 818 342 1889 or info@tmioa.com

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ENDORISING ORGANIZATIONS:

- American Association of Clinical Endocrinologists (AACE)
- American Society of Endocrine Physician Assistants (ASEPA)
- California Chapter of the American College of Cardiology (CAACC)
- FH Foundation
- National Lipid Association (NLA)
- Pediatric Endocrine Society
- Society for Vascular Surgery

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- Bentham Science
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