

Hyperinsulinism — Novel Genes, Drugs and Guidelines

Children's Hospital
of Philadelphia

Thursday, April 13 and
Friday, April 14, 2023

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 Children's Hospital
of Philadelphia
Breakthroughs. Every day.

*Alina, 2.5 years
Hyperinsulinism patient*



PROGRAM OVERVIEW

This two-day international symposium will review exciting developments in the field of hyperinsulinism, including novel genetic causes, new care guidelines and promising investigational therapies. The symposium is intended to enhance the knowledge and practice of endocrinologists, neonatologists, surgeons, pathologists, radiologists, geneticists and nurses as well as basic scientists interested in islet cell biology. The symposium faculty, leaders in the field of hyperinsulinism, will present over 20 plenary lectures on the biology, genetics and clinical aspects of hyperinsulinism. Participants will have the opportunity to engage with the faculty through several expert panels and breakout sessions.

GENERAL INFORMATION

The conference will be at Children's Hospital of Philadelphia. The registration fee is \$350 for physicians and \$250 for trainees and other healthcare professionals and includes continental breakfast, breaks, lunch, parking and syllabus material.

SYMPOSIUM OBJECTIVES

1. Review the pathophysiology of hyperinsulinism and novel insights into islet cell function
2. Discuss genetic etiologies of hyperinsulinism, including recently identified genes, and understand the role of genetic testing in management
3. Review optimal short-term and long-term management of individuals with hyperinsulinism, including new clinical care guidelines

ABSTRACT SUBMISSIONS

The program includes sessions at which attendees may present posters and short oral communications of their own clinical or laboratory research. The deadline for abstract submission is Thursday, Dec. 15, 2022. Authors will be notified of abstracts accepted for poster or oral presentations by Wednesday, Feb. 1, 2023. A limited number of travel grants will be available to trainees and junior investigators wishing to apply. Trainees and junior investigators must apply at the time they register for the symposium and submit their abstract.

Submit an abstract at chop.cloud-cme.com.

ACCME ACCREDITATION STATEMENT

Children's Hospital of Philadelphia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing education for physicians.

AMA CREDIT DESIGNATION STATEMENT

Children's Hospital of Philadelphia designates this live activity for a maximum of 11.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

HOTEL INFORMATION

A block of rooms has been reserved at reduced rates at The Study, located just a few blocks from Children's Hospital. The group overnight rate is \$229 single and double occupancy plus a 16.25 percent room tax. Participants are required to make their own hotel reservations by calling The Study directly at 215-387-1400. Please mention the name of the conference when making your reservation. The special room rate will be available until Sunday, March 12, 2023. After that date, reservations will be accepted on a space and rate availability basis.



CANCELLATION AND REFUND POLICY

Children's Hospital of Philadelphia reserves the right to cancel or postpone any course due to any unforeseen circumstances. In the event of cancellation or postponement, Children's Hospital of Philadelphia will refund any registration fees, less a \$40 service charge, but is not responsible for any related costs, charges or expenses to participants, including cancellation charges assessed by airlines or travel agencies. In order to process refunds for course withdrawals, cancellation must be received in writing by Friday, April 1, 2023. No refunds will be issued thereafter.

SERVICES FOR PEOPLE WITH DISABILITIES

If special arrangements are required for an individual with a disability to attend this meeting, please contact the Continuing Medical Education Department at 215-590-5263.

Session 1: Etiologies of Hyperinsulinism

Chair/Moderator: Katherine Lord, MD

- 8 a.m. **Welcome and Introduction**
Diva D. De León-Crutchlow, MD, MSCE
- 8:10 a.m. **From Idiopathic Hypoglycemia to Hyperinsulinism:
A Historical Overview**
Charles A. Stanley, MD
- 8:30 a.m. **Diazoxide-responsive Hyperinsulinism**
Elizabeth Rosenfeld, MD, MSCE
- 9 a.m. **Diazoxide-unresponsive Hyperinsulinism**
Diva D. De León-Crutchlow, MD, MSCE
- 9:30 a.m. **Syndromic Hyperinsulinism**
Jennifer M. Kalish, MD, PhD
- 10 a.m. **Break and Exhibits**

Session 2: Diagnosis

Chair/Moderator: Paul S. Thornton, MD

- 10:20 a.m. **When an Insulin Level isn't Enough: Approach to Diagnosis**
Katherine Lord, MD
- 10:40 a.m. **Genetic Testing**
Arupa Ganguly, PhD
- 11:10 a.m. **Histologic Diagnosis in Hyperinsulinism**
Trisha R. Bhatti, MD
- 11:30 a.m. **Expert Panel Q&A: Etiology & Diagnosis**
- Noon **Luncheon**
- 12:45 p.m. **Poster Session**

Session 3: Principles of Management

Chair/Moderator: Diva D. De León-Crutchlow, MD, MSCE

- 1:20 p.m. Approach to Management of Congenital Hyperinsulinism
Katherine Lord, MD
- 1:50 p.m. ¹⁸F-DOPA PET Imaging of Focal Hyperinsulinism
Lisa J. States, MD
- 2:10 p.m. Surgery for Hyperinsulinism
N. Scott Adzick, MD, MMM
- 2:30 p.m. Hyperinsulinism Guidelines
Paul S. Thornton, MD
- 2:50 p.m. Expert Panel Q&A: Management
- 3:10 p.m. Break and Exhibits

Short Communications 1

- 3:30 p.m. Lecture and speaker to be listed at a later date
- 3:45 pm Lecture and speaker to be listed at a later date

Session 4: Investigational Therapeutics Under Development

Chair/Moderator: Paul S. Thornton, MD

- 4 p.m. Investigational Therapeutics 1
Klaus Mohnike, MD
- 4:20 p.m. Investigational Therapeutics 2
Antonia Dastamani, MD
- 4:45 p.m. Adjourn
- 6 p.m. Symposium Dinner
Keynote: Living with Hyperinsulinism
Hyperinsulinism Patient and Parents

Session 5: Islet Cell Pathophysiology

Chair/Moderator: Katherine Lord, MD

- 8 a.m. **Islet Phenotype in Hyperinsulinism**
Diva D. De León-Crutchlow, MD, MSCE
- 8:20 a.m. **K_{ATP} Channels**
Show-Ling Shyng, PhD
- 8:40 a.m. **Stem Cell-based Models in Congenital Hyperinsulinism**
Timo Otonkoski, PhD

Short Communications 2

- 9 a.m. Lecture and speaker to be listed at a later date
- 9:15 a.m. Lecture and speaker to be listed at a later date
- 9:30 a.m. Lecture and speaker to be listed at a later date
- 9:45 a.m. Lecture and speaker to be listed at a later date
- 10 a.m. Break and Exhibits

Session 6: Long-term Care of Patients with Hyperinsulinism

Chair/Moderator: Diva D. De León-Crutchlow, MD

- 10:20 a.m. **Glucose Monitoring: Glucometers and Continuous Glucose Monitoring**
Indi Banerjee, MD
- 10:40 a.m. **Management of the Child with Persistent Hypoglycemia after Pancreatectomy**
Winnie Sigal, MD
- 11 a.m. **Post-pancreatectomy Diabetes**
Thomas Meissner, MD
- 11:20 a.m. Luncheon
- Noon Poster Session

Session 6: Long-term Care of Patients with Hyperinsulinism *(continued)*

- 12:30 p.m. Exocrine Insufficiency Following Pancreatectomy
Asim Maqbool, MD
- 12:50 p.m. Feeding Issues in Congenital Hyperinsulinism
Sherri Shubin Cohen, MD, MPH
- 1:10 p.m. Neurodevelopmental Outcomes
Sophie Foss, PhD
- 1:30 p.m. Breakout Sessions – Q&A with the Experts
Medical Management
Care of Children Post-pancreatectomy
Nutritional Issues
Interpretation of Genetic Testing Results
Nursing Role in the Management of Hyperinsulinism
Neurodevelopmental Issues
- 2:30 p.m. Break and Exhibits

Short Communications 3

- 2:45 p.m. Lecture and speaker to be listed at a later date
- 3 p.m. Lecture and speaker to be listed at a later date
- 3:15 p.m. Lecture and speaker to be listed at a later date
- 3:30 p.m. Adjourn

SYMPOSIUM COURSE DIRECTORS

Diva D. De León-Crutchlow, MD, MSCE

*Chief, Division of Endocrinology and Diabetes
Director, Congenital Hyperinsulinism Center
Distinguished Chair in Pediatrics
Professor of Pediatrics and Medicine*

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*Founder, Congenital Hyperinsulinism Center
Emeritus Professor of Pediatrics*

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*Director, Section of Oncologic Imaging
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Professor of Clinical Radiology*

GUEST FACULTY

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*Lead for Northern Congenital Hyperinsulinism Service
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