

ORAL PRESENTATION

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Spots and dots in the bones

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Cancer imaging is frequently at the cutting edge of new imaging techniques which are often rapidly incorporated into routine use.

Skeletal metastatic disease is a frequent complication of neoplastic conditions, and results in specific challenges to the general radiologist and specialist oncological radiologist alike.

Non-neoplastic conditions and normal variants may simulate skeletal metastases, and the radiologist must recognise such cases and avoid over-investigation and unnecessary treatment.

This lecture will briefly review standard imaging techniques and demonstrate normal appearances, normal variants and non-neoplastic lesions that mimic primary and secondary skeletal malignancy, and will then review a spectrum of malignancy-associated bone lesions with the use of standard and more specialised imaging techniques, including PET MRI, PET CT and diffusion weighted imaging..

Expected post treatment imaging findings, and treatment-associated complications will also be discussed.

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