Skeletal scintigraphy for a patient with a hip fracture

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An 85 year old female patient with known locally advanced adenocarcinoma of the lung of mucinous sub-type sustains a traumatic proximal femoral fracture following a low energy fall and undergoes hip hemiarthroplasty. Her past medical history included a previous left deep vein thrombosis and hypertension. She is further investigated with an isotope study for metastatic disease 24 hours after surgery (Figs. 1, 2 and 3).

Fig. 1 Technetium-99 m hydroxymethylene diphosphonate (HMDP) 2 h whole body scintigraphy

The diagnosis can be found at <https://doi.org/10.1007/s00256-020-03690-8>.

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Fig. 2 **a** Pelvic radiograph; **b** right hip radiograph

Fig. 3 Axial CT scan with bone [C:500 W:2500] and soft tissue [C:70 W:500] windowing of the **(a, b)** proximal and **(c, d)** distal lower limb

Compliance with ethical standards

Conflict of interest The authors declare that they have no conflict of interest.

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