

**TOPICS IN
BONE HEALTH:
HOT TOPICS
AND
EMERGING
THERAPIES**



Hybrid Conference

Friday, Oct. 28, 2022

**Roberts Center
for Pediatric Research**

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**Children's Hospital
of Philadelphia®**

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COURSE OVERVIEW

This conference is intended for primary care providers, nurse practitioners, family medicine physicians and internists, dietitians, and other healthcare providers. The program aims to provide a necessary understanding of the impact of chronic illnesses on bone health and familiarize providers with therapeutic options, including nutritional interventions, physical therapy and pharmacological protocols. The learning format will be didactic lectures with question-and-answer sessions.

OBJECTIVES

After attending this activity, participants should be able to:

1. Review the principles of screening, treatment, and monitoring of vitamin D deficiency
2. Review disorders of calcium and phosphorus metabolism and available treatment options
3. Discuss risk factors for increased bone fragility and potential evaluations and treatments
4. Review genetic bone diseases and available and emerging therapies

REGISTRATION AND GENERAL INFORMATION

The conference will be held on the first floor of the Roberts Center for Pediatric Research at Children's Hospital of Philadelphia on Friday, October 28, 2022.

REGISTRATION FEES

For those attending the conference in person: \$175

The registration fee includes continental breakfast, refreshments, lunch, parking and course materials.

For those attending the conference virtually: \$125

Livestream access to the conference and access to view online course materials.

For questions, email CMEoffice@chop.edu.

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 a maximum of 7.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of 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, the Hospital will refund registration fees. In order to process refunds, cancellations must be received in writing by Monday, Oct. 10, 2022. No refunds will be issued thereafter.

SERVICES FOR PEOPLE WITH DISABILITIES

Participation by all individuals is encouraged. If arrangements are required for an individual with special needs to attend this meeting, please call the CME Department at 215-590-5263 two weeks in advance so that we may provide better service to you during the conference.

PROGRAM

- 7:30 a.m. Registration and Continental Breakfast**
- 8 a.m. Welcome and Introduction**
Andrew Calabria, MD
- 8:05 a.m. The Skeleton Crew: Multidisciplinary Team for Pediatric Bone Health**
Mallory Gardner, PT, DPT; Erica Schwab, RD, CSP, LDN; David Weber, MD
- 8:50 a.m. Disorders of Vitamin D – Beyond Nutritional Rickets**
Jeffrey Roizen, MD, PhD
- 9:15 a.m. Does X Mark the Spot? Ongoing Management Decisions in Hypophosphatemic Rickets**
Andrew Calabria, MD
- 9:35 a.m. Q&A**
- 9:50 a.m. Break**
- 10:05 a.m. Hypoparathyroidism: Treatment Challenges and Emerging Therapies**
Maria Zhadina, MD, PhD
- 10:35 a.m. Idiopathic Hypercalcemia: A Little Less Idiopathic Now!**
Michael A. Levine, MD
- 11:05 a.m. Hypophosphatasia: Clinical Spectrum and Treatment Options**
Andrew Calabria, MD
- 11:25 a.m. Q&A**
- 11:45 a.m. Lunch**

RARE BONE

- 12:45 p.m. Osteopetrosis: Diagnostics and Curative Therapies**
Timothy S. Olson, MD, PhD
- 1:15 p.m. Achondroplasia: Clinical Overview and Emerging Therapeutics**
Cara Skraban, MD
- 1:45 p.m. Fibrodysplasia Ossificans Progressiva: Diagnosis and Emerging Therapies**
Edna E. Mancilla, MD
- 2:15 p.m. Q&A**
- 2:30 p.m. Break**

EMERGING THERAPIES

- 2:45 p.m.** **Pros and Cons of Osteoanabolic Therapy**
Mona Al Mukaddam, MD, MS
- 3:15 p.m.** **Outside the Box: New Therapeutic Approaches to Osteolytic Bone Diseases**
Michael A. Levine, MD
- 3:45 p.m.** **Generalized Arterialized Calcification of Infancy (GACI) – Pathophysiology and Emerging Therapies**
David Goldberg, MD
- 4:15 p.m.** **Bone Issues in Vascular Anomalies**
Alexandra Borst, MD
- 4:45 p.m.** **Q&A**
- 5 p.m.** **Adjourn**



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

Andrew Calabria, MD

*Clinical Director
Endocrinology and Diabetes
Associate Professor of Clinical Pediatrics*

David Weber, MD

*Attending Physician
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Assistant Professor of Pediatrics*

FACULTY

Mona Al Mukaddam, MD, MS

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Scholar at the Center for Research in FOP &
Related Disorders
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