

Chronic Kidney Disease - Mineral and Bone Disorder

A NEW PARADIGM for bone disease, mineral imbalance and vascular calcification in CKD

New CME/CE Activity

REGISTRATION

This program is available free of charge on CD-ROM. To request the CD-ROM, simply complete and return the postage-paid reply card or complete the online form at www.kidney.org/brc/. For more information, please call the NKF at 800.622.9010, or visit our Web site at www.kidney.org/KLS

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Dennis Andress, MD, is Professor of Medicine at the University of Washington, Seattle, Washington. Dr. Andress' clinical interests are based primarily in the care of patients with chronic kidney disease and the study of mineral and bone disorders associated with CKD. His basic research interests have been on the cell

biology of the osteoblast with special reference to the insulin-like growth factor system. His contributions have appeared in numerous cross-specialty publications. He is a member of the American Society for Bone and Mineral Research, the Endocrine Society, the American Society of Nephrology and the International Society of Nephrology.



Faculty

Stuart Sprague, DO, is Professor of Medicine at Northwestern University in Chicago, Illinois, and Chief, Division of Nephrology and Hypertension at Evanston Northwestern Healthcare in Evanston, Illinois. Dr. Sprague's research in the areas of dialysis and mineral and bone disorder in CKD has been widely published in major

journals. Dr. Sprague is a work group co-chair for the KDIGO Mineral and Bone Initiative. He is a member of both the American Society for Bone and Mineral Research and the International Bone and Mineral Society and is the Director of the Metabolic Bone Disease Program and Renal Stone Disease Clinic, Evanston Northwestern Healthcare-Northwestern University, Chicago, Illinois.



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CKD-MBD

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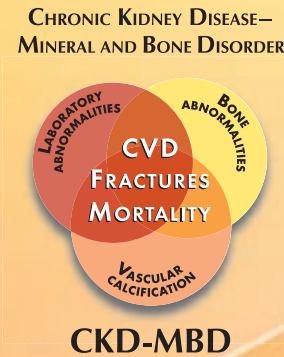
Based on the 2005 Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference: *Definition, Evaluation and Classification of Renal Osteodystrophy*

Supported by an educational grant from Abbott Laboratories



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Presentations

Chronic Kidney Disease-Mineral and Bone Disorder:
Definition, Evaluation and Relationship
to Cardiovascular Disease

Clinical Author: Stuart Sprague, DO

Evaluation and Treatment of Mineral and Bone
Disorder in CKD Stages 3 and 4

Clinical Author: Dennis L. Andress, MD

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Program

This dynamic continuing education activity is an interactive two-part case study presentation on CD-ROM. Each case study provides a brief patient history and physical findings followed by a series of questions to help participants explore current knowledge base and approaches to patient management. Each question poses several options for response, one of which will be correct, with an explanation by the authors as to the most appropriate response. At the conclusion of the case studies, participants complete a post-test based on the case studies, and a program evaluation.

Program Goal

The purpose of this program is to illustrate the clinical use of new recommendations from the 2005 Kidney Disease Improving Global Outcomes (KDIGO) Controversies Conference: *Definition, Evaluation and Classification of Renal Osteodystrophy (ROD)*; chiefly that the many systemic abnormalities that have heretofore been identified as correlates of ROD be defined more broadly as a clinical entity or syndrome to be called Chronic Kidney Disease-Mineral and Bone Disorder (CKD-MBD).

Program Learning Objectives

Upon completion of this two-part case study activity, participants will be able to:

- Define CKD-MBD and renal osteodystrophy (ROD) based on the recommendations from the 2005 KDIGO Controversies Conference: *Definition, Evaluation and Classification of Renal Osteodystrophy*.
- Identify the diagnostic tests that should be included in the initial evaluation of mineral and bone metabolism in patients with CKD.
- Describe the role of mineral and bone disorder (MBD) in the progression of cardiovascular disease.
- Discuss current approaches to the management of MBD in CKD stages 3 and 4.

Audience

This program is designed for physicians, nephrology fellows, physician assistants, nurses, dialysis technicians, nurse practitioners and dietitians.

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.

Physician Assistant: AAPA accepts Category I credit from AOACCME, Prescribed credit from AAFP and *AMA PRA Category 1 Credit(s)*™ for the PRA from organizations accredited by ACCME.

Nurse and Dialysis Technician: The National Kidney Foundation is an approved provider of continuing nursing education by the New York State Nurses Association, which is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation. This educational activity is approved for 2.2 contact hours.

Nurse Practitioner: This program has been approved for 1.9 contact hours of continuing education by the American Academy of Nurse Practitioners. Program ID 0607259.

Dietitian: This program has been approved by the Commission on Dietetic Registration for 1.5 Continuing Professional Education units.

Declaration of Disclosure

It is the policy of the National Kidney Foundation to ensure balance, independence, objectivity and scientific rigor in all CME/CE activities. Faculty participating in this activity are required to disclose to the audience any relationship they may have with the commercial supporters of this activity or with any other commercial organizations whose products or devices may be mentioned in their presentation.

Disclaimer

The faculty, National Kidney Foundation and Abbott Laboratories 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.

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.

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