



COLUMBIA UNIVERSITY

*College of Physicians
and Surgeons*



The Institute of Human Nutrition

Micronutrient Status: Modifying Factors - Drugs, Chronic Disease and Surgery

Saturday, June 17, 2017



Course Directors

Sharon R. Akabas, Ph.D., *Director, MS Program; Associate Director of Educational Initiatives; Associate Professor of Nutrition (in Pediatrics and in the Institute of Human Nutrition) at CUMC, Columbia University College of Physicians & Surgeons, New York, New York*

Alice H. Lichtenstein, D.Sc., *Gershoff Professor of Nutrition Science and Policy; Director and Senior Scientist, Cardiovascular Nutrition Laboratory, Tufts University, JM USDA Human Nutrition Research Center on Aging, Boston, Massachusetts*

Katherine Tucker, Ph.D., *Professor of Nutritional Epidemiology, University of Massachusetts Lowell, Massachusetts*

Guest Faculty

Lindsay Allen, Ph.D., R.D., *Director, USDA ARS Western Human Nutrition Research Center; Research Professor, Department of Nutrition, University of California, Davis, California*

David J. Greenblatt, M.D., *Louis Lasagna, MD Professor; Professor of Integrative Physiology & Pathobiology, Tufts University School of Medicine, Boston, Massachusetts*

Bill J. Gurley, Ph.D., *Professor of Pharmaceutical Sciences, University of Arkansas for Medical Sciences, Little Rock, Arkansas*

Mariana Markell, M.D., *Associate Professor of Medicine; Director, Transplant Nephrology, SUNY Downstate Medical Center, Brooklyn, New York*

Jeffrey I. Mechanick, M.D., *Clinical Professor of Medicine, Endocrinology, Diabetes and Bone Disease, Icahn School of Medicine at Mount Sinai, New York, New York*

Joshua W. Miller, Ph.D., *Professor and Chair, Department of Nutritional Sciences, School of Environmental and Biological Sciences/Rutgers, The State University of New Jersey, New Brunswick, New Jersey*

Patrick Stover, Ph.D., *Professor and Director, Division of Nutritional Sciences, Cornell University, Ithaca, New York*

Paul D. Thompson, M.D., *Professor of Medicine, University of Connecticut Medical School; Chief of Cardiology, Hartford Hospital, Hartford, Connecticut*



June 17, 2017

- 7:15 a.m. *Registration; Continental Breakfast*
- 8:15 a.m. Welcome and Introduction
Sharon R. Akabas, Ph.D.
- 8:30 a.m. Micronutrient Basics I: Factors That Alter Status
Katherine Tucker, Ph.D.
- 9:00 a.m. Micronutrient Basics II:
Challenges to Assessment of Status in Clinical Practice
Lindsay Allen, Ph.D., R.D.
- 9:30 a.m. Drug Interactions with Nutrients and Natural Products:
Mechanisms and Consequences
David J. Greenblatt, M.D.
- 10:00 a.m. Tour De Alimentary Tract I: Impact of Celiac Disease,
IBS and Bariatric Surgery on MN Status
Jeffrey I. Mechanick, M.D.
- 10:45 a.m. *Refreshment Break*
- 11:00 a.m. High Blood Pressure and Chronic Kidney Disease:
Issues in Micronutrient Status
Mariana Markell, M.D.
- 11:45 a.m. Panel Discussion
Sharon R. Akabas, Ph.D. - Moderator
- 12:15 p.m. *Lunch*
- 1:15 p.m. Lessons Learned from the Impact on Select Nutrients of
Concern I: Metformin and PPIs and B12
Joshua W. Miller, Ph.D.
- 1:45 p.m. Lessons Learned from Impact on Select Nutrients of
Concern II: Statins and Co Q10
Paul D. Thompson, M.D.
- 2:15 p.m. Herbal Supplements: Mechanisms of Interface with MNs
and Drugs, and Magnitude of Concern
Bill J. Gurley, Ph.D.
- 2:45 p.m. *Refreshment Break*
- 3:00 p.m. Supplements and Medical Foods Approach to Correct MN Gaps
Patrick Stover, Ph.D.
- 3:30 p.m. Best Practice: Dietary Pattern Shifts and/or MN
Supplements to Fill Gaps Created by Drugs, Chronic
Disease and Drugs
Alice H. Lichtenstein, D.Sc.
- 4:15 p.m. Panel Discussion:
Clinical Implications and Future Directions
Alice H. Lichtenstein, D.Sc. - Moderator
- 5:00 p.m. *Adjourn*

Program Description & Objectives

This program will be of interest to health professionals who seek to expand their knowledge about factors that modify micronutrient status, including drugs, chronic disease and surgery, and to apply what is learned to practice. In particular, healthcare providers who do not feel comfortable answering patient questions regarding how to rectify any micronutrient gaps will benefit from attending. Following the symposium, attendees will be able to appreciate the biologic mechanisms underlying drug micronutrient interactions, the impact of chronic disease and surgery, and the magnitude of their clinical significance. They will also be able to 1) access, interpret and utilize the most current information about factors that modify micronutrient interactions, 2) interpret and utilize current information about assessment of micronutrient status, and 3) make informed recommendations for patient/client consumption, especially to those at risk for inadequate intake.

Additional Information

Contact:

Center for Continuing Medical Education
Columbia University College of Physicians & Surgeons
630 West 168th Street, Unit 39
New York, NY 10032
Telephone: (212) 305-3334
Fax: (212) 305-5740

e-mail: cme@columbia.edu
www.columbiacme.org

Meeting Location

Hammer Health Sciences Building
701 West 168th Street, Room 401
Columbia University Medical Center
New York, NY 10032

Parking is available at the Columbia University Medical Center parking lot, located on the southwest corner of Fort Washington Avenue and West 165th Street.

Hotel Accommodations

A block of rooms has been reserved at the Edge Hotel, at the special rate of \$179 per night, plus state & local taxes. These special room rates are available to the course attendees from June 16 - 18, 2017. Other rates and conditions may apply. Additional information can be obtained by calling the Edge directly. Reservations must be made directly with the Edge. To receive this room rate remember to mention that you are a registrant of the Micronutrient course group #DMI616. Rooms will be held until May 1, 2017 or until the room block has been exhausted, whichever comes first. Reservations received after the cut-off date are subject to availability and prevailing rates.

The Edge

514 West 168th Street
New York, New York 10032

(877) 973-4666

(212) 543-0005

Cut-Off: May 1, 2017

Accreditation Statement

The College of Physicians and Surgeons of Columbia University is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

AMA Credit Designation Statement

The College of Physicians and Surgeons designates this live activity for a maximum of 7.0 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Acknowledgment

This course is supported by an independent educational grant from: Pharmavite, LLC

Tuition

Tuition: \$50; Students*: \$25. The tuition fee includes the plenary presentations, continental breakfast, lunch, refreshments and an electronic syllabus. Confirmation of registration will be sent upon receipt of the registration form. Refund of registration fee, less a \$15 administrative charge, will be made if written notice of cancellation is received by **June 7, 2017**. No refunds can be made thereafter.

*(with a valid ID)

Registration

Space is Limited. Early Registration is Encouraged.

By Mail:

Complete the registration form and mail with full payment to:
**Columbia University
College of Physicians & Surgeons
Center for Continuing Medical Education
630 West 168th Street, Unit 39
New York, NY 10032**

On-Line:

<http://columbiacme.org>

**Telephone registrations and/or
cancellations are not accepted.**

Americans with Disabilities Act

The Columbia University College of Physicians and Surgeons fully complies with the legal requirements of the ADA and the rules and regulations thereof. Any participant with special needs must submit a written request to our office at least one month prior to the course date.

Registration Form

COLUMBIA UNIVERSITY

Micronutrients

(Please print or type)

Last Name Degree

First Name Middle Initial

Address

City State Zip

Daytime Phone Daytime Fax

e-mail

Please note: Your e-mail address is used for critical information about the course including: registration confirmation, course evaluation and certificate. Please be sure to include an e-mail address you check daily or frequently.

Institution

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June 17, 2017
UR002112/7.0

- ☐ \$50 Tuition
- ☐ \$25 Students (with a valid ID)

☐ Enclosed is a check or money order made payable to
Columbia University
Checks must be in U.S. Dollars drawn on a U.S. bank.
Money Orders must be in U.S. Dollars.

For security purposes, credit card payments cannot be accepted by mail or fax. Please visit www.columbiacme.org to register and pay by credit card. American Express, Discover, MasterCard and Visa only.



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presented by

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