A free live webinar with Dr. Michael Lewiecki
for radiologists, clinical densitometrists, rheumatologists, endocrinologists, orthopaedists, radiologic technologists, nurses, and referring physicians

5104-502
Bone Densitometry Update:
DXA Quality Matters

Wednesday, October 2, 2019
7:00 pm Eastern | 6:00 pm Central
5:00 pm Mountain | 4:00 pm Pacific

Course Overview

Osteoporosis continues to be a major public health concern in the United States. Although osteoporosis can be prevented and treated, the disease continues to be underdiagnosed and undertreated, resulting in patients not receiving the benefits of therapy or life style changes in the early phase of the disease when intervention is most effective.[1, 2] Estimates show that for US women age 55 and older, the hospitalization burden of osteoporosis and related medical costs is greater than of myocardial infarction, stroke, or breast cancer.[2]

The Expert Panel on Musculoskeletal Imaging of the American College of Radiology reports that 50% of women and 20% of men 50 years or older will experience a bone fracture, with a 20% mortality rate within the first year. This Expert Panel also writes that the projected direct cost of hip fracture is $67.7 billion by 2020.[3]

Measuring bone mineral density (BMD) benefits both the patient and society given the potential of BMD measurement for reducing mortality and morbidity, as well as the personal and financial costs, of osteoporosis-associated fractures when they are detected and treated early. Bone densitometry is the only technology currently available that accurately measures bone mass or predicts fracture risk.[3]

Dr. Lewiecki’s lecture and case studies will include: the current state and impact of osteoporosis and fracture on public health; the use of DXA and other technologies for identifying osteoporosis; the clinical relevance of bone densitometry in treatment decisions, and recent updates to the International Society for Clinical Densitometry official positions as applied to clinical practice.


Educational Objectives
At the conclusion of this activity, participants should be better able to:

- Explain the public health importance of osteoporosis
- Compare dual-energy X-ray absorptiometry (DXA) with other technologies for assessing musculoskeletal health
- Demonstrate the importance of precision assessment for serial bone density tests
- Describe the clinical applications of DXA
- Review common pitfalls in DXA interpretation

Faculty

E. Michael Lewiecki, MD, FACP, FACE, CCD
Director, New Mexico Clinical Research & Osteoporosis Center
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Dr. Lewiecki is Director of New Mexico Clinical Research & Osteoporosis Center and Clinical Assistant Professor of Medicine at University of New Mexico Health Sciences Center. He is a consultant in osteoporosis and metabolic bone disease, supervisor of bone densitometry at his center, and an educator with a special interest in the management of osteoporosis and metabolic bone disease. He is principal investigator for the center’s osteoporosis clinical trials and author of numerous scientific publications on osteoporosis and bone densitometry.

He is founder and Director of Bone Health TeleECHO (Extension for Community Healthcare Outcomes), an ongoing videoconferencing program for healthcare professionals focusing on osteoporosis and metabolic bone diseases. This was developed through collaboration of the ECHO Institute at the University of New Mexico Health Sciences Center and the Osteoporosis Foundation of New Mexico. It is proof-of-concept for a strategy to expand global capacity to deliver best practice skeletal health care.

Dr. Lewiecki is vice president of the National Osteoporosis Foundation and past-president of the International Society for Clinical Densitometry. He is founding president of the Osteoporosis Foundation of New Mexico and program director of its flagship activity, the annual Santa Fe Bone Symposium.

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