



BONE FRACTURE

in Chronic Kidney Disease:

Clinical Issues and Expert Perspectives

Free webcast CME/CE Activity

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METHOD of PARTICIPATION

This webcast can be accessed online at www.kidney.org/CME. Participants are able to view a self-directed slide presentation with accompanying audio. At the conclusion of this activity, participants will complete an evaluation and post-test to receive a certificate of completion. The estimated time for completion is 2.0 hours.

OVERVIEW

Patients with chronic kidney disease (CKD) have significant abnormalities of bone remodeling and mineral homeostasis and are at increased risk of fracture. This activity will provide a background on the pathophysiology of bone disease in CKD and after kidney transplantation, along with a discussion on the utility of various imaging modalities in predicting fractures across the spectrum of kidney disease. This activity will explore the therapeutic possibilities for prevention and treatment of fractures in patients with CKD and following transplantation, and look to the future for other possible interventions.

LEARNING OBJECTIVES

After completing this educational activity, participants should be able to:

- Contrast the pathophysiology of fractures in patients with CKD to those with age-related or postmenopausal osteoporosis
- Discuss appropriate diagnosis of bone disease in patients with CKD
- Describe the current management of bone fractures in CKD
- Analyze the fracture risk post kidney transplantation and discuss appropriate treatment intervention

PRESENTATIONS

Importance of Bone Health in CKD

Hartmut H. Malluche, MD, FACP (Chair)
University of Kentucky Chandler Medical Center
Lexington, Kentucky

Epidemiology, Prevention and Treatment in CKD

Paul D. Miller, MD
University of Colorado Health Sciences Center
Lakewood, Colorado

Bone Disease and Fracture Prevention in Kidney Transplant Patients

Margaret Bia, MD
Yale University School of Medicine
New Haven, Connecticut

AUDIENCE

Physicians / Physician Assistants / Nurses / Nurse Practitioners / Dietitians
Dialysis Technicians / Pharmacists

ACCREDITATION

Physician: The National Kidney Foundation is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The National Kidney Foundation designates this educational activity for a maximum of 2.0 *AMA PRA Category 1 Credits*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

This activity has been reviewed and is acceptable for up to 1.75 Prescribed credits by the American Academy of Family Physicians. AAFP accreditation begins 7/1/09. Term of approval is for two years from this date, with option for yearly renewal.

The AAFP invites comments on any activity that has been approved for AAFP CME credit. Please forward your comments on the quality of this activity to cmecomment@aafp.org

Physician Assistant: AAPA accepts certificates of participation for educational activities certified for Category I credit from AOACCME, Prescribed credit from AAFP and *AMA PRA Category 1 Credit™* from organizations accredited by ACCME or a recognized state medical society. Physician assistants may receive a maximum of 2.0 hours of Category I credit for completing this program.

Nurse and Technician: The National Kidney Foundation is an approved provider of continuing nursing education by the New York State Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

It has been assigned code 7QPLGU-PRV-09.

2.0 contact hours will be awarded.

Nurse Practitioner: This program is approved for 1.75 contact hours of continuing education by the American Academy of Nurse Practitioners. Program ID 0905177.

This program was planned in accordance with AANP CE Standards and Policies and AANP Commercial Support Standards.



Dietitian: The National Kidney Foundation is a Continuing Professional Education (CPE) Accredited Provider with the Commission on Dietetic Registration (CDR). Registered dietitians (RDs) and dietetic technicians, registered (DTRs) will receive 2.0 continuing professional education units (CPEUs) for completion of this program/material.



Pharmacist: The University of Illinois at Chicago, College of Pharmacy, is accredited by the Accreditation Council for Pharmacy Education (ACPE) as a provider of continuing pharmacy education. The ACPE universal activity number assigned to this educational offering is 016-999-09-027-H01-P.

This activity is accredited by the University of Illinois at Chicago, College of Pharmacy for 0.2 CEUs (2.0 contact hours).

This activity is knowledge-based.

Declaration of Disclosure: It is the policy of the National Kidney Foundation (NKF) to ensure balance, independence, objectivity and scientific rigor in all CME/CE activities. Any individual who has control over CME content is required to disclose to learners prior to the activity any relevant financial relationship(s) they may have with commercial interests supporting this activity or whose products or devices are discussed in this activity. If, on the basis of information disclosed, a perceived conflict exists, resolution will be achieved based on NKF's Disclosure and Conflict of Interest policy.

Unlabeled/Investigational Use: During their presentations, faculty may discuss an unlabeled use or an investigational use not approved for a commercial product. Each faculty member is required to disclose this information to the audience when referring to an unlabeled or investigational use.

Disclaimer: The faculty, National Kidney Foundation and Amgen do not recommend the use of any pharmaceutical, diagnostic test or device outside of the labeled indications as approved by the FDA. Please refer to the official prescribing information for each product for approved indications, contraindications and warnings.

REGISTRATION

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Please include your NKF ID number when you register. Your NKF ID number is located next to your name on the address label of this card. For more information, please call NKF at 800.622.9010, or visit our website at www.kidney.org



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