Jointly provided by (free) CME/CEUs-certified Program

State of Diabetes Technology
Clinical Practicum Conference

Thursday
May 19, 2022
6:30pm ET | 5:30pm CT
4:30pm MT | 3:30pm PT

Anne L. Peters
MD
Irl B. Hirsch
MD
Grazia Aleppo
MD, FACE
Cari Berget
RN, MPH

Irl B. Hirsch
MD
Diana Isaacs
PharmD, BCPS
BC-ADM, BCACP

Grazia Aleppo
MD, FACE
FACP
Cari Berget
RN, MPH

Daniel J. DeSalvo
MD
Cari Berget
MD

Diana Isaacs
PharmD, BCPS
BC-ADM, BCACP
CDCES

Ann Peters
MD
Laura J. Basu
MD

Gary Scheiner
MS, CDCES
Cari Berget
RN, MPH

Grazia Aleppo
MD, FACE
FACP
Cari Berget
RN, MPH

Amit C. Vora
MD, FACE

This webconference is supported by an independent educational grant provided by Insulet Corporation.
INTENDED AUDIENCE
Diabetologists, Endocrinologists, Primary Care Physicians, Physician Assistants, Nurse Practitioners, Pharmacists, Certified Diabetes Care and Education Specialists and other Health Care Professionals interested in the management of diabetes.

EDUCATIONAL OBJECTIVES
After participating in this program, learners will be better able to:
1. Establish options for people with diabetes (PwD) transitioning from MDI to an insulin pump.
2. Define and differentiate specific features of insulin pumps that are simple to use and clinically impactful to providers and PwD.
3. Distinguish practical aspects of prescribing, onboarding and managing patients on insulin pumps.
4. Recognize the ease and high satisfaction with which PwD utilize insulin pumps for management of T1 and T2 diabetes.
5. Define how AID systems with insulin pumps, enable PwD to improve outcomes, including ↑TIR, ↑TIR, ↓hypoglycemia, ↓QoL.
6. Apply the newest AID system technology with insulin pumps in the clinical setting.

ACCREDITATION AND DESIGNATION
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Faculty:
Grazia Aleppo, MD, FACE, FACDE has had a financial agreement or affiliation during the past year in the form of Research Support with the following commercial interests: Dexcom, Eli-Lilly, Fractyl Health and Insulet. She is a Consultant for Bayer, Dexcom and Insulet.

Cari Berget, RN, MPH, CDCES has had a financial agreement or affiliation during the past year in the form of Consultant with the following commercial interests: Insulet and Dexcom.

Daniel J. DeSalvo, MD has had a financial agreement or affiliation during the past year in the form of Research support with the following commercial interests: Insulet. He is an Independent Consultant for Dexcom. He is on Dexcom's Speakers List.

Diana Isaacs, PharmD, BCPS, BC-ADM, BCACP, CDCES has had a financial agreement or affiliation during the past year in the form of Consultant with the following commercial interests: Lifescan, Sanofi and Lilly. She is on Insulet, Abbott, Dexcom, Medtronic, Novo Nordisk and Bayer’s Speakers List.

Gary Scheiner, MS, CDCES has had a financial agreement or affiliation during the past year in the form of Consultant with the following commercial interests: Triple Jump, Adocia, Eli Lilly, Ypsomed, Prevention Bio and Kilo Health. He is on Xeris and Dexcom's Speaker List.

Amit Vora, MD, FACE has had a financial agreement or affiliation during the past year in the form of Advisory Board with the following commercial interests: Insulet, Abbott Diabetes Care, Astra Zeneca, Eli Lilly, Medscape, Novo Nordisk, ShouTi Inc, Vertex and Zealand. She has Stock in Teladoc and Stock options in Omada Health.

Anne L. Peters, MD has had a financial agreement or affiliation during the past year in the form of Grant/Research Support with the following commercial interests: Abbott Diabetes Care, Dexcom and Insulet. She is a Consultant for Abbott Diabetes Care, Astra Zeneca, Eli Lilly, Medscape, Novo Nordisk, ShouTi Inc, Vertex and Zealand. She has Stock in Teladoc and Stock options in Omada Health.

Maggie Johnson, MS, RD, LDN, CPT (Patient) has nothing to disclose.

EDITIORAL
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State of Diabetes Technology with Insulin Pumps

6:30pm ET | 5:30pm CT | 4:30pm MT | 3:30pm PT

Who Should Attend: All conference participants

Anne L. Peters
MD
Director
University of Southern California (USC)
Clinical Diabetes Programs
Professor of Medicine (Clinical Scholar)
USC Keck School of Medicine
Los Angeles, California

Anne L. Peters, MD, is a professor of clinical medicine at the Keck School of Medicine of the University of Southern California. She runs diabetes centers in Beverly Hills and in underserved East Los Angeles. In addition to her clinical work, she has been a principal investigator on multiple grants, has written over 200 articles and 4 books, and has given over 500 lectures locally, nationally and internationally. She has been on multiple guidelines writing committees for the treatment of both type 1 and type 2 diabetes. Her major interests involve translating research findings, from lifestyle interventions to technology, to people with diabetes throughout the socioeconomic spectrum. She was the recipient of the ADA Outstanding Physician Clinician Award, the Bernardo Houssay Award from the National Minority Quality Forum and received a 2021 Endocrine Society Laureate Award for Public Service.

Irl B. Hirsch
MD
Professor of Medicine
Diabetes Treatment
and Teaching Chair
University of Washington
Medicine Diabetes Institute
Seattle, Washington

Irl B. Hirsch, MD, is professor and Diabetes Treatment and Teaching Chair at the University of Washington Medicine Diabetes Institute in Seattle.

Dr Hirsch received his medical degree from the University of Missouri School of Medicine in 1984. He completed residency training in internal medicine at Mount Sinai Medical Center in Miami and Miami Beach, Florida. Dr Hirsch also was fellowship-trained in endocrinology and metabolism at Washington University School of Medicine in St. Louis.

Dr Hirsch has dedicated his career to patient care, clinical research and teaching. His focus in these areas is the treatment and management of diabetes. He has an interest in new technologies for the treatment of diabetes, particularly those involved in the use of insulin therapy. This interest centers on the mechanisms of how insulin co-modulates inflammation with glucose and how this results in improved outcomes for patients.

The RCT and Real-World Data Look Great. What Are the Concerns?
Primer on Pumps for Insulin-requiring Diabetes: Patient Considerations/Multidisciplinary Perspectives

6:45pm ET | 5:45pm CT | 4:45pm MT | 3:54pm PT (Concurrent Session)

Who Should Attend: Healthcare professionals new to stratifying and managing PwD with insulin pumps

<table>
<thead>
<tr>
<th>Diana Isaacs</th>
<th>Gary Scheiner</th>
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<tr>
<td>PharmD, BCPS, BC-ADM</td>
<td>MS, CDCES</td>
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<tr>
<td>BCACP, CDCES</td>
<td>Endocrinology Clinical Pharmacy Specialist Integrated Diabetes Services</td>
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<tr>
<td>Endocrinology Clinical Pharmacy Specialist</td>
<td>Cleveland Clinic Diabetes Center Wynnewood, Pennsylvania</td>
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<td>Cleveland Clinic Diabetes Center</td>
<td>Cleveland, Ohio</td>
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**Diana Isaacs, PharmD, BCPS, BC-ADM BCACP, CDCES** is the Remote Monitoring Program Coordinator and Endocrinology Clinical Pharmacy Specialist at the Cleveland Clinic Diabetes Center. She provides medication management and is an insulin pump trainer.

Dr. Isaacs earned her Bachelor’s Degree in Chemistry from the University of Illinois at Chicago, Doctor of Pharmacy Degree from Southern Illinois University Edwardsville and completed a pharmacy practice residency with emphasis in ambulatory care at the Philadelphia VA Medical Center. Dr. Isaacs holds board certifications in pharmacotherapy, ambulatory care, and advanced diabetes management. She serves in leadership roles for several pharmacy and diabetes organizations. She is the Communications Director for the American Diabetes Association (ADA) Pregnancy and Reproductive Health Interest Group and serves on the ADA Professional Practice Committee, the committee that updates the ADA Standards of Care. She also serves on the National Board of the Association of Diabetes Care and Education Specialists (ADCES).

She has numerous diabetes publications and research projects with a focus on medications, CGM and diabetes technology. Dr. Isaacs was the 2020 ADCES Diabetes Care and Education Specialist of the Year.

**Gary Scheiner, MS, CDCES** is owner and Clinical Director of Integrated Diabetes Services, a practice located just outside Philadelphia specializing in intensive insulin therapy and advanced education for children and adults with type-1 diabetes. An award-winning Certified Diabetes Educator, Masters-level Exercise Physiologist and person with type-1 diabetes since 1985, Gary Scheiner has dedicated his professional life to improving the lives of people with insulin-dependent diabetes. He was named 2014 Diabetes Educator of the year by the American Association of Diabetes Educators.

Gary earned a Bachelor of Arts in Psychology from Washington University in St. Louis and a Master of Science in Exercise Physiology from Benedictine University. He received his diabetes training with the world-renowned Joslin Diabetes Center. Gary serves on the faculty of Children With Diabetes and is an active volunteer for the American Diabetes Association, Juvenile Diabetes Research Foundation, Diabetes Sisters and Setebaid Diabetes Camps. He also serves on the clinical advisory boards for several diabetes device manufacturers and pharmaceutical companies.

Gary has authored six books: You Can Control Diabetes (1997), Think Like A Pancreas (2004, 2012, 2020), The Ultimate Guide to Accurate Carb Counting (2007), Get Control of Your Blood Sugar (2009), Until There’s A Cure (2012), Practical CGM (2015) and Diabetes-How To Help (2018), as well as dozens of published articles related to diabetes education for consumer and trade magazines and diabetes websites. He speaks at local, national and international conferences on a multitude of topics in diabetes care. Gary is certified to train on all models of insulin pumps, continuous glucose monitors and hybrid closed loop systems, and has personally used every system that is currently on the market.

A devoted husband and father of four, Gary enjoys exercising (especially basketball, bicycling, running and weight lifting) and cheering on his local Philadelphia sports teams.

### Initial Education/Preparation

<table>
<thead>
<tr>
<th>Site selection/rotation</th>
<th>Food impact on glucose</th>
<th>Compatible insulin products</th>
<th>Treatment of hypoglycemia</th>
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<td>Treatment of hyperglycemia</td>
<td>Glucose monitoring</td>
<td>Setting and managing alerts</td>
<td>Understanding data and trends</td>
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<tr>
<td>Site adhesiveness</td>
<td>Realistic expectations</td>
<td>Sharing data</td>
<td>Problem solving out or range glucose levels</td>
</tr>
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</table>
Best Practices in Pump Onboarding/Training/Management: In Office & Online
6:45pm ET | 5:45pm CT | 4:45pm MT | 3:54pm PT (Concurrent Session)

Who Should Attend: Treaters of PwD who desire best practices in starting patients on pumps, to optimize successful uptake and outcomes

Cari Berget
RN, MPH, CDCES
Research Instructor
Pediatrics-Barbara Davis Center
Aurora, Colorado

Amit C. Vora
MD, FACE
Clinical Assistant Professor
University of Tennessee Medical Center
Endocrinology, Diabetes & Metabolism
Endocrinology Consultants of East Tennessee
Knoxville, Tennessee

Cari Berget is a registered nurse and certified diabetes educator with 10 years’ experience in pediatric diabetes clinical care and research. She currently manages the PANTHER research team at BDC where the team conducts numerous clinical trials with youth with T1D using emerging diabetes technologies, including closed loop (aka: artificial pancreas) and continuous glucose monitoring technologies. Her research interests include the impact of closed loop technologies on glycemic outcomes and quality of life as well as the translation of closed loop technologies from research settings to the real world.

Dr Amit C. Vora joined Endocrinology Consultants of East Tennessee in March 2008. He did some of his early schooling in New York where his father taught medicine at New York Medical College. Their family moved back to India and after a few years, he returned to the US to do his training in Internal Medicine at the Cook County Hospital in Chicago where he was bestowed the humanitarian award for two years in a row. This was followed by fellowship training in Endocrinology at Penn State University.

Dr Vora has lectured locally and nationally on diabetes care and is actively involved in the American Diabetes Association as the current President of its volunteer board. Dr Vora is a member of several professional organizations including AACE and the Endocrine Society.

FOCUS ON THE BIG PICTURE

- Increase TIR while reducing TBR
  - >70% TIR
  - <4% TBR

- Reduce glycemic variability
  - High GVR risk for severe hypoglycemia
  - CV ≤ 36%

- Greatest Improvements overnight
- Improved sleep!
**AID Systems Master Class: Novel Data Unleashed**

6:45pm ET | 5:45pm CT | 4:45pm MT | 3:54pm PT (Concurrent Session)

**Who Should Attend:** Experienced users of all insulin pumps for T1 PwD, with special interest in cutting-edge data for novel tubeless and tubed AID systems

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**Grazia Aleppo**
**MD, FACE, FACP**
Professor of Medicine
Director, Diabetes Education Program
Associate Chief for Clinical Affairs
Division of Endocrinology
Metabolism and Molecular Medicine
Feinberg School of Medicine
Northwestern University
Chicago, Illinois

Dr Grazia Aleppo graduated magna cum laude from the University of Catania School of Medicine, Catania, Italy; subsequently completed internship, residency and endocrinology fellowship at the University of Illinois at Chicago.

She is a Professor of Medicine in the Division of Endocrinology, Metabolism and Molecular Medicine at the Feinberg School of Medicine, Northwestern University, Chicago. She is also the Associate Chief for Clinical Affairs in the same Division and the Medical Director of the Northwestern Medicine Diabetes Training and Education Program.

Dr Aleppo's clinical interest and research interest is in Diabetes, particularly in the implementation of Diabetes Technology, insulin pump therapy, Continuous Glucose Monitoring (CGM) therapy and automated insulin delivery systems in clinical practice. She has participated in the major clinical trials on the use of CGM in various populations and was the protocol chair for the Replace-BG clinical trial which led to the approval of CGM therapy for Medicare beneficiaries in the USA.

She has been very active in scholarly activities with over 60 publications and book chapters in peer reviewed journals.

She is a fellow of the American College of Endocrinology and the American College of Physicians and a member of many professional societies, including the American Diabetes Association, the Endocrine Society, the American Association of Clinical Endocrinology, and the American College of Physicians.

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**Daniel J. DeSalvo**
**MD**
Associate Professor
Pediatric Diabetes & Endocrinology
Baylor College of Medicine
Texas Children’s Hospital
Houston, Texas

Dr DeSalvo is an Associate Professor of Pediatrics in the Division of Diabetes & Endocrinology at Baylor College of Medicine/Texas Children’s Hospital where he serves as Director of Strategic Collaboratives and Type 1 Diabetes Clinic Lead. As a pediatric endocrinologist his greatest passion is helping others live well with diabetes and he considers it a remarkable privilege to shepherd families on their diabetes journey. As a patient-oriented clinical researcher his work focuses on the application of novel technologies for improving diabetes management outcomes and reducing the burden of care for people with diabetes.

He currently serves on the T1D Exchange Quality Improvement Collaborative, Beyond Type 1 Scientific Advisory Council, and College Diabetes Network Clinical Research Advisory Committee. He is a member of the Alpha Omega Alpha Honor Medical Society and Gold Humanism Honor Society.

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**Schematic of the Configuration of Closed-loop AID Systems**

![Schematic Diagram](image-url)

**She is the Associate Editor of the Diabetes Technology and Therapeutics Journal and serves on the editorial board of BMJ Open Diabetes and Research Care.**

Dr Aleppo is considered a prominent national key opinion leader in the field of Diabetes Technology, including insulin pumps, CGM systems and automated insulin delivery.
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