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## Fracture neck of femur patients: Barriers to treatment of osteoporosis in the very elderly

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**Statement of the Problem:** The risk of refracture after a fracture is very high with the fracture risk approximately doubled. Patients who sustain a hip fracture should be considered for bone health treatment at an early stage and ideally treated pre-discharge. Waiting times for those patients not treated on the ward can be up to four months due to clinic appointments, difficulty obtaining blood tests and other factors, therefore, putting these patients at high risk of fracture and lower survival.

The purpose of our audit was to look at barriers in the orthogeriatric rehabilitation ward to treatment before discharge.

**Methods:** Data were analyzed from 128 patient records of patients admitted to the Elm Orthogeriatric unit in Trafford Hospital, Manchester after a fractured neck of femur operation and reasons for nontreatment.

**Findings:** Less than 50% of patients received osteoporosis treatment before discharge despite data showing that the majority of patients had already had a bone health treatment discussion. This included reasons such as awaiting bloods, lack of vitamin D loading, awaiting family discussion in patients with no capacity and dental review.

**Conclusion:** Certain reasons such as lack of vitamin D loading and blood investigations not being sent are easily correctable with a proforma and pathway in the absence of a fracture liaison service other factors such as dental review due to poor oral status will need further discussion and perhaps in-house investment.

### Recent publications

1. NOGG. National Osteoporosis Guideline Group UK. Clinical Guidelines for the prevention and treatment of osteoporosis 2021
2. Treatment of Osteoporosis after hip fracture is associated with lower all-cause mortality: A nationwide population study. Chih-Hsing Wu et al.
3. Management of osteoporosis in patients with hip fractures. A Rodgers et al. QJM: An International Journal of Medicine, Volume 93, Issue 8, August 2000, Pages 501–506

### Biography

Chillala has been involved in older people's research over several years with a lot of work involving falls, rehabilitation post-stroke and diabetes. Her current interest is orthogeriatric and bone health at Trafford Hospital.

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