56-year-old female with a reported history of Paget's disease, osteoporosis on bisphosphonate therapy, presenting with bilateral hip pain.

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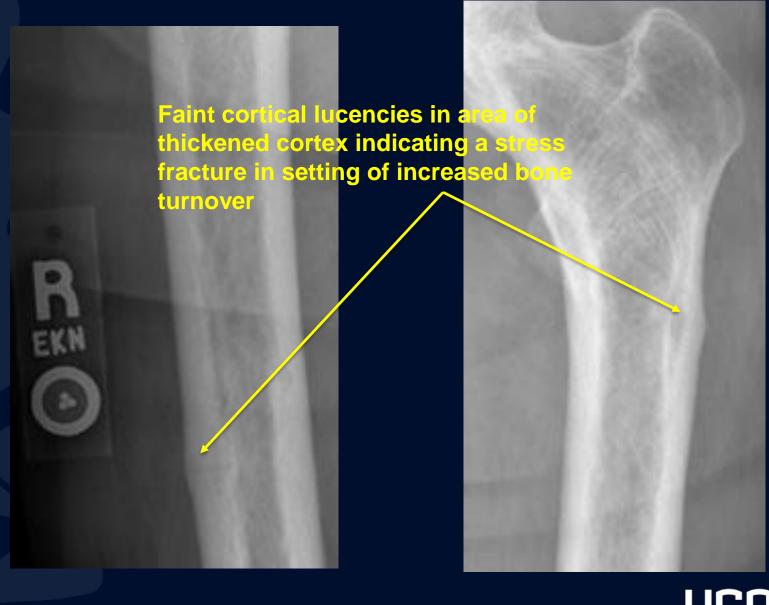




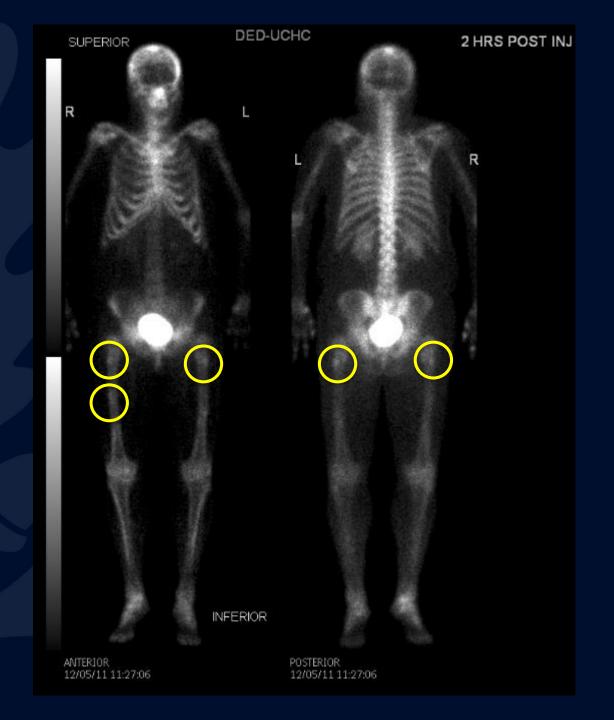


Bisphosphonate therapyrelated proximal femoral fractures











Bisphosphonate therapy-related proximal femoral fractures

- Type of insufficiency fracture
- Likely related to inhibited bone turnover secondary to osteoclast activity
- Proximal third of femur, typically subtrochanteric
- Uni- or bilateral
- Lateral focal cortical hypertrophy precedes fracture
- Horizontal > obliquely-oriented fracture
- Prophylactic rod fixation may be considered
- Other bisphos complications include osteonecrosis of long bone or jaw (rare)





Follow-up....

This patient underwent prophylactic fixation with an intramedullary rod. There is a fracture along the lateral margin of the subtrochanteric region, presumably related to the surgical procedure.





Faint foci of uptake in the lateral subtrochanteric regions of both proximal femora and of the mid shaft of the right femur are grossly unchanged 6 years apart.

Follow-up....



References

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