Program Overview
This two-day international symposium will be an update on recent exciting advances in research related to congenital hyperinsulinism and disorders of pancreatic islet regulation in infants and children. The symposium will be of interest to endocrinologists, neonatologists, surgeons, pathologists, radiologists, geneticists and nurses, as well as basic scientists. The symposium faculty, chosen from 17 institutions in the United States, France, Great Britain, Israel, Norway, Belgium and Finland, will present 22 plenary lectures on all aspects of these disorders.

General Information
The symposium will be held on Thursday, June 15 and Friday, June 16, 2006, at The Union League of Philadelphia at 140 South Broad St. in Center City Philadelphia. Visit www.unionleague.org for more information. Registration will begin each day at 7:30 a.m.

Symposium Objectives
• Provide an overview of the clinical manifestations, genetics and natural history of congenital hyperinsulinism.
• Review current knowledge of the normal regulation of insulin secretion and the pathophysiology of disorders causing hyperinsulinism and neonatal diabetes.
• Discuss recent advances and current controversies in the surgical and medical management of diffuse and focal hyperinsulinism.

Accreditation Statement
The Children’s Hospital of Philadelphia is accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education for physicians.

Certification Statement
The Children’s Hospital of Philadelphia designates this continuing medical education activity for a maximum of 14 hours in Category 1 toward the American Medical Association’s Physician’s Recognition Award. Each physician should claim only those hours of credit that he or she actually spent in the educational activity.

Symposium Fee
The symposium registration fee is $300. This registration fee includes continental breakfast, lunch and syllabus materials. Registrations will not be processed unless accompanied by full payment. Faxed registrations will be accepted for credit card payments only.

Abstract Submissions
The program includes three sessions at which attendees may present posters and short oral presentations of their clinical or laboratory research. Abstracts are limited to 300 words and must be submitted electronically. Go to www.chop.edu/cme to submit an abstract. The deadline for abstract submission is Friday, March 17. Authors will be notified of abstracts accepted for poster or oral presentations by Friday, April 28.

Young Investigator Travel Grants: A limited number of travel grants are available for young investigators. Candidates must submit their abstract and register online. The separate travel grant application can be requested by sending an e-mail to hyperinsulinism@email.chop.edu.

Cover photo by Edward Savaria Jr.
View of Philadelphia Water Works and Art Museum
Hotel Information

The Children’s Hospital of Philadelphia has reserved room blocks at the Inn at The Union League and the Doubletree Hotel. Participants are required to make their own hotel accommodations by calling either of the hotels directly. When making your reservations, please mention the Congenital Hyperinsulinism Symposium.

The Inn at The Union League
1450 Sansom St.
Philadelphia, PA 19102
215-587-5570
The special rate is $169 single or double occupancy, plus tax. The special room rate will be available until Monday, May 15, 2006. For further information, please visit the Inn’s Web site at www.unionleague.org.

Doubletree Hotel Philadelphia
237 South Broad St.
Philadelphia, PA 19107
215-893-1600
The special rate is $199 single or double occupancy, plus tax. The special room rate will be available until Wednesday, May 17, 2006. The hotel’s Web site is www.philadelphia.doubletree.com.

For a comprehensive listing of lodging in Philadelphia, please visit the Web site of the Philadelphia Convention and Visitors Bureau at www.pcvb.org.

Parking

Early bird parking (in by 8 a.m.) at the Midtown Parking Lot located at 1415 Sansom St. is $13 per day. This fee is subject to change; additional charges may be incurred after an 8 a.m. arrival at this lot.

Services for the Disabled

If special arrangements are required for an individual with a disability to attend this meeting, please contact the Continuing Medical Education Department at The Children’s Hospital of Philadelphia at 215-590-5263 at least two weeks in advance of the symposium.

Cancellation and Refund Policy

The Children’s Hospital of Philadelphia reserves the right to cancel or postpone any symposium due to any unforeseen circumstances. In the event of cancellation or postponement, The Children’s Hospital of Philadelphia will refund any registration fees, less a $30 service charge, but is not responsible for any related costs, charges or expenses to participants, including cancellation charges assessed by airlines/travel agencies. In order to process refunds for course withdrawals, cancellation must be received in writing by June 1, 2006. No refunds will be issued thereafter.

Acknowledgment

The organizing committee thanks the Baker Family Foundation for its support of this symposium, as well as its long-standing support of the Hyperinsulinism Center at The Children’s Hospital of Philadelphia (hyperinsulinism.chop.edu).

If you have any questions about this symposium, please call 215-590-5CME; fax 215-590-4342 or e-mail Ann Hagan at hagan@email.chop.edu.
Thursday, June 15

7:30 a.m.  Registration and Continental Breakfast

7:55 a.m.  Welcome and Introduction  
Charles A. Stanley, M.D.

Session 1  8 – 10 a.m.  
Overview of Islet Regulation and Hyperinsulinism (HI)  
Chairs: Charles A. Stanley, M.D., and Benjamin Glaser, M.D.

8 a.m.  Historical Perspective on Hyperinsulinism in Infants: The Necker Enfants Malades Hospital’s Experience  
Jean-Marie Saudubray, M.D.

8:30 a.m.  Triggering and Amplification Pathways of Fuel-mediated Insulin Secretion  
Jean-Claude Henquin, M.D., Ph.D.

9:15 a.m.  Islet Cell Biology/Beta-cell Differentiation and Development  
Klaus H. Kaestner, Ph.D.

10 a.m.  Break

Session 2  10:30 a.m. – Noon  
Beta-cell Potassium Channel (KATP) Diseases: Hyperinsulinism and Diabetes  
Chairs: Lydia Aguilar-Bryan, M.D., Ph.D., and Timo Otonkoski, M.D., Ph.D.

10:30 a.m.  KATP Channel Biochemistry and Patho-electrophysiology  
Mark J. Dunne, Ph.D.

11 a.m.  Congenital Diffuse and Focal Hyperinsulinism Due to Recessive KATP Channel Mutations  
Pascale de Lonlay, M.D., Ph.D., and Andrew T. Hattersley, M.B., Ch.B.

Noon  Lunch, Posters and Exhibits

Session 3  1:30 – 3 p.m.  
Clinical and In Vitro Manifestations of KATP Hyperinsulinism and Diabetes  
Chairs: Mark J. Dunne, Ph.D., and Paul Thornton, M.D.

1:30 p.m.  Regulation of Insulin Secretion in Normal and KATP Mutant Human Islets  
Jean-Claude Henquin, M.D., Ph.D.

2:15 p.m.  Oral Communications #1

3 p.m.  Break

Session 4  3:30 – 5:30 p.m.  
Glucose and Amino Acid Regulation of Insulin Secretion  
Chairs: Franz Matschinsky, M.D., and Andrew T. Hattersley, M.B., Ch.B.

3:30 p.m.  Structural Mechanism of Glutamate Dehydrogenase (GDH) Regulation  
Thomas J. Smith, Ph.D.

4 p.m.  GDH Control of Amino Acid Stimulated Insulin Secretion and the Hyperinsulinism/Hyperammonemia Syndrome  
Charles A. Stanley, M.D.

4:30 p.m.  Glucokinase Control of Glucose Stimulated Insulin Secretion and MODY2  
Pål R. Njølstad, M.D., Ph.D.

5 p.m.  Glucokinase Hyperinsulinism  
Antonio L. Cuesta Muñoz, M.D., Ph.D.

5:30 p.m.  Program Evaluation and Adjournment

In accordance with the Accreditation Council for Continuing Medical Education requirements on disclosure, information about relationships of presenters with commercial interests (if any) will be included in the materials distributed at the time of the conference.
Friday, June 16

7:30 a.m. Registration and Continental Breakfast

Session 5  8 – 10 a.m.
New Hyperinsulinism Diseases
Chairs: Lydia Aguilar-Bryan, M.D., Ph.D., and Jean-Claude Henquin, M.D., Ph.D.

8 a.m. Exercise-induced Dominant Hyperinsulinism
Timo Otonkoski, M.D., Ph.D.

8:30 a.m. Hyperinsulinism Due to Mutations of Short-chain Fatty Acyl-CoA Dehydrogenase
Khalid Hussain, M.B., Ch.B.

8:45 a.m. Dominant KATP Channel Hyperinsulinism
Charles A. Stanley, M.D.

9 a.m. Incretins and Post-gastrectomy Hyperinsulinism
Diva De León, M.D.

9:15 a.m. Diabetes and Exocrine Insufficiency Due to Mutations of the CEL Gene
Pål R. Njølstad, M.D., Ph.D.

9:30 a.m. Late-breaking Communications

10 a.m. Break

Session 6  10:30 a.m. – Noon
Surgical Issues in Management of Hyperinsulinism
Chairs: Khalid Hussain, M.B., Ch.B., and Lydia Aguilar-Bryan, M.D., Ph.D.

10:30 a.m. Histopathology of Diffuse and Focal Hyperinsulinism
Jacques Rabier, M.D., Ph.D.
Mariko Suchi, M.D., Ph.D.

11 a.m. Imaging of Focal Hyperinsulinism by Positron Emission Tomography (PET) Scans with F-DOPA
Abass Alavi, M.D.

11:30 a.m. Surgical Management of Hyperinsulinism
N. Scott Adzick, M.D., M.M.M.

Noon Lunch, Posters and Exhibits

Session 7  1:30 – 3 p.m.
New Diseases, Diagnoses, Treatments
Chairs: Timo Otonkoski, M.D., Ph.D., and Pascale de Lonlay, M.D., Ph.D.

1:30 p.m. Protocols for Diagnosis and Phenotyping of Hyperinsulinism
Charles A. Stanley, M.D.

2 p.m. Oral Communications #2

3 p.m. Break

Session 8  3:30 – 5:30 p.m.
Future Issues in Hyperinsulinism Management and Research
Chairs: Paul Thornton, M.D., and Timo Otonkoski, M.D., Ph.D.

3:30 p.m. Novel Mechanisms of Hypoglycemic Brain Damage
Scott A. Rivkees, M.D.

4 p.m. Oral Communications #3
Panel Discussions of Controversies and Future Issues in Hyperinsulinism

5:15 p.m. Summation
Franz M. Matschinsky, M.D.

5:30 p.m. Program Evaluation and Adjournment
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Assistant Professor of Pathology
Medical College of Wisconsin
Milwaukee, Wis.
## Congenital Hyperinsulinism and Related Disorders of Insulin Secretion

**Clinical, Biochemical and Genetic Advances**

### June 15 – 16, 2006

**Registration Deadline: June 9, 2006**

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**Registration Fee: $300**

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Registrations will not be processed unless accompanied by full payment. Faxed registrations will only be accepted for credit card payments. Please note: your registration is not complete if you do not receive a confirmation letter.

### Mail/fax the completed registration form and payment to:

Ms. Catrice Butler  
Continuing Medical Education Department  
The Children’s Hospital of Philadelphia  
34th Street and Civic Center Boulevard  
CHOP-North, Suite 1220  
Philadelphia, PA 19104  
Phone: 215-590-5263  
Fax: 215-590-4342

The deadline for abstract submission is Friday, March 17, 2006.