

CME Session 11

Bone & Joint Committee

Friday, October 22, 15:05-16:35

Session Title

New Concepts for Imaging and Therapy of Bone Metastases

Chairperson

Holger Palmedo (Bonn, Germany)

Programme

15:05 - 15:34 Helle Zacho (Aalborg, Denmark): Nuclear Imaging of Bone Metastases

15:34 - 16:03 Ali Afshar-Oromieh (Bern, Switzerland): Radionuclide Therapy of Bone Metastases

16:03 - 16:32 Piet Dirix (Antwerp, Belgium): Radiation Therapy of Bone Metastases

16:32 - 16:35 Session Summary by Chairperson

Educational Objectives

1. Learn the indications and results of nuclear imaging in diagnosing bone metastases
2. Learn the indications and treatment options by radionuclide therapy in patients with bone metastases
3. Learn the effect and limitation of radiation therapy in patients with bone metastases.

Summary

Participants will learn about the indications of nuclear imaging like bone SPECT/CT, bone PET/CT, FDG-PET/CT and the patient groups that will have benefit by these modalities. A summary of the recent studies and case reports will be demonstrated to enhance the learning effects.

Radionuclide therapy of bone metastases will be introduced and extensively explained to develop an understanding for the potential effects but also for the limitations of the treatment. Cases will be presented to show in which stage of disease radionuclide therapy should be applied.

The potential of radiation therapy will be presented in detail to the participants to learn in depth in which patient group and in which stage of disease it should be recommended. New treatment strategies in patients with oligometastatic disease, aiming for a better patient outcome, will be discussed.

Key Words

Bone metastases, bone scan, SPECT/CT, PET/CT, radionuclide therapy, radiation therapy, oligometastatic