



Topics in Bone Health: Stronger Bones for Growing Kids

VIRTUAL CONFERENCE

Monday, Nov. 16, 2020

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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.

COURSE OBJECTIVES

After attending this program, the participant should be able to:

1. Review the principles of screening, treatment and monitoring of vitamin D deficiency
2. Discuss the roles of calcium and phosphorus in normal bone growth and development
3. Discuss the medical/surgical evaluations for concerning/high-risk fractures
4. Discuss risk factors for increased bone fragility and potential evaluations and treatments
5. Review the evaluation for suspected arthritis in children

REGISTRATION FEES AND 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.

Physicians, Nurses and Other Healthcare Providers who require a CME/CEU Certificate	\$50
No Certificate	Free

To register, please visit 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 medical education for physicians.

AMA CREDIT DESIGNATION STATEMENT

Children's Hospital of Philadelphia designates this live activity for a maximum of 6.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

DIETITIAN ACCREDITATION STATEMENT

This activity has been submitted to the Commission on Dietetic Registration for continuing professional education units (CPEUs) for registered dietitians (RDs) and dietetic technicians, registered (DTRs). Application submitted and pending approval.

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, less a \$25 service fee. In order to process refunds, cancellations must be received in writing by Monday, Nov. 9, 2020. No refunds will be issued thereafter.

- 7:50 a.m. Welcome and Introduction**
Andrew Calabria, MD
- 8 a.m. Vitamin D Deficiency in Health and Disease: Cause, Effect and Correlate**
Jeffrey Roizen, MD
- 8:30 a.m. How Much Is Enough? Practical Tips on Calcium and Vitamin D Supplementation in Infants and Children**
Andrew Calabria, MD
- 9 a.m. Dairy-free Bone Health: The Nutrition & Culinary Guide**
Amy Dean, MPH, RD, LDN
Paige Vondran, BS
- 9:30 a.m. Panel Discussion**
- 9:45 a.m. Break**
- 10 a.m. Update on Pediatric Recommendations for Bone Health Assessment by DXA in Children**
Babette Zemel, PhD
- 10:30 a.m. Fractures in Children: When to Refer to a Bone Health Specialist**
Edna Mancilla, MD
- 11 a.m. Fractures in Patients with Low Bone Density**
David Spiegel, MD
- 11:30 a.m. Panel Discussion**
- 11:45 a.m. Lunch**
- 12:45 p.m. An Update on Hypophosphatemic Rickets**
Michael Levine, MD
- 1:15 p.m. Bone Stress Injuries in the Young Athlete**
Christopher Renjilian, MD, MBE, CAQSM

PROGRAM | MONDAY, NOV 16, 2020 *continued*

- 1:45 p.m. Standing Tall: An Update on Equipment and Physical Therapy for Non-ambulatory Children**
Christine Taylor, PT, DPT, MPH
- 2:15 p.m. Panel Discussion**
- 2:30 p.m. Break**
- 2:45 p.m. Kids Get Arthritis, Too: Introduction to Inflammation of the Joints and Bones in Children**
Melissa A. Lerman, MD, PhD, MSCE
- 3:15 p.m. Glucocorticoid-Induced Bone Disease in Children**
David R. Weber, MD, MSCE
- 3:45 p.m. Panel Discussion**
- 4 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

Michael Levine, MD

Director, Center for Bone Health

Endocrinology and Diabetes

Emeritus Professor of Pediatrics and Medicine

(Medical Genetics)

Jeffrey Roizen, MD

Attending Physician

Endocrinology and Diabetes

Assistant Professor of Pediatrics

David Spiegel, MD

Attending Physician

Orthopaedics

Professor of Orthopedic Surgery

Christine Taylor, PT, DPT, MPH

Physical Therapist

Course Faculty

Amy Dean, MPH, RD, LDN

Clinical Dietitian

Gastroenterology, Hepatology and Nutrition

Paige Vondran, BS

Medical Chef Educator, Nursing

Melissa A. Lerman, MD, PhD, MSCE

Attending Physician

Pediatric Rheumatology

Assistant Professor of Clinical Pediatrics

David R. Weber, MD, MSCE

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Endocrinology and Diabetes

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Director, Nutrition and Growth Laboratory Director,

Bionutrition Core Laboratory,

Clinical and Translational Research Center Associate

Director, Core Laboratories,

General Clinical Research Center Adjunct Associate

Program Director, Clinical and

Translational Research Center

Academic Investigator, Healthy Weight Program

Assistant Professor of Nursing

Research Professor of Pediatrics

Christopher Renjilian, MD, MBE, CAQSM

Attending Physician

Adolescent Medicine

Pediatric and Adolescent Sports Medicine Assistant

Professor of Clinical Pediatrics