

# NEUROENDOCRINOLOGY CONFERENCE

Virtual Conference  
Friday, Nov. 13, 2020

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 **Children's Hospital  
of Philadelphia**  
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## PROGRAM OVERVIEW

This one-day program is targeted to endocrinologists, neuro-oncologists, radiologists, neurosurgeons, neuro-ophthalmologists, fellows, residents and nurse practitioners who evaluate or treat children with hypothalamic/pituitary disorders. This program will highlight advances in diagnostics and therapy for children with pituitary tumors (prolactinoma), diabetes insipidus, germ cell tumors, genetic syndromes affecting tumor susceptibility and other related conditions. We will hear from a neuro-radiologist regarding the role of MRI in evaluation of patients with suspected disorders of the hypothalamus and pituitary, and a neuro-ophthalmologist about the importance of visual outcomes. We will also learn about novel developments in neurosurgical care of affected patients. Finally, we will offer practical guidance regarding commonly encountered management challenges, including selecting from new long-acting growth hormone formulations and how to counsel around future fertility.

## GENERAL INFORMATION

The registration fee includes course registration, live stream access to the conference and access to view presentations online. For any questions, please email [CMEoffice@email.chop.edu](mailto:CMEoffice@email.chop.edu).

## REGISTRATION FEES:

**Physicians: .....\$75**

**Nurses or Physicians in Training: .....\$45**

## COURSE OBJECTIVES

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

- Explain the clinical correlation of various structural pituitary disorders seen on MRI
- Discuss how to evaluate vision in children with pituitary lesions
- Discuss how to evaluate and manage children with a prolactinoma
- Identify modern methods for neurosurgical approach to pituitary tumors
- Discuss the management of diabetes insipidus within the hospital
- Review the pathogenesis, classification and treatment of germ cell tumors of the brain

## ACCME ACCREDITATION STATEMENT

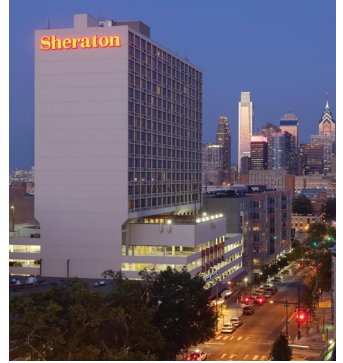
Children's Hospital of Philadelphia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

## AMA CREDIT DESIGNATION STATEMENT

Children's Hospital of Philadelphia designates this live activity for maximum 7.25 *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should claim only the credit commensurate with their participation in the activity.

## 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 \$25 service charge. In order to process refunds for course withdrawals, cancellation must be received in writing by Monday, Nov. 2, 2020. No refunds will be issued thereafter.



**REGISTER ONLINE: [CHOP.CLOUD-CME.COM](https://chop.cloud-cme.com)**

**8 a.m. Welcome and Introductions**

*Craig Alter, MD*

*Shana McCormack, MD, MTR*

**8:15 a.m. MRI of the Pituitary and Hypothalamus**

*Karuna Shekdar, MD*

*Christopher Gibson, MD*

**8:55 a.m. Diabetes Insipidus: Inpatient and Peri-surgical Management**

*Shana McCormack, MD, MTR*

**9:25 a.m. Visual Complication of a Pituitary Mass**

*Grant T. Liu, MD*

**9:55 a.m. Expert Panel**

*Karuna Shekdar MD; Chris Gibson MD*

*Shana McCormack, MD, MTR; Grant T. Liu, MD*

**10:15 a.m. Break**

**10:35 a.m. Prolactinoma**

*Craig Alter, MD*

*Elizabeth Rosenfeld, MD*

**11:05 a.m. MEN1 Syndrome and Similar Conditions**

*Michael Levine, MD*

**11:35 a.m. Hypothalamic Obesity**

*Christian Roth, MD*

**12:05 p.m. Expert Panel**

*Craig Alter, MD*

*Michael Levine, MD*

*Christian Roth, MD*

**12:20 p.m. Lunch**

- 1 p.m.**      **Update on Long-acting Growth Hormone Preparations**  
*Lawrence Silverman, MD*
- 1:30 p.m.**    **Transition from Pediatric to Adult Endocrine: Practical Points**  
*Julia Kharlip, MD*
- 2 p.m.**      **Update on the Endoscopic Endonasal Surgery for Sellar Tumors**  
*Phillip B. “Jay” Storm, MD*
- 2:30 p.m.**    **Expert Panel**  
*Lawrence Silverman, MD*  
*Julia Kharlip, MD*  
*Phillip “Jay” Storm, MD*
- 2:50 p.m.**    **Break**
- 3:10 p.m.**    **Fertility in Adult Women with Panhypopituitarism**  
*Clarisa Gracia, MD*
- 3:40 p.m.**    **Fertility in Men with Hypogonadotropic Hypogonadism**  
*Peter J. Snyder, MD*
- 4:10 p.m.**    **CNS Germ Cell Tumors**  
*Michael Fisher, MD*
- 4:40 p.m.**    **Expert Panel**  
*Clarisa Gracia, MD*  
*Peter J. Snyder, MD*  
*Michael Fisher, MD*
- 5 p.m.**      **Adjournment**

Unless otherwise noted, faculty is from Children's Hospital of Philadelphia and/or the Perelman School of Medicine at the University of Pennsylvania.

## COURSE DIRECTORS

### **Craig A. Alter, MD**

Director, Neuroendocrine Center  
Division of Endocrinology & Diabetes  
Professor of Clinical Pediatrics

### **Shana McCormack, MD, MTR**

Co-Director, Neuroendocrine Center  
Division of Endocrinology & Diabetes  
Assistant Professor of Pediatrics

## FACULTY

### **Christopher E. Gibson, MD**

Neuroendocrine Center  
Division of Endocrinology & Diabetes  
Assistant Professor of Pediatrics

### **Elizabeth Rosenfeld, MD**

Neuroendocrine Center  
Division of Endocrinology & Diabetes  
Instructor

### **Grant T. Liu, MD**

Neuro-Ophthalmologist  
Raymond G. Perelman Endowed Chair in  
Pediatric Neuro-Ophthalmology  
Professor of Neurology and Ophthalmology

### **Clarisa R. Gracia, MD, MSCE**

Director, Fertility Preservation  
Obstetrics and Gynecology, Reproductive  
Endocrinology and Infertility  
Chief, Division of Reproductive Endocrinology  
and Infertility  
Nancy and Richard Wolfson Professor of  
Obstetrics and Gynecology

### **Lawrence A. Silverman, MD**

Goryeb Children's Hospital  
Atlantic Health System

### **Michael A. Levine, MD**

Director, Center for Bone Health  
Endocrinology and Diabetes  
Emeritus Professor of Pediatrics and Medicine  
(Medical Genetics)

### **Christian Roth, MD**

Professor of Pediatrics, Seattle  
Children's Hospital  
Center for Integrative Brain Research,  
Seattle Children's Research Institute

### **Karuna Shekdar, MD**

Pediatric Neuroradiologist  
Division of Radiology  
Assistant Professor of Clinical Radiology

### **Phillip B. "Jay" Storm, MD**

Chief, Division of Neurosurgery  
Associate Professor of Neurosurgery

### **Julia Kharlip, MD**

Associate Medical Director, Penn Pituitary Center  
Associate Professor of Clinical Medicine

### **Peter J. Snyder, MD**

Medical Director, Penn Pituitary Center  
Division of Endocrinology, Diabetes and Metabolism  
Professor of Medicine

### **Michael Fisher, MD**

Chief, Neuro-Oncology Section  
Director, Neurofibromatosis Program  
Hubert J.P. and Anne Faulkner Schoemaker  
Endowed Chair in Pediatric Neuro-Oncology  
Professor of Pediatrics