

**PRACTICAL WAYS TO ACHIEVE
TARGETS IN DIABETES CARE**

Thursday, July 12, 2012

thru Sunday, July 15, 2012

Keystone Resort and Conference Center

Keystone, Colorado

Jointly Sponsored by:

The University of Colorado

School of Medicine

Office of Continuing Medical Education

College of Nursing Office of

Lifelong Learning

and

Children's Diabetes Foundation at

Denver, Colorado



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COURSE OBJECTIVES

This course is designed to help healthcare providers caring for patients with diabetes, including but not limited to, endocrinologists/diabetes specialists, internists, pediatricians, family physicians, physician assistants, nurse practitioners, nurses, dietitians and certified diabetes educators. During the course of this four-day conference, we will emphasize the challenges in day-to-day management of diabetes and practical ways to overcome those hurdles, specifically using new technologies. The discussions will also focus on causes of insulin resistance in patients with type 2 diabetes and therapeutic options to overcome insulin resistance. The participants will have an opportunity to meet their peers (MDs/CDEs) during a two-hour session. For type 1 diabetes, there will be a special session on new continuous glucose monitors, insulin pumps and future possibility of closed loop treatment. In addition, the deliberations will also include recent data analysis of SMBG and type 2 diabetes from the ACCORD study and ways to reduce hypoglycemia in both type 1 and type 2 diabetes. The emerging technologies in beta cell imaging and possible theranostic agents for diabetes treatment will be discussed.

Upon completion of the program, the participant should be able to:

- 1. Implement ways to reduce the prevalence with early detection and treatment of diabetes.*
- 2. Appreciate the reasons for delay in approvals by FDA/EMA.*
- 3. Apply insulin analog treatment for diabetes and whether cost could justify use of such analogs.*
- 4. Understand insulin resistance and best treatment options.*
- 5. Diagnose early diabetes (pre-diabetes) with increasing burden of both type 1 and type 2 diabetes.*
- 6. Integrate many new continuous glucose monitors and insulin pumps into day-to-day management of diabetes.*
- 7. Analyze ways to decrease hypoglycemia in type 1 and type 2 diabetes.*
- 8. Treat patients with diabetes using SMBG in a cost effective way.*



ACCREDITATION

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of The University of Colorado School of Medicine and Children's Diabetes Foundation at Denver, Colorado. The University of Colorado School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The University of Colorado School of Medicine designates this live activity for a maximum of 21.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Pending review and acceptance, continuing education contact hours for nurses will be provided by the University of Colorado College of Nursing Office of Lifelong Learning as a provider of continuing nursing education.

University of Colorado College of Nursing is an approved provider of continuing nursing education by the Colorado Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

Application has been made for continuing education credit through the Commission on Dietetic Registration.

Application has been made for continuing education credit through the Colorado Chapter of the National Association of Social Workers.

CONFERENCE SCHEDULE

Thursday, July 12, 2012

10:00–12:30 PM *Registration/View Exhibits/Snacks*

12:30–12:40 PM *Welcome and Introductory Remarks*

Satish K. Garg, MD, Robert Slover, MD & Jay Skyler, MD

PLENARY ONE: What is Making Headlines for Diabetes

Chair: Amanda Adler, MD, PhD

12:40–1:05 PM *The Intersection of Healthcare Reform, Cost of Care, and Increasing Diabetes Prevalence*

Robert Ratner, MD, FACP, FACE

1:05–1:30 PM *Dealing with Diabetes Prevention in the Setting of Rising Prevalence*

David Kendall, MD

1:30–1:55 PM *NIH Perspective*

Judith Fradkin, MD

1:55–2:20 PM *Asian Perspective on Global Increase of Diabetes Prevalence*

Shashank Joshi, MD

2:20–2:40 PM *Question & Answer and Panel Discussion*

Panelists: A. Adler, R. Ratner, D. Kendall, J. Fradkin, S. Joshi

2:40– 3:00 PM *Break/View Exhibits*

PLENARY TWO: Regulatory Perspectives on Diabetes Drugs & Devices

Chair: Jay Skyler, MD

3:00–3:25 PM *Regulatory Hurdles for Drug Approvals*

William Hiatt, MD

3:25–3:50 PM *JDRF Perspective*

Richard Insel, MD

3:50–4:10 PM *Pharma and Device Perspective*

Matthias Axel Schweitzer, MD

4:10–4:30 PM *Device Perspective*

Terry Gregg, MD

4:30–4:55 PM *Food & Drug Administration Perspectives*

Courtney Harper Lias, PhD

4:55–5:10 PM *Question & Answer and Panel Discussion*

Panelists: J. Skyler, W. Hiatt, R. Insel, M. Schweitzer, T. Gregg, C. Harper Lias

7:30–9:00 PM *Industry Sponsored Dinners*

Friday, July 13, 2012

7:00-7:55 AM *Continental Breakfast/View Exhibits*

7:55-8:00 AM *Opening Remarks*
Satish K. Garg, MD

PLENARY THREE: Where Are Insulins and Devices Going?

Chair: George Eisenbarth, MD, PhD

8:00-8:25 AM *Are Insulin Analogs Worth Their Cost? Yes*
Irl Hirsch, MD

8:25-8:50 AM *Are Insulin Analogs Worth Their Cost In Type 2 Diabetes?*
Amanda Adler, MD, PhD

8:50-9:15 AM *Devices in Diabetes — Can We Achieve the Desired Goals?*
John Pickup, MD

9:15-9:50 AM *Need for Better Insulins and Biosimilars*
Lutz Heinemann, PhD

9:50-10:05 AM *Question & Answer and Panel Discussion*
*Panelists: G. Eisenbarth, I. Hirsch, A. Adler, J. Pickup,
L. Heinemann*

10:05-10:20 AM *Break/View Exhibits*

PLENARY FOUR: Insulin Resistance, Incretins & Diabetes

Chair: John Pickup, MD

10:20-10:45 AM *Insulin Resistance — Should Fat Cell be the Treatment Target?*
C. Ronald Kahn, MD

10:45-11:10 AM *Liver as the Source of Insulin Resistance — Should This
be the Treatment Target?*
Gerald Shulman, MD, PhD

11:10-11:35 AM *Changes in Incretin Levels after Bariatric Surgery*
Nestor De La Cruz-Munoz, MD

11:35-12:00 PM *DPPIVs and GLPI Analogs Alone and/or Combinations
with Basal Insulin*
Steve Edelman, MD

12:00-12:15 PM *Question & Answer and Panel Discussion*
*Panelists: J. Pickup, S. Garg, R. Kahn, G. Schulman,
N. De La Cruz-Munoz, S. Edelman*

12:15-1:15 PM *Lunch/View Exhibits*

1:30-3:00 PM CONCURRENT SESSIONS

SESSION 1

New Directions in Diabetes of Young

Chair: Andrea Steck, MD

1:30-1:55 PM

What Are We Learning from the T1D Registry?

Georgeanna Klingensmith, MD

1:55-2:20 PM

Type 2 Diabetes in Children

Philip Zeitler, MD

2:20-2:50 PM

How Will We Care for Everyone with T1D?

Robert Slover, MD

2:50-3:00 PM

Q & A/Panel Discussion

Panelists: A. Steck, G. Klingensmith, P. Zeitler, R. Slover

SESSION 2

New Therapeutic Options for Diabetes Treatment

Chair: Aaron Michels, MD

1:30-1:55 PM

SGLT2 Inhibitors and Glucokinase Activators, SPARMS, DGATs, 11-OH- β

Robert Ratner, MD

1:55-2:20 PM

Immune Modulator in T1D

Jay Skyler, MD

2:20-2:50 PM

How Important is Glucose Variability for Diabetes?

Irl Hirsch, MD

2:50-3:00 PM

Q & A/Panel Discussion

Panelists: A. Michels, R. Ratner, J. Skyler, I. Hirsch

3:00-3:30 PM Break/View Exhibits

3:30-4:30 PM CONCURRENT SESSIONS

SESSION 3

Meet the Peers - Pediatric

3:30-4:30 PM

Providers Chair: Robert Slover

M. Rewers, R. Slover,

G. Klingensmith, P. Chase, D. Maahs,

R. P. Wadwa, P. Zeitler

3:30-4:30 PM

Educators Chair: Georgia Koch

C. Banion, C. Cain, S. Hoops,

S. Kassels, C. Mowry-Johnson

G. Koch, S. Owen, K. Smith,

G. Tellez, L. Tuthill, E. Fay-Itzkowitz,

D. Shepard, G. Spiegel, D. Owen

SESSION 4

Meet the Peers - Adult

3:30-4:30 PM

Providers Chair: Peter Gottlieb

S. Garg, J. Skyler, P. Gottlieb,

G. Eisenbarth, A. Michels, J. Pickup,

S. Amiel, R. Ratner, W. Hiatt,

D. Kendall, R. Bergenstal, S. Joshi

3:30-4:30 PM

Educators Chair: Mary Voelmle

M. Voelmle, C. Beatson,

B. Lopez-Baca, S. Walker, L. Meyers

7:30-9:00 PM Industry Sponsored Dinners

Saturday, July 14, 2012

7:00-7:55 AM *Continental Breakfast/View Exhibits*

7:55-8:00 AM *Opening Remarks*
Satish K. Garg, MD

PLENARY FIVE: *Hypoglycemia and Diabetes* Chairs: David Kendall, MD,
Shashank Joshi, MD

8:00-8:20 AM *An Issue in Diabetes — Reasons to Prevent?*
Stephanie Amiel, MD

8:20-8:40 AM *Ways to Reduce Hypoglycemia in T1D*
Thomas Danne, MD

8:40-9:00 AM *Ways to Reduce Hypoglycemia in T2D*
Amanda Adler, MD, PhD

9:00-9:20 AM *Lesson Learned from ACCORD Regarding Hypoglycemia*
Richard Bergenstal, MD

9:20-9:40 AM *Question & Answer and Panel Discussion*
Panelists: D. Kendall, S. Amiel, T. Danne, A. Adler, R. Bergenstal

9:40-10:00 AM *Break/View Exhibits*

PLENARY SIX: *CGM and Closed Loop* Chair: Jay Skyler, MD

10:00-10:25 AM *New CGMs*
Steve Edelman, MD

10:25-10:50 AM *In-Clinic Closed Loop Experience in the U.S.*
Fran Kaufman, MD

10:50-11:15 AM *Diabetes Management in the Young — European Perspective*
Thomas Danne, MD

11:15-11:40 AM *Patch Pumps and Closed Loop Experience in Europe*
John Pickup, MD

11:40-12:00 PM *Question & Answer and Panel Discussion*
Panelists: J. Skyler, S. Edelman, F. Kaufman, T. Danne, J. Pickup

12:00-1:00 PM *Lunch/View Exhibits*

PLENARY SEVEN: *Diabetes Complications* Chair: Satish K. Garg, MD

1:00-1:25 PM *CVD and Diabetes*
Jay Skyler, MD

1:25-1:50 PM *Microvascular Disease in Type 1 Diabetes*
David Kendall, MD

1:50-2:15 PM *Ways to Reduce Diabetes Burden*
Marian Rewers, MD, PhD

2:15-2:30 PM **Question & Answer and Panel Discussion**
Panelists: S. Garg, J. Skyler, D. Kendall, M. Rewers

2:30-3:10 PM **Break/View Exhibits**

3:10-4:30 PM CONCURRENT SESSIONS

SESSION 6

Nutrition in Diabetes

Chair: Rosanna Fiallo-Scharer, MD

3:10-3:30 PM

**Is Carbohydrate Counting Accurate
Enough to Understand Insulin Rx?**

Gail Spiegel, RD, CDE

3:30-3:50 PM

**Is Carbohydrate Counting Really
Needed?**

Richard Bergenstal, MD

3:50-4:10 PM

**Other Ways to Achieve Metabolic
Control**

N. De La Cruz-Munoz, MD

4:10-4:30 PM

Q & A/Panel Discussion

Panelists: R. Fiallo-Scharer,
G. Spiegel, R. Bergenstal, N.
De La Cruz-Munoz

SESSION 7

**Hot Topics at the Pediatric — Adult
Border**

Chair: Robert Slover, MD

3:10-3:30 PM

**Transition of Care — European
Perspective**

Stephanie Amiel, MD

3:30-3:50 PM

**Glycemic Patterns in Pregnancy —
What are the Metabolic
Determinants of Fetal Growth?**

Linda Barbour, MD

3:50-4:10 PM

**The Issues Involved in Diabetes Care
Transition**

Mary Voelmle, FNP &
Stephanie Kassels, FNP

4:10-4:30 PM

Q & A/Panel Discussion

Panelists: R. Slover, S. Amiel,
L. Barbour, M. Voelmle, S. Kassels

SESSION 8

Complications in Type 1 Diabetes

Chair: Georgeanna Klingensmith, MD

3:10-3:30 PM

Renal Disease

David Maahs, MD

3:30-3:50 PM

Lipid Disorders

R. Paul Wadwa, MD

3:50-4:10 PM

Monogenic Diabetes (MODY)

Andrea Steck, MD

4:10-4:30 PM

Q & A/Panel Discussion

Panelists: G. Klingensmith, D. Maahs, R. P. Wadwa, A. Steck

7:30-9:00 PM

Industry Sponsored Dinners

Sunday, July 15, 2012

7:00-7:55 AM *Continental Breakfast/View Exhibits*

7:55-8:00 AM *Opening Remarks*
Satish K. Garg, MD & Jay Skyler, MD

PLENARY EIGHT: *Self Blood Glucose Monitoring* Chair: Peter Chase, MD

8:00-8:25 AM *Role of SMBG and How to Combine SMBG and CGM in Clinical Practice*
Richard Bergenstal, MD

8:25-8:50 AM *Strengths, Weaknesses and Performance Issues with SMBG*
Lutz Heinemann, PhD

8:50-9:15 AM *Automated Clinical Decision Support Can Improve the Value and Utility of SMBG*
Helena Rodbard, MD, FACP, MACE

9:15-9:40 AM *Results of the PRISMA Study*
Emanuele Bosi, MD

9:40-10:05 AM *Question & Answer and Panel Discussion*
Panelists: P. Chase, R. Bergenstal, L. Heinemann, H. Rodbard, E. Bosi

10:05-10:20 AM *Break/View Exhibits*

PLENARY NINE: *Beta-Cell Imaging & Targets for Prevention of Diabetes*
Chair: Robert Slover, MD

10:20-10:45 AM *Advances in Beta Cell Imaging*
Gary Cline, MD, PhD

10:45-11:10 AM *New Targets for Prevention of Type 1 Diabetes*
George Eisenbarth, MD, PhD

11:10-11:35 AM *Theranostic Agents for Diabetes Therapy*
Jeff Bulte, PhD

11:35-12:00 PM *Question & Answer and Panel Discussion*
Panelists: R. Slover, G. Cline, G. Eisenbarth, J. Bulte

12:00 PM *Concluding Remarks & Departures*
Satish K. Garg, MD, Jay Skyler, MD & Robert Slover, MD



CONFERENCE DIRECTOR

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**Janet Snell-Bergeon, Barbara Davis
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GUEST SPEAKERS

Amanda Adler, MD, PhD

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GENERAL INFORMATION

KEYSTONE RESORT

Keystone Resort is located approximately 90 miles west of Denver International Airport on Interstate 70, and a variety of ground transportation is available. Keystone offers a multitude of outdoor activities during the summer including biking, fishing, golf, hiking, river rafting, horseback riding, tennis, sailing, boating and shopping.

Reservations for lodging must be made directly with Keystone Resort by calling their reservations department at 800-258-0437. The Group Code is CV11NSU. Reservations made by phone or fax require a first night's deposit in the form of a credit card when the reservation is made. If a reservation is made within 30 days of arrival, full payment is due at such time. After the deposit is received a confirmation will be sent. Guest cancellations within 30 days of arrival are subject to forfeiture of full deposit amount. Individual guest cancellations outside 30 days of arrival will result in return of deposit less a \$30 processing fee.

Conference room rates are as follows:

<u>Room Type</u>	<u>Nightly Rate</u>
Keystone Lodge	\$190.00
Inn at Keystone	\$142.00**
Village Studio	\$178.00
One Bedroom Condo	\$190.00
Two Bedroom Condo	\$254.00

**Inn at Keystone is located one-half mile from the meeting site. Shuttle service is available.

Reservations for lodging **MUST** be made on or before June 11, 2012. The sponsors of this conference are not responsible for availability of desired accommodations and charges associated with your hotel reservations or cancellations with Keystone Resort.

Altitude Awareness: Your breathing may become faster or deeper; you may have an increased heart rate, and/or you may feel short of breath especially when being active. This is the body's first and most effective response to altitude. To combat problems, increase fluid intake (drink 8-10 glasses of water/day).

Colorado Weather: Ultraviolet rays from the sun are stronger. No matter how tan, you should use a sun block with a minimum SPF rating of 15. Wear sunglasses with UV protection even on cloudy days. The average daytime temperature in Keystone is 70 degrees in July. The temperature generally drops about 20 degrees at night. Keep a sweater or jacket handy. If you have a disability and require accommodations in order to fully participate in this conference, please contact the Children's Diabetes Foundation office @ 303-863-1200 or 800-695-2873 and ask for Marijane Engel: mj@childrensdiabetesfoundation.org.

REGISTRATION FORM

PLEASE PRINT CLEARLY!

Name _____
Degree(s) _____
Title _____
Affiliation/Institution _____
Office Address _____
City/State/Zip _____
Office Phone _____
E-mail _____
Fax _____
Home Address _____
City/State/Zip _____
Home Phone _____

<u>TUITION FEES</u>	<u>On or before April 15</u>	<u>On or after April 15</u>
Physicians	\$500.00	\$550.00
Allied Health Care Professionals	\$300.00	\$350.00

Fee includes Reception, 3 breakfasts, 2 lunches and meeting materials.
Pharmaceutical sponsored dinners will be held Friday and Saturday evenings.
Companies will send invitations to participants.

CANCELLATION POLICY

A 90% refund will be made for cancellations up to June 30, 2012.
No Refunds after JULY 1, 2012.

Credit Card # _____
Visa, MC, AmEx, Discover _____ Expiration date _____
Name on card _____

Fax or mail registration and payment information to:

Marijane Engel
Children's Diabetes Foundation at Denver
777 Grant Street, Suite 302
Denver, CO 80203
303-863-1122 (FAX)

Date Submitted _____

For additional information contact Marijane Engel at 800-695-2873 or
303-863-1200, FAX: 303-863-1122, e-mail: mj@childrensdiabetesfoundation.org
Website: www.childrensdiabetesfoundation.org

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